

# **SEVENTH FRAMEWORK PROGRAMME**

**THEME [KBBE.2010.4-01]**

**[Strengthening the implementation of durable integration  
in FP6 Networks of Excellence - Call: FP7-KBBE-2010-4]**

Grant agreement for: Coordination and support action \*

<b>Annex I - "Description of Work"</b>
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Project acronym: EuroFIR-Nexus

Project full title: " The EuroFIR Food Platform: Further integration, refinement and exploitation for its long-term self-sustainability "

Grant agreement no: 265967

Date of preparation of Annex I (latest version): 2011-01-31

Date of last change: 2011-01-14

Date of approval of Annex I by Commission:

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# A1: Project summary

Project Number <sup>1</sup>	265967	Project Acronym <sup>2</sup>	EuroFIR-Nexus
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## One form per project

### General information

Project title <sup>3</sup>	The EuroFIR Food Platform: Further integration, refinement and exploitation for its long-term self-sustainability		
Starting date <sup>4</sup>	Start date to be notified; must lie within 2 months of grant agreement signature		
Duration in months <sup>5</sup>	24		
Call (part) identifier <sup>6</sup>	FP7-KBBE-2010-4		
Activity code(s) most relevant to your topic <sup>7</sup>	KBBE.2010.4-01: Strengthening the implementation of durable integration in FP6 Networks of Excellence - Call: FP7-KBBE-2010-4		
Free keywords <sup>8</sup>	Food composition databases, nutrients, bioactives, nutrition & health research, intakes, NoE, integration, sustainability, training, industry		

### Abstract <sup>9</sup>

The objective is to further integrate/refine the EuroFIR Food Platform (EFP), to improve/support the ways research is undertaken into relationships between food, diets and health in Europe. Our focus is on extending application and exploitation of validated food data and tools for pan-European nutrition studies and networked usage, implementation of standards and best practice. This together forms the basis of long-term sustainability through the newly established legal entity EuroFIR AISBL). Six Work Packages are included: Quality standards & certification; Systems integration & operational support; Integration & business development; Training; Dissemination & Management. The revised consortium has 35 existing EuroFIR partners (18 as 3rd parties/EuroFIR AISBL members). The already achieved high-level institutional commitment will be further strengthened. The new General Assembly consists of executive representatives of all beneficiaries (who are also AISBL Members), thus real and durable integration is achievable. The Executive Board will work closely with EuroFIR AISBL to provide an integrated approach to joint activities and stakeholder engagements. A high-level External Advisory Board of key users/stakeholders from Europe and internationally will ensure that food data, other products and services are fine-tuned to stakeholders needs, keeping Europe at the forefront of leadership and innovation in this area. Outputs are consistent with the ETP 'Food for Life' and will further support Theme 2 (FP7) in food and nutrition research contributing to the structuring of the European Research Area and world-class scientific/technological excellence. Additionally, the outputs bring the EFP in alignment with the current European CEN Standard on Food Data and its application.

# A2: List of Beneficiaries

Project Number <sup>1</sup>	265967	Project Acronym <sup>2</sup>	EuroFIR-Nexus
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## List of Beneficiaries

No	Name	Short name	Country	Project entry month <sup>10</sup>	Project exit month
1	INSTITUTE OF FOOD RESEARCH	IFR	United Kingdom	1	24
2	EUROPEAN FOOD INFORMATION RESSOURCE AISBL	EuroFIR AISBL	Belgium	1	24
3	FOODCON SPRL	FCN	Belgium	1	24
4	UNIVERSITY COLLEGE CORK, NATIONAL UNIVERSITY OF IRELAND, CORK	UCC	Ireland	1	24
5	WAGENINGEN UNIVERSITEIT	WU	Netherlands	1	24
6	British Nutrition Foundation	BNF	United Kingdom	1	24
7	Danish Food Information	DFI	Denmark	1	24
8	Eidgenössische Technische Hochschule Zürich	ETHZ	Switzerland	1	24
9	DANMARKS TEKNISKE UNIVERSITET	DTU	Denmark	1	24
10	LIVSMEDELS VERKET	NFA	Sweden	1	24
11	INSTITUT ZA MEDICINSKA ISTRA IVANJA	IMR	Serbia	1	24
12	SVERIGES LANTBRUKSUNIVERSITET	SLU	Sweden	1	24
13	VYSKUMNY USTAV POTRAVINARSKY	FRI-SK	Slovakia	1	24
14	AGENCE NATIONALE DE SECURITE SANITAIRE DE L'ALIMENTATION, DE L'ENVIRONNEMENT ET DU TRAVAIL	ANSES	France	1	24
15	INSTITUTO NACIONAL DE SAUDE DR. RICARDO JORGE	INSA	Portugal	1	24
16	TERVEYDEN JA HYVINVOINNIN LAITOS	THL	Finland	1	24
17	ISTITUTO NAZIONALE DI RICERCA PER GLI ALIMENTI E LA NUTRIZIONE	INRAN	Italy	1	24
18	CENTRE INTERNATIONAL DE RECHERCHE SUR LE CANCER	IARC	France	1	24
19	Topshare International B.V.	Topshare	Netherlands	1	24

# A3: Budget Breakdown

Project Number <sup>1</sup>	265967	Project Acronym <sup>2</sup>	EuroFIR-Nexus
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One Form per Project

Participant number in this project <sup>11</sup>	Participant short name	Fund. % <sup>12</sup>	Ind. costs <sup>13</sup>	Estimated eligible costs (whole duration of the project)				Total receipts	Requested EU contribution
				Coordination / Support (A)	Management (B)	Other (C)	Total A+B+C		
1	IFR	75.0	A	183,114.00	67,538.00	95,848.00	346,500.00	0.00	326,426.00
2	EuroFIR AISBL	75.0	T	35,633.73	9,563.66	202,735.33	247,932.72	0.00	229,628.00
3	FCN	50.0	F	0.00	0.00	46,452.00	46,452.00	0.00	39,348.00
4	UCC	75.0	T	0.00	0.00	40,200.00	40,200.00	0.00	31,364.00
5	WU	75.0	A	43,187.00	0.00	0.00	43,187.00	0.00	37,789.00
6	BNF	75.0	T	53,700.00	0.00	0.00	53,700.00	0.00	47,882.00
7	DFI	75.0	F	10,110.00	0.00	70,771.20	80,881.20	0.00	68,512.00
8	ETHZ	75.0	T	0.00	0.00	114,468.00	114,468.00	0.00	89,309.00
9	DTU	75.0	T	0.00	0.00	5,442.00	5,442.00	0.00	4,245.00
10	NFA	75.0	A	0.00	0.00	18,700.00	18,700.00	0.00	17,508.00
11	IMR	75.0	T	13,920.00	0.00	7,200.00	21,120.00	0.00	16,865.00
12	SLU	75.0	T	19,238.40	0.00	0.00	19,238.40	0.00	15,010.00
13	FRI-SK	75.0	T	2,400.00	0.00	2,400.00	4,800.00	0.00	3,878.00
14	ANSES	75.0	T	0.00	0.00	5,970.00	5,970.00	0.00	4,659.00
15	INSA	75.0	F	0.00	0.00	31,825.20	31,825.20	0.00	24,830.00
16	THL	75.0	A	0.00	0.00	7,835.00	7,835.00	0.00	7,335.00
17	INRAN	75.0	T	0.00	0.00	1,500.00	1,500.00	0.00	1,170.00
18	IARC	75.0	T	0.00	0.00	14,400.00	14,400.00	0.00	12,840.00
19	Topshare	75.0	F	24,000.00	0.00	0.00	24,000.00	0.00	21,400.00
<b>Total</b>				<b>385,303.13</b>	<b>77,101.66</b>	<b>665,746.73</b>	<b>1,128,151.52</b>	<b>0.00</b>	<b>999,998.00</b>

Note that the budget mentioned in this table is the total budget requested by the Beneficiary and associated Third Parties.

**\* The following funding schemes are distinguished**

Collaborative Project (if a distinction is made in the call please state which type of Collaborative project is referred to: (i) Small of medium-scale focused research project, (ii) Large-scale integrating project, (iii) Project targeted to special groups such as SMEs and other smaller actors), Network of Excellence, Coordination Action, Support Action.

**1. Project number**

The project number has been assigned by the Commission as the unique identifier for your project, and it cannot be changed. The project number **should appear on each page of the grant agreement preparation documents** to prevent errors during its handling.

**2. Project acronym**

Use the project acronym as indicated in the submitted proposal. It cannot be changed, unless agreed during the negotiations. The same acronym **should appear on each page of the grant agreement preparation documents** to prevent errors during its handling.

**3. Project title**

Use the title (preferably no longer than 200 characters) as indicated in the submitted proposal. Minor corrections are possible if agreed during the preparation of the grant agreement.

**4. Starting date**

Unless a specific (fixed) starting date is duly justified and agreed upon during the preparation of the Grant Agreement, the project will start on the first day of the month following the entry into force of the Grant Agreement (NB : entry into force = signature by the Commission). Please note that if a fixed starting date is used, you will be required to provide a detailed justification on a separate note.

**5. Duration**

Insert the duration of the project in full months.

**6. Call (part) identifier**

The Call (part) identifier is the reference number given in the call or part of the call you were addressing, as indicated in the publication of the call in the Official Journal of the European Union. You have to use the identifier given by the Commission in the letter inviting to prepare the grant agreement.

**7. Activity code**

Select the activity code from the drop-down menu.

**8. Free keywords**

Use the free keywords from your original proposal; changes and additions are possible.

**9. Abstract**

**10. The month at which the participant joined the consortium, month 1 marking the start date of the project, and all other start dates being relative to this start date.**

**11. The number allocated by the Consortium to the participant for this project.**

**12. Include the funding % for RTD/Innovation – either 50% or 75%**

**13. Indirect cost model**

**A: Actual Costs**

**S: Actual Costs Simplified Method**

**T: Transitional Flat rate**

**F :Flat Rate**

# Workplan Tables

Project number

265967

Project title

EuroFIR-Nexus—The EuroFIR Food Platform: Further integration, refinement and exploitation for its long-term self-sustainability

Call (part) identifier

FP7-KBBE-2010-4

Funding scheme

Coordination and support action





# WT1

## List of work packages

Project Number <sup>1</sup>	265967	Project Acronym <sup>2</sup>	EuroFIR-Nexus
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### LIST OF WORK PACKAGES (WP)

WP Number <sup>53</sup>	WP Title	Type of activity <sup>54</sup>	Lead beneficiary number <sup>55</sup>	Person-months <sup>56</sup>	Start month <sup>57</sup>	End month <sup>58</sup>
WP 1	Quality standards, certification and thesauri support	OTHER	15	27.25	1	24
WP 2	Systems integration and operation support	OTHER	8	28.60	1	24
WP 3	Integration and business development	OTHER	2	34.00	1	24
WP 4	Training and spreading of excellence	COORD	5	17.75	1	24
WP 5	Dissemination and communication	COORD	6	19.00	1	24
WP 6	Management	OTHER	1	15.00	1	24
				Total	141.60	

# WT2: List of Deliverables

Project Number <sup>1</sup>	265967	Project Acronym <sup>2</sup>	EuroFIR-Nexus
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## List of Deliverables - to be submitted for review to EC

Deliverable Number <sup>61</sup>	Deliverable Title	WP number <sup>53</sup>	Lead beneficiary number	Estimated indicative person-months	Nature <sup>62</sup>	Dissemination level <sup>63</sup>	Delivery date <sup>64</sup>
D1.1	Report on preparation & promotion of draft CEN Food Data Standard	1	10	0.75	R	PU	6
D1.2	Updated report on preparation & promotion of draft CEN Food Data Standard	1	10	0.75	R	PU	21
D1.3	Final approved CEN Food Data Standard	1	10	1.00	R	PU	23
D1.4	Report on the guidelines for assessment of methods for analysis	1	15	2.00	R	PU	15
D1.5	Report on framework for certification scheme	1	1	1.65	R	RE	4
D1.6	Report on 1st year certification scheme	1	1	3.25	R	RE	15
D1.7	Final list of certified FCDB compiler organizations and future plans	1	1	3.25	R	PU	23
D1.8	Report on integrated data quality evaluation system	1	8	6.50	R	PU	18
D1.9	Draft MoU's prepared for stakeholders	1	15	0.30	O	RE	3
D1.10	MoU for IMEKO/ISPO, GS1 and LTC	1	15	0.50	O	RE	9

# WT2: List of Deliverables

Deliverable Number <sup>61</sup>	Deliverable Title	WP number <sup>53</sup>	Lead beneficiary number	Estimated indicative person-months	Nature <sup>62</sup>	Dissemination level <sup>63</sup>	Delivery date <sup>64</sup>
D1.11	1st Update of EuroFIR Thesaurus	1	2	1.00	O	PU	11
D1.12	2nd Update of EuroFIR Thesaurus	1	2	1.30	O	PU	23
D1.13	1st Update of LanguaL Thesaurus	1	7	1.00	O	PU	5
D1.14	2nd Update of LanguaL Thesaurus	1	7	1.00	O	PU	17
D1.15	1st Report on Repository procedures and production	1	2	1.50	R	PU	11
D1.16	2nd Report on Repository procedures and production	1	2	1.50	R	PU	23
D2.1	1st Report on updated web services	2	8	3.00	R	PU	11
D2.2	2nd Report on updated web services and future requirements	2	8	5.20	R	PU	23
D2.3	1st Report on maintenance and operational support of tools and repositories	2	8	8.90	R	RE	9
D2.4	2nd Report on maintenance and operational support of tools and repositories	2	8	8.00	R	RE	21
D2.5	Report on conceptual specification interface between EPIC-Soft and EuroFIR eSearch	2	18	1.20	R	RE	15

# WT2: List of Deliverables

Deliverable Number <sup>61</sup>	Deliverable Title	WP number <sup>53</sup>	Lead beneficiary number	Estimated indicative person-months	Nature <sup>62</sup>	Dissemination level <sup>63</sup>	Delivery date <sup>64</sup>
D2.6	Manuscript on the EMP-EuroFIR web interface.	2	18	2.30	R	PU	24
D3.1	Report on integration, capacity building and stakeholder engagements	3	1	1.00	R	RE	12
D3.2	Final report on institutional commitment for long-term durability	3	1	2.00	R	RE	23
D3.3	Report on identification and delineation of SAUs	3	3	2.50	R	RE	6
D3.4	Updated business plan for both non-income and income generating SAUs	3	3	3.00	R	RE	11
D3.5	Final business plan for both non-income and income generating SAUs	3	3	2.50	R	RE	22
D3.6	Report on final product range promotion booklet for several media channels	3	3	4.00	R	PU	9
D3.7	1st report on monitoring user's feedback and recommendations on product range for improvements and e	3	2	5.00	R	RE	13
D3.8	2nd report on monitoring user's feedback and final recommendations for improvement	3	2	4.00	R	RE	18

# WT2: List of Deliverables

Deliverable Number <sup>61</sup>	Deliverable Title	WP number <sup>53</sup>	Lead beneficiary number	Estimated indicative person-months	Nature <sup>62</sup>	Dissemination level <sup>63</sup>	Delivery date <sup>64</sup>
D3.9	Report summarising the outcomes of the pilot for eBASIS implementation and exploitation.	3	4	4.00	R	RE	10
D3.10	Final Report summarising the detailed interactions and main recommendations for eBASIS exploitation	3	4	6.00	R	RE	20
D4.1	1st update on specialist workshops, training courses and individual exchanges	4	5	3.25	R	PU	11
D4.2	1st update on development and implementation of the e-Learning courses	4	5	4.00	R	RE	10
D4.3	Final report of specialist workshops, training courses and individual exchanges	4	5	3.25	R	PU	23
D4.4	1st update on new MoUs with WBC/EECA	4	11	2.00	R	RE	9
D4.5	Final report on development and implementation of the e-Learning courses with recommendations	4	5	3.25	R	PU	23
D4.6	Final report on Balkan Food Platform, recommendations for future integration, WBC/EECA countries	4	11	2.00	R	PU	24
D5.1	Dissemination master plan	5	6	0.35	R	RE	4

# WT2: List of Deliverables

Deliverable Number <sup>61</sup>	Deliverable Title	WP number <sup>53</sup>	Lead beneficiary number	Estimated indicative person-months	Nature <sup>62</sup>	Dissemination level <sup>63</sup>	Delivery date <sup>64</sup>
D5.2	1st Newsletter	5	2	1.00	O	PU	5
D5.3	2nd Newsletter	5	2	1.00	O	PU	11
D5.4	3rd Newsletter	5	2	1.00	O	PU	17
D5.5	4th Newsletter	5	2	1.25	O	PU	24
D5.6	Report on dissemination and communication activities for year 1 with updated master plan	5	6	2.00	R	RE	11
D5.7	Report on dissemination and communication activities for year 2	5	6	2.00	R	RE	23
D5.8	Programme and speakers agreed for 1st ethnic minorities' drafted	5	2	1.25	R	PU	6
D5.9	Report 1st workshop to identify priorities for improving diet-related health inequalities	5	2	2.00	R	PU	11
D5.10	Programme and speakers agreed for 2nd ethnic minorities' workshop	5	2	1.25	R	PU	15
D5.11	Report on 2nd workshop to improve health of migrant/ethnic populations	5	2	2.00	R	PU	23
D5.12	Programme and speakers agreed for 9th IFDC	5	1	1.50	R	PU	5
D5.13	Report on updates to intranet pages	5	2	0.70	R	RE	9

# WT2: List of Deliverables

Deliverable Number <sup>61</sup>	Deliverable Title	WP number <sup>53</sup>	Lead beneficiary number	Estimated indicative person-months	Nature <sup>62</sup>	Dissemination level <sup>63</sup>	Delivery date <sup>64</sup>
D5.14	Final report updates to intranet pages	5	2	0.70	R	RE	18
D5.15	Standard communication material to be provided to the European Commission	5	2	1.00	R	PU	5
D6.1	Signed Consortium Agreement	6	1	1.00	O	RE	1
D6.2	Report on kick-off meeting	6	1	1.50	R	RE	3
D6.3	Report on 1st Annual Meeting	6	1	4.75	R	PU	13
D6.4	Report on 2nd Annual Meeting	6	1	5.25	R	PU	24
D6.5	1st updated IPR Report	6	1	0.75	R	RE	7
D6.6	2nd updated IPR Report	6	1	0.75	R	RE	13
D6.7	Final IPR report with recommendations for long-term sustainability	6	1	1.00	R	RE	23
<b>Total</b>				<b>141.60</b>			

# WT3: Work package description

Project Number <sup>1</sup>	265967	Project Acronym <sup>2</sup>	EuroFIR-Nexus
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## One form per Work Package

Work package number <sup>53</sup>	WP1	Type of activity <sup>54</sup>	OTHER
Work package title	Quality standards, certification and thesauri support		
Start month	1		
End month	24		
Lead beneficiary number <sup>55</sup>	15		

## Objectives

To ensure a sound and coherent quality and technical approach for food data collection, storage, handling, sharing and publication and increasing the visibility and implementation of the CEN Standard on food data and its application.

## Description of work and role of partners

This WP is led by INSA and supported by 3 Task Leaders (NFA, IFR and ETHZ). Five main tasks are planned:

Task 1.1 (NFA): CEN Food Data Standard and its implementation

NFA chairs the CEN/TC Technical Committee and will (a) support and contribute to the finalisation of CEN Food Data Standard and its national implementation by national FCDB compiler organisations in Europe; and (b) promote the visibility, implementation and understanding of the standard with key stakeholders (e.g. industry) and other international organizations (e.g. FAO INFOODS & IMEKO). INSA, IFR, ANSES, ETHZ & DFI will also contribute to this Task.

Task 1.2 (INSA): Quality management systems for national FCDB compiler organisations

Task 1.2.1 (INSA): Guidelines for assessment of methods of analysis (GAMA)

The GAMA will be reviewed by FCDB compiler organizations and feedback provided to INSA in order to improve the use of GAMA as supporting documents for the data quality evaluation system (Task 1.3 below). The review of the document will be carried out by method curators having experience in analytical and compilation procedures and these will be identified from the EuroFIR Members. Initial curators will be INSA, IFR and EuroFIR AISBL [UHEL]. The chapters and the contents will be modified to improve the handling by compilers when assessing the description of analytical method in a scientific paper, or a report to attribute quality index. The maintenance of GAMA will be coordinated by INSA with support from the individual method curators and will consistently seek feedback from FCDB compilers through the compiler network (see Task 1, WP3) and potential external users.

Task 1.2.2 (IFR): Certification audits

The FCDB compiler organizations will create and maintain their own quality systems based on EuroFIR quality management framework and the CEN Standard (Task 1.1 above). The quality requirements cover management, technical and training procedures. The certification procedure for national FCDB compiler organisations will be based on the initial pilot audits carried out under EuroFIR in 2009/10. The process will be reviewed, refined and rolled-out from all FCDB compiler organisations. The aim will be the completion of 20 national FCDB compiler organisations over the lifetime of the project. This will be led by IFR with support from other trained quality auditors - NFA, INSA, FRI-SK & EuroFIR [RIVM] with other possible auditors added. Initial training and support will be provided by EuroFIR AISBL.

Task 1.3 (IFR) - Review, maintain and develop value selection and documentation procedures

This task will be led by IFR with support by ETHZ, ANSES, FRI-SK, INSA, DFI and EuroFIR AISBL [IDUFIC & ISPO]. It is divided into five sub-tasks:

Sub-Task 1.3.1: EuroFIR Thesauri {EuroFIR AISBL [IDUFIC]}

This supports the eight EuroFIR Thesauri Component, Unit, Matrix Unit, Acquisition Type, Value Type, Method Type, Method Indicator, and Reference Type thesauri) and includes the following specific activities:

- supporting the discussion of proposed amendments to the thesauri
- applying agreed changes to the thesaurus via the web-based Thesaurus Manager software



c) liaison on thesaurus issues, both within and externally to EuroFIR Nexus.

Much of the work involves maintenance of the Component and Method Indicator thesauri and must also maintain links with external systems, in particular the EBI ChEBI database and the INFOODS tagnames list.

Sub-Task 1.3.2: LanguaL Thesauri (DFI)

Maintenance of the LanguaL thesaurus is the responsibility of the European LanguaL Technical Committee. The tasks involve:

- a) Proposing amendments to LanguaL (yearly updates);
- b) General liaison on LanguaL issues, both within and externally to EuroFIR Nexus.

Sub-Task 1.3.3: Recipe yield and retention factors (EuroFIR AISBL)

The authority files of standard yield and retention factors are made available to facilitate recipe calculation on a consistent basis. Sets of factors will be editable in food data management system (FDMS) software and this will be used to maintain the standard EuroFIR factors. The tasks are:

- a) supporting the discussion of proposed amendments to the factors
- b) applying agreed changes to the factors held in data management software.

Requests for additions or changes to the EuroFIR and LanguaL thesauri and recipe yield and retention factors will be reviewed and moderated on the discussion forum, before being implemented. Integration of recipe factors will be a significant task as these must be converted to a usable format and supported by editing and management facilities.

Sub-Task 1.3.4: Data checking and transformation (DFI)

Another essential part of the data audit will be providing support to the national FCDB compiler organisations in verifying data documentation in accordance to EuroFIR standards and assisting compilers in documenting and uploading (see WP2, Task 2) their own data in the future. Appropriate training will also be provided by WP4 (DFI).

Sub-Task 1.3.5: Data and document repositories {EuroFIR AISBL [IDUFIC]}

Facilities for the collection, documentation and evaluation of data that eliminate duplication of effort by compilers will be developed, based on information collected in the Document and Data Repositories. Production procedures for these will be implemented and used to produce initial collections of key material. The Data Repository will contain food composition data files associated with documents in the Document Repository. Further development will include data content and format design for documented data and evaluated data, together with an access framework within the EuroFIR portal and tools for data production.

The following tasks are planned:

- a) ETHZ, IFR and RIVM will perform the scanning of journals and EuroFIR AISBL [IDUFIC] will liaise with EBI on the CiteXplore flagging of selected articles and related matters. This work will be extended by integrating with similar work being undertaken by INSA.
- b) EuroFIR AISBL [IDUFIC], RIVM and FRI-SK will prepare data with EuroFIR AISBL [IDUFIC] liaising with EBI on use of the input interface. The bibliographic data will be exported from CiteXplore to form a EuroFIR archive available for loading to alternative reference management systems.
- c) EuroFIR AISBL [IDUFIC] will liaise with users on documents to be added to CiteXplore and create/add bibliographic data, including abstract, of selected documents to CiteXplore; and exporting bibliographic information from CiteXplore to a EuroFIR archive.
- d) EuroFIR AISBL [IDUFIC], IFR, DFI, INSA and ETHZ will initially a pilot dataset comprising 50 data tables in a standard Excel format and develop procedures for data files in XML format.

Task 1.4 (led by ETHZ): Review, refine and implement the data quality evaluation system

This task will be undertaken by ETHZ, ANSES, INSA, IFR and EuroFIR AISBL [ISPO].

The existing data quality evaluation system for quality index attribution to original data from scientific literature or reports will be reviewed and refined in order to improve its usability. The two main types of data quality systems those applicable to a specific component, or component group (and those valid for all components developed by EuroFIR), will be refined in particularly for those categories where previous round robin studies emphasized compilers' difficulties.

Feedback from the FCDB compiler network (WP3) and external users will be sought, and training workshops developed under WP5. The aim will be to integrate the Quality Evaluation systems for scientific literature and reports (QEscrep) and other data sources (QEother) into a single quality evaluation system. In addition, the integrated system should be validated and harmonised as far as possible with other existing schemes. The feedback from testing schemes will be used to refine the guidelines and to improve the consistency of the data quality evaluation system for use by FCDB compilers and users of food data.

# WT3: Work package description

The visualisation of data quality with both national FCDB compiler organisations and users will be undertaken and feedback used to refine and improve data quality. A simple and comprehensive fact-sheet on the data quality evaluation system will be developed and tested by ETHZ for external data users with support from WP3 and WP4. The aim is to provide the user with tools that guarantee an appropriate selection and choice of the data for intended purpose especially key food and nutritional applications (e.g. nutritional labelling, and assessment of nutrient intakes).

Task 1.5 (INSA): Harmonization and compatibility with other relevant International organizations involved in quality

This task will be led by INSA with support from IFR, NFA and EuroFIR AISBL and EuroFIR AISBL [FERA]. This will focus on the promotion of traceability to basic units of SI, use of reference materials and certified reference materials, state-of-the-art and validated methods of analysis, use of laboratory proficiency schemes (e.g. FAPAS® run by FERA), and the identification of sources of uncertainty will be explored. The cooperation with international organizations involved in harmonisation, standardization and use of food composition data and classification systems will continue especially interactions with IMEKO, FAO INFOODS, EFSA and DG SANCO (see External Advisory Board and Stakeholder Platform) in order to ensure wider international harmonisation and use of the future CEN Food Data Standard (see Task 1.1 above).

## Person-Months per Participant

Participant number <sup>10</sup>	Participant short name <sup>11</sup>	Person-months per participant
1	IFR	5.00
2	EuroFIR AISBL	5.75
7	DFI	4.00
8	ETHZ	3.00
10	NFA	1.50
13	FRI-SK	1.50
14	ANSES	1.50
15	INSA	5.00
Total		27.25

## List of deliverables

Deliverable Number <sup>61</sup>	Deliverable Title	Lead beneficiary number	Estimated indicative person-months	Nature <sup>62</sup>	Dissemination level <sup>63</sup>	Delivery date <sup>64</sup>
D1.1	Report on preparation & promotion of draft CEN Food Data Standard	10	0.75	R	PU	6
D1.2	Updated report on preparation & promotion of draft CEN Food Data Standard	10	0.75	R	PU	21
D1.3	Final approved CEN Food Data Standard	10	1.00	R	PU	23
D1.4	Report on the guidelines for assessment of methods for analysis	15	2.00	R	PU	15
D1.5	Report on framework for certification scheme	1	1.65	R	RE	4

# WT3: Work package description

## List of deliverables

Deliverable Number <sup>61</sup>	Deliverable Title	Lead beneficiary number	Estimated indicative person-months	Nature <sup>62</sup>	Dissemination level <sup>63</sup>	Delivery date <sup>64</sup>
D1.6	Report on 1st year certification scheme	1	3.25	R	RE	15
D1.7	Final list of certified FCDB compiler organizations and future plans	1	3.25	R	PU	23
D1.8	Report on integrated data quality evaluation system	8	6.50	R	PU	18
D1.9	Draft MoU's prepared for stakeholders	15	0.30	O	RE	3
D1.10	MoU for IMEKO/ISPO, GS1 and LTC	15	0.50	O	RE	9
D1.11	1st Update of EuroFIR Thesaurus	2	1.00	O	PU	11
D1.12	2nd Update of EuroFIR Thesaurus	2	1.30	O	PU	23
D1.13	1st Update of LanguaL Thesaurus	7	1.00	O	PU	5
D1.14	2nd Update of LanguaL Thesaurus	7	1.00	O	PU	17
D1.15	1st Report on Repository procedures and production	2	1.50	R	PU	11
D1.16	2nd Report on Repository procedures and production	2	1.50	R	PU	23
<b>Total</b>			<b>27.25</b>			

## Description of deliverables

D1.1) Report on preparation & promotion of draft CEN Food Data Standard: Report on preparation & promotion of draft CEN Food Data Standard to key users and stakeholders in Europe and worldwide. [month 6]

D1.2) Updated report on preparation & promotion of draft CEN Food Data Standard: Updated report on preparation & promotion of draft CEN Food Data Standard to key users and stakeholders in Europe and worldwide. [month 21]

D1.3) Final approved CEN Food Data Standard: Final approved CEN Food Data Standard following CEN enquiry with national representatives. [month 23]

D1.4) Report on the guidelines for assessment of methods for analysis: Report on the guidelines for assessment of methods for analysis including user feedback and future updating. [month 15]

D1.5) Report on framework for certification scheme: Report on framework for certification scheme and planned schedule based on initial pilots completed in 2009. [month 4]

D1.6) Report on 1st year certification scheme: Report on 1st year certification scheme including progress and feedback from the national FCDB compiler organisations and recommendations for any modifications for 2nd year. [month 15]

D1.7) Final list of certified FCDB compiler organizations and future plans: Final list of certified FCDB compiler organizations and future plans for continuation of the certification scheme. [month 23]

D1.8) Report on integrated data quality evaluation system: Report on integrated data quality evaluation system and recommendations for future implementation. [month 18]

D1.9) Draft MoU's prepared for stakeholders: Draft MoU agreement prepared for use with stakeholders. [month 3]

# WT3: Work package description

D1.10) MoU for IMEKO/ISPO, GS1 and LTC: MoUs agreed with IMEKO/ISO, GS1 and LanguaL Technical Committee [month 9]

D1.11) 1st Update of EuroFIR Thesaurus: Report on 1st update of EuroFIR Thesaurus for 2011 including components and method indicators in liaison with FAO INFOODS [month 11]

D1.12) 2nd Update of EuroFIR Thesaurus: Report on 2nd update of EuroFIR Thesaurus for 2012 including components and method indicators in liaison with FAO INFOODS. [month 23]

D1.13) 1st Update of LanguaL Thesaurus: Report on 1st update of LanguaL Thesaurus for 2010 in liaison with LanguaL Technical Committee (LTC), EuroFIR AISBL and FAO INFOODS. [month 5]

D1.14) 2nd Update of LanguaL Thesaurus: Report on 2nd update of LanguaL Thesaurus for 2011 in liaison with LanguaL Technical Committee (LTC), EuroFIR AISBL and FAO INFOODS. [month 17]

D1.15) 1st Report on Repository procedures and production: Report for 2011 on Repository procedures and production, including building the collections of key material and the launch of the Repositories [month 11]

D1.16) 2nd Report on Repository procedures and production: Report for 2012 on Repository production and usage. [month 23]

## Schedule of relevant Milestones

Milestone number <sup>59</sup>	Milestone name	Lead beneficiary number	Delivery date from Annex I <sup>60</sup>	Comments
MS1	Auditors trained	2	6	
MS2	Feedback received from FCDB compiler organisation on QMS/GAMA	15	13	
MS3	1st round of audits on FCDB compiler organisations completed	1	12	
MS4	Final audits on FCDB compiler organisations completed with future plans established	1	23	
MS5	Documentation standards, thesauri and associated procedures developed	1	23	
MS6	Data Quality evaluation system fact sheet finalised	8	18	
MS7	Component thesaurus workshop at 9th IFDC	2	9	
MS8	Repository launch with 2010 journal selections, initial member documents and data files	2	4	

# WT3: Work package description

Project Number <sup>1</sup>	265967	Project Acronym <sup>2</sup>	EuroFIR-Nexus
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## One form per Work Package

Work package number <sup>53</sup>	WP2	Type of activity <sup>54</sup>	OTHER
Work package title	Systems integration and operation support		
Start month	1		
End month	24		
Lead beneficiary number <sup>55</sup>	8		

## Objectives

To refine, develop and maintain a diverse set of food information tools and repositories available on the EuroFIR Portal in order to facilitate the exchange of standardised food information including food composition data across Europe and the World, which will empower the entire community of food information users to improve the quality and thus also the meaningfulness of their specific products and services.

## Description of work and role of partners

This WP is responsible for the technical aspects of the food information tools and repositories integrated into the EuroFIR Platform and will be led by ETHZ supported by three Task Leaders (THL, EuroFIR AISBL & IARC) and the Technical & Sustainability Management Board (TSB; set by WP6). In addition, the following third parties will contribute to the planned activities: EuroFIR AISBL [IDUFIC, Polytec, RIVM & JSI] and IMR will develop the CiteXplore/Repositories interface.

Task 2.1: EuroFIR web services (THL)

The EuroFIR web services (software supporting automated machine-to-machine interactions over the internet) provide an interface for the food composition data interchange from the individual EuroFIR partner to shared EuroFIR services, like eSearch, thereby enabling dynamic data search from various independent data sources (national FCDBs) hosted by national FCDB compiler organisations. THL/DFI/ETHZ will assist those partners in their implementations by either providing guidelines including example implementations and code snippets using common solution stacks for building Web Services (e.g. PHP, Java, MySQL and Apache), or by providing a centralised EuroFIR AISBL based temporary solution to host their database including the web service to link with the eSearch facility. As part of this work, the full SOAP implementation of the hosted national FCDB compilers' databases within eSearch will be implemented by Polytec/DFI supported by EuroFIR AISBL.

Task 2.2: Data and Document services development and implementation (EuroFIR AISBL [IDUFIC])

A further interface will be developed to link the EuroFIR Document and Data Repositories to CiteXplore and this will be undertaken by IMR with support from EuroFIR AISBL [IDUFIC], who will write the specification for this interface. Maintenance and support of the web services will be provided by EuroFIR AISBL (see Task 2.3).

The services will be built on two repositories (see Task 2.3), which include:

- a) EuroFIR Document Repository for food composition related publications;
- b) EuroFIR Data Repository for data extracts of the food composition related publications

An interface will be developed to link the EuroFIR Document and Data Repositories with CiteXplore. This work will be undertaken by IMR with support from EuroFIR AISBL [IDUFIC] who will write the specification for the interface. Retrieval functionality will be enhanced through bespoke facilities of the interface, which will be tested on the initial collections described below. The interface will allow searches to be directed at the CiteXplore subset that will be the Document Repository and will restrict and monitor access to EuroFIR AISBL data files and documents. Maintenance and support of associated website facilities and web service will be provided by EuroFIR AISBL (see Task 2.3). Procedures for the collection, documentation and evaluation of information in the Document and Data Repositories will be developed and used to produce initial collections of key material. This will facilitate collaborative work that will eliminate duplication of effort by compilers and improve the retrievability, consistency and quality of data available for inclusion in FCDB. The Repositories work will be led by EuroFIR AISBL [IDUFIC], in collaboration with ETHZ, IFR, INSA and EuroFIR AISBL [RIVM].

Task 2.3: Maintenance and operational support of food information tools and repositories (ETHZ)

# WT3: Work package description

This task will coordinate the maintenance and support of all food information tools and repositories integrated in the EuroFIR Platform and will be led by ETHZ with support from EuroFIR AISBL. The current tools include:

- eSearch Facility: the single access point to the different databases linking to the facility {EuroFIR AISBL [Polytec] & DFI};
- EuroFIR Thesaurus Manager: supports the management of the eight thesauri needed for standardised compilation of food data (i.e. Thesaurus for Acquisition Types, Components, Value Types, Units, Matrix Units, Method Types, Method Indicators, Reference Types) [EuroFIR AISBL (Polytec & IDUFIC)];
- Food Product Indexer: software for indexing foods with LanguaL (DFI);
- eBASIS [EuroFIR AISBL (Polytec), IFR & DTU];
- FoodCASE: the standardised software for food composition data management (ETHZ);
- EuroFIR eLearning modules (EuroFIR AISBL);
- OPTIJED: a web based menu planner [(EuroFIR AISBL (JSI))];
- Bug tracking system and web based discussion forum (EuroFIR AISBL).

The eSearch Facility, eBASIS and EuroFIR Thesauri Manager: these are now hosted either by EuroFIR AISBL, or by national FCDB compiler organisations. For all FCDBs, the implementation of authentication procedures linked to the central access control maintained will be developed by EuroFIR AISBL [Polytec] and implemented by EuroFIR AISBL (see WP5). Further development of the eSearch Facility with method and recipe information will be carried out by DFI & EuroFIR AISBL [Polytec] in collaboration with Task 3 in WP1.

The maintenance and support activities will consist of bug fixing and accommodation of minor enhancements to the tools and repositories. Requests for bug fixing will be collected through the bug tracking system of the EuroFIR Platform (see WP5) and the bug fixing carried out by the beneficiary/third party responsible for the tool/repository. Suggestions for minor enhancements of the tools/repository will be sought by WP3. The TSB together with WP3 will then assign priorities to the suggested enhancements and corresponding modifications of the tools will be carried out as above.

The eLearning Module will include a SCORM2 compliant eLearning management system will be installed and tested by WU and EuroFIR AISBL in conjunction with WP4.

#### Task 2.4: EPIC-Soft Methodological Platform Interface (IARC)

This task will be led by IARC with support from ETHZ, IFR and EuroFIR AISBL [RIVM] and will devise and develop the conceptual specification for the interface between EMP and eSearch Facility. EPIC-Soft is the tool used and validated in international pan-European epidemiological and monitoring surveys to collect food consumption data (e.g. EPIC, planned pan-EU monitoring surveys coordinated by EFSA). In order to facilitate and coordinate its long-term development, a web-based platform ("the EPIC-Soft Methodological Platform", EMP) is currently under development at IARC with input from EFSA.

The initial conceptual development of the proposed EMP-EuroFIR web interface consists in designing a new EMP module ("EMP Food Data Handling Module) which will have two main purposes: (1) Handling of the EPIC-Soft exported interview data in order to generate an output list of aggregated food occurrences; and (2) Linkage (match) of resulting aggregated food occurrences with external nutrient and other concentration data sources available on the EuroFIR platform.

The development of the EMP Food Data Handling Module would give a direct access and match of the standardised exported interview data collected with the EPIC-Soft programme to the standardised food data linked through the EuroFIR eSearch facility hosted on the EuroFIR Platform. This EMP-EuroFIR web-interface will provide a complete and comprehensive dietary assessment infrastructure, standardised across entire Europe, from food collection to data handling and nutrient calculations. The conceptual development of this EMP-EuroFIR web interface will involve the following tasks:

- a) Evaluate the technological and methodological feasibility of a web-based approach to link the EPIC-Soft Methodological Platform (EMP nested on an IARC web-site) and the EuroFIR platform (led by IARC & EuroFIR AISBL);
- b) Draft concept of the "Food Data Handling module" to be integrated into the EMP to match EPIC-Soft food occurrences (detailed interview data exported from EPIC-Soft) to foods in nutrient databases available in the EuroFIR Nexus and/or through the EuroFIR eSearch facility (led by IARC & ETHZ);
- c) Define needs and necessary resources to fully implement a link between EPIC-Soft food occurrence data and food compositional data in FCDBs in EuroFIR (led by IARC & EuroFIR AISBL).

The actual implementation of this web-interface and related modules, or facilities, on the EMP and EuroFIR respective platforms is not included in this project.

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## Person-Months per Participant

Participant number <sup>10</sup>	Participant short name <sup>11</sup>	Person-months per participant
1	IFR	1.90
2	EuroFIR AISBL	10.50
7	DFI	2.50
8	ETHZ	7.80
9	DTU	0.25
11	IMR	1.50
15	INSA	0.15
16	THL	1.00
18	IARC	3.00
Total		28.60

## List of deliverables

Deliverable Number <sup>61</sup>	Deliverable Title	Lead beneficiary number	Estimated indicative person-months	Nature <sup>62</sup>	Dissemination level <sup>63</sup>	Delivery date <sup>64</sup>
D2.1	1st Report on updated web services	8	3.00	R	PU	11
D2.2	2nd Report on updated web services and future requirements	8	5.20	R	PU	23
D2.3	1st Report on maintenance and operational support of tools and repositories	8	8.90	R	RE	9
D2.4	2nd Report on maintenance and operational support of tools and repositories	8	8.00	R	RE	21
D2.5	Report on conceptual specification interface between EPIC-Soft and EuroFIR eSearch	18	1.20	R	RE	15
D2.6	Manuscript on the EMP-EuroFIR web interface.	18	2.30	R	PU	24
Total			28.60			

## Description of deliverables

D2.1) 1st Report on updated web services: 1st Report on updated web services to include estimates of yearly resources needed to host datasets on the EuroFIR AISBL server of those compilers not being in situation to host own datasets. [month 11]

D2.2) 2nd Report on updated web services and future requirements: 2nd Report on updated web services and future requirements. [month 23]

D2.3) 1st Report on maintenance and operational support of tools and repositories: 1st Report on the maintenance and operational support of the tools and repositories. [month 9]

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D2.4) 2nd Report on maintenance and operational support of tools and repositories: 2nd Report on the maintenance and operational support of the tools and repositories with future requirements. [month 21]

D2.5) Report on conceptual specification interface between EPIC-Soft and EuroFIR eSearch: Report on conceptual specification for the interface between EPIC-Soft Methodological communication platform and EuroFIR eSearch facility including needs and resources to fully implement the EMP Food Data Handling module. [month 15]

D2.6) Manuscript on the EMP-EuroFIR web interface.: Manuscript on the EMP-EuroFIR web interface. [month 24]

## Schedule of relevant Milestones

Milestone number <sup>59</sup>	Milestone name	Lead beneficiary number	Delivery date from Annex I <sup>60</sup>	Comments
MS9	Authentication tested and implemented	2	6	
MS10	Data & document interface tested, implemented and integrated into website	2	9	
MS11	eLearning module updated to SCORM2	5	6	
MS12	Bug tracking system and web based discussion forum established	2	3	
MS13	Initial framework and specifications on the EMP-EuroFIR web interface agreed	18	10	
MS14	EPIC-Soft interface specification concept evaluated	18	18	
MS15	EPIC-Soft interface fully implemented	18	23	
MS16	Implementation of web services (SOAP) for all National FCDB compiler organisations	2	18	



# WT3: Work package description

Project Number <sup>1</sup>	265967	Project Acronym <sup>2</sup>	EuroFIR-Nexus
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## One form per Work Package

Work package number <sup>53</sup>	WP3	Type of activity <sup>54</sup>	OTHER
Work package title	Integration and business development		
Start month	1		
End month	24		
Lead beneficiary number <sup>55</sup>	2		

## Objectives

3.1 Further strengthen and build on EuroFIR's existing institutional commitment to durable integration via the expansion of the core FCDB compiler organisation network (to include new FCDB compiler organisations from non-EuroFIR countries from within and outside Europe), new users and stakeholders, and refine strategy to attract new future income streams from a wide range of sources.

There are two specific aims:

3.1.1 To clearly (a) delineate and distinguish Strategic Activity Units (SAUs) describing both primary and support processes for the purpose; (b) isolate and enhance the commercial uniqueness of the SAUs that can more easily generate new income and more adequately serve the needs of the user target groups, and (c) implement the business and marketing plan for long-term sustainability and financial survivability.

3.1.2 To further enhance the commercial attractiveness and usability of eBASIS by (a) improving the search and reporting functions; (b) exploring further new areas relevant to both agricultural commodities and value-added food products for eBASIS (e.g. bioactive peptides in dairy and muscle foods); and (c) presenting eBASIS database to the food sector as a valuable commercial product.

## Description of work and role of partners

This WP is led by EuroFIR AISBL with support from three Task Group Leaders (IFR, FCN & EuroFIR AISBL). A number of third parties (mainly FCDB compiler organisations) will also contribute to usability testing and feedback for Tasks 2 and 3 below {EuroFIR AISBL [ISPO, Nubel, HHF, NFNI, HEDPC, RIVM, JSI, TÜBITAK, NFSA, AUA and TTZ]}.

Task 3.1 (IFR/ETHZ) - Integration, capacity building and stakeholder engagements in order to develop and refine SAUs

3.1.1: The key integration measures developed during EuroFIR will be maintained by IFR in order to monitor continued organisational commitment to long-term durable integration. The External Advisory Board (WP6) will be used to develop strategy and ideas for developing new income streams.

3.1.2: The relationships with key stakeholders and other EC projects will be maintained by IFR and other beneficiaries within Nexus. New stakeholder engagements will be sought and fostered utilising procedures and communication channels refined in WP5 & 6. This information will be entered into the Customer Relationship Management (CRM) Tool by EuroFIR AISBL and used to support business and marketing activities under Tasks 3.2 & 3.3 below. In particular, the effectiveness of the CRM system will be enhanced by developing based practices and procedures for implementation of corrective actions.

3.1.3: The FCDB compiler network established in EuroFIR (see WP6) will be maintained and extended to other FCDB compiler organisations (that are not currently members of EuroFIR AISBL) in European and worldwide with new strategic links/MoUs and/or EuroFIR AISBL members. This sub-task will be coordinated by IFR and ETHZ [representing EuroFIR AISBL activities]

Task 3.2 – Business development and sustainability strategy (led by FCN)

This task will be led by FCN with support from IFR, EuroFIR AISBL and the EAB. It will focus on the development and refinement of the business plan covering the following activities:

3.2.1: The overall strategy and the business and marketing plans for new income especially from non-FP7 sources will be reviewed and refined by FCN. These plans will be tested by EuroFIR AISBL with different audiences in order to fine-tune the strategy.

3.2.2: The processes and procedures for monitoring and shaping sustainability will be evaluated and refined by FCN based on the final list of value propositions (products, services, etc) to offer with recommendations for the

# WT3: Work package description

implementation of their production process. Any potential patent applications will also be identified for finalised concrete value propositions. For each value proposition, EuroFIR AISBL & IFR will:

- Investigate those value propositions that are ad-hoc (one purchase only per buyer) and those that are repeatable (i.e. the buyer needs them time after time);
- Refine the target groups including estimating the number of potential users within these groups, and estimating how many will eventually become clients/buyers, taking into account feedback and information generated under Task 3;
- Finalise on how the individual 'value propositions' be interfaced per target group and per EuroFIR Nexus organisation (business flows and systems of work for their production and maintenance). The latter refers to finalising which beneficiary/third party might develop/produce/maintain/improve for each value proposition;
- Finalise on how to handle the financial flows, namely what proportion will remain within EuroFIR AISBL for the purpose of financially assisting non-income-generating SAUs, and proportion of income that is returned to the beneficiary/third party based on current test cases as proof of concept. Rules and procedures for costing these value propositions and developing a pricing strategy will also be formulated;
- Develop processes on how to initiate, support and strategically embrace new elaborated value propositions, so that such innovative propositions become a mainstream feature and thus generation of new income streams. This is an internal foresight and management of innovation task in conjunction with IPR management, organisation of the innovation environment for promoting future effectiveness/efficiency of the value propositions, and fostering creativity for the purpose;

Task 3.3 - To monitor and refine products and services based on user requirements and additional stakeholder feedback in order to shape these for maximum future exploitation (EuroFIR AISBL)

This task is led by EuroFIR AISBL with support by IFR, UCC, DTU, DFI, ETHZ, WU, IMR and FRI-SK. The third parties will also contribute by providing feedback for usability testing. While Task 3.2 above focuses on the business and marketing aspects of the SAUs, this task focuses on improving the features and capabilities of the products/tools/services (WPs 1 & 2) and effectively delivers technical support and suggestions/recommendations for improvement in order to feedback to WPs 1 & 2.

Subtask 3.3.1: Stakeholder feedback & product/service refinement

This subtask will be led by EuroFIR AISBL/IFR with support from DFI, ETHZ, WU, IMR, FRI-SK, UCC, ANSES, THL, INSA, INRAN and EuroFIR AISBL [TTZ, NFSA, ISPO, TÜBITAK, RIVM, HEDPC, JSI, NFNI, Nubel, HHF] and various product and service managers in WPs 1& 2 and include the following activities:

- Communication and promotion campaigns will be undertaken by EuroFIR AISBL (supported by WPs 5 & 6) specifically targeted to the user and stakeholder groups for the purpose of monitoring the use of eSearch facility (DFI), Food Product Indexer (DFI), FoodCASE (ETHZ) and e-learning Modules (WU); EuroFIR vocabularies, data and document repositories {EuroFIR AISBL [IDUFIC]} from WPs 1 & 2 above. All feedback will be collated either from usability testing or obtained through the bug tracking tool and fed back to WPs 1 & 2 for possible improvements and identification of new income streams. In addition, the usage of food data (via eSearch and other tools, order/enquiry handling and delivery including complain handling and tracking of user/customer satisfaction) will feed into the feedback.
- Access to the product range (both within and from outside the network with strong interactions with Task 3.2 above) will be defined by EuroFIR AISBL by preparing appropriate SOPs covering the handling of access rights to the products including any IPR issues and royalty payments.
- An inventory and description of full product range and services will be prepared by EuroFIR AISBL including (a) description of the product range for dissemination/marketing materials (with WP5; e.g. product range promotion booklet for several media channels to be used by WPs4 & 6); and (b) description of available case studies in the promotion booklet (e.g. on how the EuroFIR e-learning module is used) for marketing purposes. Any suggestions for improving the range and services will be undertaken on a continual process from monitoring outcome/feedback above and suggestions fed into WP3 and the TSB for consideration.

Subtask 3.3.2: Implementation plan for eBASIS

This subtask will be led by UCC with support from IFR & DTU and contributions from EuroFIR AISBL [TTZ & AUA]. UCC will develop a "friendly client" approach interacting with a selected number of incubation companies, SMEs and large food companies on an intensive one-to-one basis. The process will be piloted with three companies and it is anticipated that a total of 10 companies will participate in the exercise. Individual reports of the interactions with each company will be compiled, which will then be aggregated by sector and size of company, and further synthesised to distil the key recommendations. On the basis of these outcomes a feasibility report will be prepared to scope the refinements and modifications required to commercialise the eBASIS product, draft a business plan for the commercialisation process and situate eBASIS appropriately in the marketplace.

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## Person-Months per Participant

Participant number <sup>10</sup>	Participant short name <sup>11</sup>	Person-months per participant
1	IFR	5.00
2	EuroFIR AISBL	14.50
3	FCN	5.00
4	UCC	5.00
7	DFI	0.50
8	ETHZ	0.50
9	DTU	0.50
11	IMR	0.50
13	FRI-SK	0.50
14	ANSES	0.50
15	INSA	0.50
16	THL	0.50
17	INRAN	0.50
	Total	34.00

## List of deliverables

Deliverable Number <sup>61</sup>	Deliverable Title	Lead beneficiary number	Estimated indicative person-months	Nature <sup>62</sup>	Dissemination level <sup>63</sup>	Delivery date <sup>64</sup>
D3.1	Report on integration, capacity building and stakeholder engagements	1	1.00	R	RE	12
D3.2	Final report on institutional commitment for long-term durability	1	2.00	R	RE	23
D3.3	Report on identification and delineation of SAUs	3	2.50	R	RE	6
D3.4	Updated business plan for both non-income and income generating SAUs	3	3.00	R	RE	11
D3.5	Final business plan for both non-income and income generating SAUs	3	2.50	R	RE	22
D3.6	Report on final product range promotion booklet for several media channels	3	4.00	R	PU	9
D3.7	1st report on monitoring user's feedback and recommendations on product range for improvements and e	2	5.00	R	RE	13

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## List of deliverables

Deliverable Number <sup>61</sup>	Deliverable Title	Lead beneficiary number	Estimated indicative person-months	Nature <sup>62</sup>	Dissemination level <sup>63</sup>	Delivery date <sup>64</sup>
D3.8	2nd report on monitoring user's feedback and final recommendations for improvement	2	4.00	R	RE	18
D3.9	Report summarising the outcomes of the pilot for eBASIS implementation and exploitation.	4	4.00	R	RE	10
D3.10	Final Report summarising the detailed interactions and main recommendations for eBASIS exploitation	4	6.00	R	RE	20
			Total	34.00		

## Description of deliverables

- D3.1) Report on integration, capacity building and stakeholder engagements: Report on integration, capacity building and stakeholder engagements for national FCDB compiler organisations in Europe. [month 12]
- D3.2) Final report on institutional commitment for long-term durability: Final report on institutional commitment for long-term durability for national FCDB compiler organisations in Europe. [month 23]
- D3.3) Report on identification and delineation of SAUs: Report on identification and delineation of SAUs for both non-income and income generating SAUs. [month 6]
- D3.4) Updated business plan for both non-income and income generating SAUs: Updated business and marketing plan for both non-income and income generating SAUs. [month 11]
- D3.5) Final business plan for both non-income and income generating SAUs: Final business and marketing plan for both non-income and income generating SAUs. [month 22]
- D3.6) Report on final product range promotion booklet for several media channels: Report on final product range promotion booklet for several media channels. [month 9]
- D3.7) 1st report on monitoring user's feedback and recommendations on product range for improvements and e: 1st report on monitoring user's feedback and recommendations for improvements. [month 13]
- D3.8) 2nd report on monitoring user's feedback and final recommendations for improvement: 2nd report on monitoring user's feedback and final recommendations for improvement. [month 18]
- D3.9) Report summarising the outcomes of the pilot for eBASIS implementation and exploitation.: Report summarising the outcomes of the pilot phase including procedures used to identify appropriate incubation companies, SMEs and large companies that participated with details of the planned interaction with each company, and recommendations for the main phase. [month 10]
- D3.10) Final Report summarising the detailed interactions and main recommendations for eBASIS exploitation: Report summarising the detailed interactions with each company, stratified by size of enterprise, sector and main recommendations to achieve commercialisation; and training needs for incubation, SMEs and larger food companies in the use/application of eBASIS. [month 20]

# WT3: Work package description

Schedule of relevant Milestones

Milestone number <sup>59</sup>	Milestone name	Lead beneficiary number	Delivery date from Annex I <sup>60</sup>	Comments
MS17	New WBC/EECA contacts identified for MoUs	11	6	
MS18	1st user feedback collated and feedback to WPs & included in updated business plan	2	11	
MS19	1st updated business plan prepared	3	12	
MS20	1st user feedback collated and feedback to other WPs for action	3	11	
MS21	Pilot work completed for eBASIS implementation	4	9	
MS22	2nd user feedback collated and incorporated into final business plan	2	23	
MS23	2nd updated business plan implemented	3	24	

# WT3: Work package description

Project Number <sup>1</sup>	265967	Project Acronym <sup>2</sup>	EuroFIR-Nexus
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## One form per Work Package

Work package number <sup>53</sup>	WP4	Type of activity <sup>54</sup>	COORD
Work package title	Training and spreading of excellence		
Start month	1		
End month	24		
Lead beneficiary number <sup>55</sup>	5		

## Objectives

To continue to spread excellence, training and skills enhancing the impact of EuroFIR in the development, management and exploitation of food composition data and new research tools for public health nutrition research beyond the network through training, and sharing of knowhow and facilities.

## Description of work and role of partners

This WP will be led by WU and supported by four Task Leaders [SLU, WU (4.1 & 4.3) & IMR]. Several other beneficiaries will contribute to the various workshops and training courses and eLearning implementation {EuroFIR AISBL [UHEL]}. Professional ICT support for the development of the existing eLearning modules in EuroFIR will be provided by Topshare. The WP will focus on the continuation of the successful training and exchange programme in EuroFIR:

Targeted groups are producers (food chemists, compilers, nutritionists database experts), and users (dieticians, food researchers, epidemiologists, clinicians, public health officers) of food databanks at universities, food industries, public health, governmental, and nutritional education bodies. These activities will bring a high level of integration of existing and new training activities to this field.

Task 4.1 – Specialised workshops, training courses and exchanges (WU)

Sub-Task 4.1.1: Specialised workshops and training courses

The following courses/workshops have been identified and will be partly supported by EuroFIR Nexus in close collaboration with other WPs and external users, stakeholders and other projects with additional funding to be sought:

- An International Food Composition course in Wageningen (October 2011) organized by WU;
- A regional Food Composition course will be jointly organised in Turkey (second half of 2012) by WU and EuroFIR AISBL [TÜBITAK];
- Courses to support the transnational WEB-access of databases (WP2) and specific services for EuroFIR AISBL (WP 3);
- Additional courses (DFI) (largely self-funding in nature) will be identified based on earlier or newly identified needs of users and stakeholders (WP3). A few examples include:
  - Training on LanguaL indexing, data documentation and quality evaluation (e.g. certification, method validation and uncertainty) for FCDB compiler organisations (possibly as new topics under Food Comp courses);
  - Utilisation of FCDBs by food and software industries;
  - Use of FCDBs for legislation (Codex, nutritional claims, labelling);
  - Use of FCDBs for assessing nutrient intake (intake methodology, consequences of bias and error);
  - Use of FCDBs in clinical practise (evaluation of intake, diet prescription, education);
  - Use of FCDBs in public health contests (monitoring adequacy of diets of populations);
  - Use of FCDBs for substantiation of nutrition and health claims and RDAs (possibly with Eurreca NoE);
  - Food description including innovative approaches using DNA bar-coding.

Sub -task 4.1.2 – Individual training exchanges (SLU)

SLU will continue to coordinate the individual training exchanges programme that was originally established for EuroFIR. It will be substantially reduced for EuroFIR Nexus and be used to support and enhance activities as outlined in all other WPs. In particular, short visits (3-10 days) are planned for:

- Short individual exchanges to support and encourage integration between beneficiaries/EuroFIR AISBL members;

# WT3: Work package description

- Hosted training schemes to support transnational access and services for existing and new users for the Food Data Platform and tools in WP2 above.

Grants for individual training activities will be evaluated using existing EuroFIR procedures and priority will be given to activities of strategic importance with respect to EuroFIR goals and to integrative activities/joint collaborations with other EC projects and initiatives. SLU will be responsible for coordination and contact with host organisations, applicants, reviewers, accountancy, reporting, update of the website information, and support trainees to find suitable hosts. An additional aim is to identify potential bespoke training offerings for industry and other key stakeholders that could be incorporated into the EuroFIR AISBL the business plan (WP3).

Task 4.2 – Implementation of a new e-Learning course on vitamins (WU with support of other beneficiaries)

A new e-Learning module will be developed on selected water- and fat soluble vitamins. In this module, the background and pitfalls of vitamin analysis will be outlined to users without a background in chemistry. The educational framework will be developed by WU and Topshare supported by SLU, and EuroFIR AISBL [UHEL] will assist with drafting the vitamin cases.

The technical implementation of the e-Learning course based on storyboard contents provided by WU and Topshare and will be SCORM 1.2 compliant. To minimize the requirements on the client computers there will be a focus on supporting the default installs of Microsoft Internet Explorer (6 and higher) and Firefox. The only plug-in/add-on will be Adobe Flash Player. The expertise of other beneficiaries in the project will be used at the various stages in the design and development of this module.

As a further step, all university partners in EuroFIR NoE will be approached by WU/EuroFIR AISBL to discuss possibilities to include the EuroFIR modules into their regular curriculum. In cooperation with WP3, other prospective users will be identified and conditions to use these modules outside will be established. IN addition, discussions with Eurreca, NuGO and MoniQA will take place to investigate possibilities for combining eLearning modules in existing or new degree based courses.

Task 4.3 – Shaping and implementing Balkan Food platform with UNU Network for Capacity Development in Central & Eastern European Countries (IMR)

IMR with the support of FRI-SK will develop further MoUs with key food and nutritional stakeholders from WBC and EECA countries in order to improve and extend the existing Balkan Food Platform and web applications for nutrition research and education applications. Specific countries to be targeted will include Former Yugoslav Republic of Macedonia, Albania, Montenegro, Romania, Moldova, Kosovo and Bosnia-Herzegovina (all WBC) and Egypt, Jordan, Algeria and Morocco (MPC).

IMR/FRI-SK will identify and prioritise training needs for WP4 with a particular aim to co-plan and co-organise of meetings and workshops with NCDNCEE and Eurreca NoE projects, where possible, in order to maximise the resources available.

Akershus University College, Norway (Prof Arne Oshaug, UNU Co-ordinator for capacity development for public health nutrition and adviser to NCDNCEE) will provide advice and support to this task as part of their role on the EAB.

## Person-Months per Participant

Participant number <sup>10</sup>	Participant short name <sup>11</sup>	Person-months per participant
2	EuroFIR AISBL	1.50
5	WU	6.00
7	DFI	1.00
11	IMR	3.00
12	SLU	2.75
13	FRI-SK	1.00
19	Topshare	2.50
	Total	17.75

# WT3: Work package description

## List of deliverables

Deliverable Number <sup>61</sup>	Deliverable Title	Lead beneficiary number	Estimated indicative person-months	Nature <sup>62</sup>	Dissemination level <sup>63</sup>	Delivery date <sup>64</sup>
D4.1	1st update on specialist workshops, training courses and individual exchanges	5	3.25	R	PU	11
D4.2	1st update on development and implementation of the e-Learning courses	5	4.00	R	RE	10
D4.3	Final report of specialist workshops, training courses and individual exchanges	5	3.25	R	PU	23
D4.4	1st update on new MoUs with WBC/EECA	11	2.00	R	RE	9
D4.5	Final report on development and implementation of the e-Learning courses with recommendations	5	3.25	R	PU	23
D4.6	Final report on Balkan Food Platform, recommendations for future integration, WBC/EECA countries	11	2.00	R	PU	24
		Total	17.75			

## Description of deliverables

D4.1) 1st update on specialist workshops, training courses and individual exchanges: 1st update on specialist workshops, training courses and individual exchanges undertaken in the first year including evaluations of how the training has contributed towards the WP objectives and overall Nexus objectives. [month 11]

D4.2) 1st update on development and implementation of the e-Learning courses: 1st update on development and implementation of the new e-Learning module on vitamins and feedback from users of existing modules (with WP3, Task 3). [month 10]

D4.3) Final report of specialist workshops, training courses and individual exchanges: Final report of specialist workshops, training courses and individual exchanges undertaken with recommendations for future bespoke training for implementation by EuroFIR AISBL. [month 23]

D4.4) 1st update on new MoUs with WBC/EECA: 1st update on new MoUs with WBC/EECA countries and planned joint activities with other projects/networks. [month 9]

D4.5) Final report on development and implementation of the e-Learning courses with recommendations: Final report on development and implementation of the new e-Learning modules and update on current users and recommendations for future long-term sustainability through EuroFIR AISBL (with WP3, Task 2). [month 23]

D4.6) Final report on Balkan Food Platform, recommendations for future integration, WBC/EECA countries: Final report on Balkan Food Platform including results from capacity building in food and health, and future recommendations for long-term sustainability (with WP3, Task 2). [month 24]



# WT3: Work package description

## Schedule of relevant Milestones

Milestone number <sup>59</sup>	Milestone name	Lead beneficiary number	Delivery date from Annex I <sup>60</sup>	Comments
MS24	Testing and implementation of eLearning module on vitamins	5	8	
MS25	MoU model for WBC/ EECA countries agreed	11	6	
MS26	Initial feedback from users of e-Learning modules received and tested and fed into optimisation wor	11	13	
MS27	Complete overall evaluation of income generation for bespoke training and eLearning usage	11	20	

# WT3: Work package description

Project Number <sup>1</sup>	265967	Project Acronym <sup>2</sup>	EuroFIR-Nexus
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## One form per Work Package

Work package number <sup>53</sup>	WP5	Type of activity <sup>54</sup>	COORD
Work package title	Dissemination and communication		
Start month	1		
End month	24		
Lead beneficiary number <sup>55</sup>	6		

## Objectives

To build on the successful approaches to dissemination, communication and stakeholder engagement, to provide targeted resources to support food data use by the scientific community, regulatory bodies, policy makers and industry, and by the general public, and to maximise the effectiveness of dissemination and potential uptake of tools and “best practice” procedures within both the scientific and end-user stakeholder communities.

## Description of work and role of partners

This WP will be led by BNF with support from the following Task Leaders: EuroFIR AISBL (Task 2) and IFR (Tasks 4 & 5). EuroFIR AISBL [TTZ], FRI-SK and IMR will contribute to all tasks including translations and regional dissemination activities. EuroFIR AISBL [UL] will also contribute to Task 4. The main aims will be to disseminate and communicate the work of the project to its numerous stakeholders (the scientific community, industry, regulators and policy makers, other international organisations and the general public) who have an interest in and/or a need for high quality food composition data.

Many contacts and relationships have already been built with a range of organisations, from regulators and health professionals to researchers and journalists, and these will continue to form the basis of stakeholder engagement activities, while efforts will be made to form new strategic partnerships and to extend the reach of the project. Activities will be focussed on key themes that are of importance to EuroFIR’s continued development and to increasing its impact on, and benefit to, the European Community and beyond.

**Task 5.1 (BNF) – Formulation of overall dissemination and communication strategy**

BNF, supported by EuroFIR AISBL and IFR, will prepare a tailored and updated dissemination and communication plan based on the most recent advances in public health and related policy developments in close liaison with WP3 in order to maximise the impact of EuroFIR’s products and services for commercial exploitation. Input from the EuroFIR Nexus’s Executive Board, key users and stakeholders and External Advisory Board will be sought in order to shape the overall plan. This plan will build on the experience gained over the past 5 years from EuroFIR dissemination activities and will be closely aligned to the three key themes listed above (and in Section 3.2) and the associated public health challenges faced in Europe.

**Task 5.2 (EuroFIR AISBL) – The EuroFIR Website & Portal**

The content of the project’s intranet pages will be expanded and maintained by EuroFIR AISBL and IFR, and the public pages will be maintained by BNF in Task 3 below. The website will acknowledge European Commission's FP7 support and display the EU flag and FP7 logo.

The EuroFIR Portal will provide access to all Tools, Data & Document Repositories and Training possibilities as outlined in WPs 2 & 4. The access will be managed by EuroFIR AISBL alongside the technical management and support for the portal. Content, news, results and findings, and other information will be uploaded on a regular basis onto the Nexus pages (restricted) of the website.

In addition to the usual updates of the operation system and application software, a Wiki will be set up by EuroFIR AISBL for intra-project technical discussions and a bug tracking system, will be run for all food information tools and repositories maintained and supported in WPs 2 & 3. The success of the various tools, data and document repositories will be measured by monitoring their uptake and use by existing and new users in cooperation with WP3. This key information will be fed into the business development strategy and monitoring in WP3 (Tasks 2 & 3).

**Task 5.3 (BNF) – Preparation of dissemination materials and other tailor-made resources for distribution through general communication channels**

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## Work package description

There will be two main aims: (i) provision of information of a general nature about the project, and (ii) provision of information that focuses on the three Key Strategic Themes above (see section 3.2 for more details). The following dissemination materials are planned:

- Two Newsletters per year will be prepared by EuroFIR AISBL to inform Beneficiaries and external stakeholders of news, developments and new opportunities for using and exploiting food data;
- BNF (supported by IFR and EuroFIR AISBL) will provide three major updates on the public web-pages per year covering project news and results; information forthcoming events, workshops and courses; and maintaining links/joint dissemination opportunities to other related projects and other materials;
- Selected materials especially for consumers will be translated into French, Spanish, German and other central European languages as necessary (EuroFIR AISBL, FRI-SK & IMR).

Task 5.4 (IFR) – Maintaining and extending dissemination and communication channels

This task will be led by IFR with support from BNF, IMR, FRI-SK, EuroFIR AISBL and EuroFIR AISBL [UL] and will work closely with Task 1 in WP4 so that there is maximum integration and co-planning of the dissemination and communication channels. Again, we shall build on the experience gained from the EuroFIR dissemination activities, and activities will be closely aligned to the three key themes listed above and the associated public health challenges faced in Europe.

In support to the communication activities of the Commission services, and in addition to a presentation leaflet that it may initiate, the consortium may be requested to provide the Commission with a 2 pages information sheet (double sided A4) which will be drafted in a standard format communicated by the Commission. Upon request, the consortium will also provide an updated version of this information sheet. The Commission services may also request one illustration (picture, schema or drawing) to illustrate such communication material.

We will continue interactions with other strategic FP6 (e.g. Eurreca, NuGO & MoniQA), and FP7/CIP (e.g. BaSeFood, PlantLIBRA & RFID-F2F7) and related networks or organizations (Capacity Development in Nutrition: Thematic Knowledge Network in Central and Eastern Europe via IMR, and CEECFOODS via FRI-SK) and with the International Collaboration in Food Research (via AFMNET), especially establishing reciprocal links on websites and exchange of information and co-planning of workshops and meetings (via IFR and EuroFIR AISBL), to provide added value.

In addition, journalist contacts across Europe, developed via the COMMNET network and other means, will be used to extend the outreach of EuroFIR publicity, including Alpha Galileo & EU Politix ([www.theparliament.com](http://www.theparliament.com)) via BNF. Communication with policy makers and funding agencies, such as the EC & EFSA, WHO & FAO and national agencies will also be maintained, via EuroFIR AISBL, IFR and BNF.

IFR will continue to coordinate interactions with the FAO INFOODS international network of national FCDBs, and will host the 9th International Food Data Conference in Norwich (September 2011), with input from several EuroFIR partners and EuroFIR AISBL. This event will be central to securing the leading international role of EuroFIR AISBL in the field and spear heading pertinent innovation and Europe's leading role globally.

EuroFIR AISBL [UL] in close cooperation with WP 3 will also coordinate further development and exploitation of durable links with the health, socio-economic and policy sectors by organising two joint workshops in conjunction with the ETP Food for Life, Eurreca NoE and other key stakeholders by organising two workshops:

- Workshop 1 – at the 9th IFDC Conference, Norwich (M11) will bring together EuroFIR, health and socio-economic scientists, coordinators of relevant FP projects, ETP Mirror Group (national funding bodies), policy makers, Platform on Diet, Physical Activity and Health in order (i) to identify priorities for improving diet-related health inequalities in ethnic and minority populations, and (ii) to identify opportunities/priorities for EuroFIR food data to support research on minority-population diet-related health inequalities.
- Workshop 2 – at the final EuroFIR Nexus Meeting (M23) bringing together EuroFIR, representatives of ETP National Food Platforms, CIAA and SMEs to discuss how best to respond to opportunities to improve health of migrant/ethnic populations by affordable food products.

In undertaking all these activities, account will continue to be taken of restrictions associated with partner language fluency, partner requirements and preferences, gender issues, feedback from stakeholders, IT literacy and speed/availability of electronic connectivity, the needs of those without internet access, data protection, national sensitivities and gender equality, and specific needs of new partners.

Task 5.5 (IFR) – Organization and promotion of events

This task will be jointly led by IFR. BNF and EuroFIR AISBL and be responsible for the planning, organisation and running the following meetings and events with appropriate local partners:

- The Kick-off meeting will only involve the Nexus Executive Board (EB) and Technical and Sustainability Management Board (TSB) (M2) in Germany;
- Two annual Nexus meetings are planned at M11 in conjunction with the 9th IFDC Conference in Norwich (see below) and at M23 (location to be agreed);

# WT3: Work package description

- 9th International Food Data Conference, Sept 2011 in Norwich will be hosted by IFR in collaboration with FAO INFOODS and EuroFIR AISBL. Additional financial support will be provided by FAO and EuroFIR AISBL (subject to separate agreements) and sponsorship from industry and other stakeholders will also be sought;
- Other stakeholder events to be identified as part of the overall dissemination and communication strategy (see Task 1 above and opportunities identified by WP4, Task 1).

## Person-Months per Participant

Participant number <sup>10</sup>	Participant short name <sup>11</sup>	Person-months per participant
1	IFR	4.00
2	EuroFIR AISBL	5.00
6	BNF	8.00
11	IMR	1.00
13	FRI-SK	1.00
Total		19.00

## List of deliverables

Deliverable Number <sup>61</sup>	Deliverable Title	Lead beneficiary number	Estimated indicative person-months	Nature <sup>62</sup>	Dissemination level <sup>63</sup>	Delivery date <sup>64</sup>
D5.1	Dissemination master plan	6	0.35	R	RE	4
D5.2	1st Newsletter	2	1.00	O	PU	5
D5.3	2nd Newsletter	2	1.00	O	PU	11
D5.4	3rd Newsletter	2	1.00	O	PU	17
D5.5	4th Newsletter	2	1.25	O	PU	24
D5.6	Report on dissemination and communication activities for year 1 with updated master plan	6	2.00	R	RE	11
D5.7	Report on dissemination and communication activities for year 2	6	2.00	R	RE	23
D5.8	Programme and speakers agreed for 1st ethnic minorities' drafted	2	1.25	R	PU	6
D5.9	Report 1st workshop to identify priorities for improving diet-related health inequalities	2	2.00	R	PU	11
D5.10	Programme and speakers agreed for 2nd ethnic minorities' workshop	2	1.25	R	PU	15
D5.11	Report on 2nd workshop to improve health of migrant/ethnic populations	2	2.00	R	PU	23
D5.12	Programme and speakers agreed for 9th IFDC	1	1.50	R	PU	5
D5.13	Report on updates to intranet pages	2	0.70	R	RE	9

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## List of deliverables

Deliverable Number <sup>61</sup>	Deliverable Title	Lead beneficiary number	Estimated indicative person-months	Nature <sup>62</sup>	Dissemination level <sup>63</sup>	Delivery date <sup>64</sup>
D5.14	Final report updates to intranet pages	2	0.70	R	RE	18
D5.15	Standard communication material to be provided to the European Commission	2	1.00	R	PU	5
Total			19.00			

## Description of deliverables

- D5.1) Dissemination master plan: Dissemination master plan prepared. [month 4]
- D5.2) 1st Newsletter: 1st Newsletter produced. [month 5]
- D5.3) 2nd Newsletter: 2nd Newsletter produced. [month 11]
- D5.4) 3rd Newsletter: 3rd Newsletter produced. [month 17]
- D5.5) 4th Newsletter: 4th Newsletter produced. [month 24]
- D5.6) Report on dissemination and communication activities for year 1 with updated master plan: Report on dissemination and communication activities for year 1 including website materials and hits, translated materials, and updated dissemination plan. [month 11]
- D5.7) Report on dissemination and communication activities for year 2: Report on dissemination and communication activities for year 2 including website materials and hits, translated materials and updated dissemination plan. [month 23]
- D5.8) Programme and speakers agreed for 1st ethnic minorities' drafted: Programme and speakers agreed for 1st ethnic minorities' workshop. [month 6]
- D5.9) Report 1st workshop to identify priorities for improving diet-related health inequalities: Report on 1st workshop to identify priorities for improving diet-related health inequalities in ethnic and minority populations, and opportunities/priorities for EuroFIR food data to support research [month 11]
- D5.10) Programme and speakers agreed for 2nd ethnic minorities' workshop: Programme and speakers agreed for 2nd ethnic minorities' workshop. [month 15]
- D5.11) Report on 2nd workshop to improve health of migrant/ethnic populations: Report on 2nd workshop to improve health of migrant/ethnic populations by affordable food products and Outline Action Plan [month 23]
- D5.12) Programme and speakers agreed for 9th IFDC: Programme and speakers agreed for 9th IFDC [month 5]
- D5.13) Report on updates to intranet pages: Report on updates to intranet pages [month 9]
- D5.14) Final report updates to intranet pages: Final report updates to intranet pages and recommendations for future developments [month 18]
- D5.15) Standard communication material to be provided to the European Commission: Standard communication material to be provided to the European Commission [month 5]

# WT3: Work package description

## Schedule of relevant Milestones

Milestone number <sup>59</sup>	Milestone name	Lead beneficiary number	Delivery date from Annex I <sup>60</sup>	Comments
MS28	Updated dissemination & communications plan implemented	6	5	
MS29	Wiki set up and tested	2	3	
MS30	Review of dissemination plan completed & updates made	6	12	
MS31	Public website updated at least 3 times	6	11	
MS32	Public website updated at least 3 times	6	21	

# WT3: Work package description

Project Number <sup>1</sup>	265967	Project Acronym <sup>2</sup>	EuroFIR-Nexus
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## One form per Work Package

Work package number <sup>53</sup>	WP6	Type of activity <sup>54</sup>	OTHER
Work package title	Management		
Start month	1		
End month	24		
Lead beneficiary number <sup>55</sup>	1		

## Objectives

To direct and execute all management activities described in the Consortium Agreement and oversee the development and implementation of the long-term sustainability strategy by ensuring that EuroFIR Food Data Platform is embedded in the European research community, and its connection to all major stakeholders in the food and health area in close collaboration with all other WPs.

## Description of work and role of partners

This WP will be led by IFR with support from EuroFIR AISBL and the Executive, Technical & Sustainability & Management, and External Advisory Boards. There are 4 main tasks planned:

Task 6.1 (IFR): Management and execution of all activities including all EC reporting

- The overall management of the project (as described in Section 2.1), will be executed;
- All internal project meetings will be organised, executed and reported. In particular, the kick-off and annual EuroFIR Nexus meetings with their linked Executive Board (EB), External Advisory Board (EAB), Technical & Sustainability Management Board (TSMB, and General Assembly Meetings will be organised;
- Any corrective or proactive management measures will be discussed agreed and implemented;
- Technical, financial and IPR management of the project towards the partner organizations will be properly executed in order to achieve durable long-term sustainability of EuroFIR.
- Periodic activity and financial reports, plans, mid-term and final reports will be timely delivered to the EC;
- All financial aspects of managing the project towards the EC will be executed.

Task 6.2 (IFR): Stakeholder and sustainability strategy & implementation

An External Advisory Board (EAB) will be established by IFR with key representatives of all major stakeholders and will meet during Annual meetings, and by telephone/online meetings as necessary. Its role will be to advise the EB and TSMB on the long-term sustainability strategy and its implementation.

The communication with stakeholder communities will be strategized, structured and executed through WPs 3 & 5 with general support and input from WP6. The sustained embedding in generic developments and structures will be pursued through the implementation of the CEN Food Data Standard with key stakeholders (national FCDB compiler organisations, GS1, industry and EFSA under WP1.

The sustained embedding in the strategy and implementation activities of the European Technology Platform for Life will be developed via WP5 with links to the various National Food Platforms, where appropriate, leading to the insertion of the EuroFIR sustainability model in the general model of structured European food and nutrition research initiatives (e.g. the JPI on “A Healthy Diet for a Health Life”, ongoing FP7 research projects and EFSA’s pan-European projects on food consumption).

Task 6.3 (EuroFIR AISBL): Establishment of refined consortium secretariat and European Bureau

The Secretariat will be based at IFR in the existing EuroFIR Office for the duration of the project. The EuroFIR Bureau in Brussels will provide an increased European presence and focal point for stakeholder enquiries and outreach to new users of the Food Data Platform as set out in WP3. Close co-operation and co-planning with EuroFIR AISBL will be executed to ensure integrated communications to users and stakeholders.

Task 6.4: Setup and coordination of Technical & Sustainability Management Board (TSB) and Compiler Network (CN)

The TSB will be set up in M1 and consist of WP-Ls for WP1-3 (IFR, ETHZ & EuroFIR AISBL) and selected Task Group Leaders (THL, DFI, IDUFIC, JSI & Foodcon). The TSB will take up the suggestions for the refinement of the food information tools and repositories and the product range identified by WP3 and will assess their

# WT3: Work package description

technical feasibility for implementation by Task Group 5 of this WP. The TSB will meet at M2 (with 1st meeting of the EB), M11 & M23.

The CN will continue to form the central hub of the consortium with representatives from each of the FCDB compiler organizations and will be coordinated by IFR with support from EuroFIR AISBL and DFI.

Task 6.5 (IFR) – Management of Knowledge and IPR

IFR with support from EuroFIR AISBL and EB will provide baseline information on IPR status of all outputs, products and services from the current EuroFIR NoE at the kick-off meeting that will form the basis of the initial Consortium Agreement.

IFR will survey all beneficiaries in the project every six months on the foreground developed of IPR relevance within EuroFIR Nexus and ensure that all beneficiaries are meeting their obligations under the EC grant agreement with respect to IPR.

IFR/EuroFIR AISBL will prepare a bi-annual status report on the use, dissemination and exploitation of all foreground based on information from the beneficiaries and reports from all WPs especially WPs 1-3. The reports will be submitted to the EB and EAB for comments.

IFR in conjunction with IMR (WP4) will prepare a generic MoU to be used with stakeholders from WBC/EECA countries in order to ensure fair benefit sharing arrangements with these stakeholders are effectively managed during the project, and that procedures are implemented to facilitate effective capacity building.

In addition, data sharing and security will be effectively managed by EuroFIR AISBL through the development and implementation of SOPs and generic licensing agreements between the AISBL and national FCDB compiler organisations. These will be reviewed by the EB and EAB.

## Person-Months per Participant

Participant number <sup>10</sup>	Participant short name <sup>11</sup>	Person-months per participant
1	IFR	13.00
2	EuroFIR AISBL	2.00
	Total	15.00

## List of deliverables

Deliverable Number <sup>61</sup>	Deliverable Title	Lead beneficiary number	Estimated indicative person-months	Nature <sup>62</sup>	Dissemination level <sup>63</sup>	Delivery date <sup>64</sup>
D6.1	Signed Consortium Agreement	1	1.00	O	RE	1
D6.2	Report on kick-off meeting	1	1.50	R	RE	3
D6.3	Report on 1st Annual Meeting	1	4.75	R	PU	13
D6.4	Report on 2nd Annual Meeting	1	5.25	R	PU	24
D6.5	1st updated IPR Report	1	0.75	R	RE	7
D6.6	2nd updated IPR Report	1	0.75	R	RE	13
D6.7	Final IPR report with recommendations for long-term sustainability	1	1.00	R	RE	23
		Total	15.00			

## Description of deliverables

D6.1) Signed Consortium Agreement: Signed Consortium Agreement obtained. [month 1]

D6.2) Report on kick-off meeting: Report on kick-off meeting covering Executive Board and Technical & Sustainability Management Board. [month 3]



# WT3: Work package description

D6.3) Report on 1st Annual Meeting: Report on 1st Annual Meeting including an update of all stakeholder interactions, sustainability update and a short summary of the 9IFDC. [month 13]

D6.4) Report on 2nd Annual Meeting: Report on 2nd Annual Meeting including final update of all stakeholder interactions, sustainability status and future recommendations. [month 24]

D6.5) 1st updated IPR Report: 1st updated IPR Report [month 7]

D6.6) 2nd updated IPR Report: 2nd updated IPR Report [month 13]

D6.7) Final IPR report with recommendations for long-term sustainability: Final IPR report with recommendations for long-term sustainability [month 23]

## Schedule of relevant Milestones

Milestone number <sup>59</sup>	Milestone name	Lead beneficiary number	Delivery date from Annex I <sup>60</sup>	Comments
MS33	Consortium Agreement signed by all partners	1	1	
MS34	EAB established	1	1	
MS35	1st IPR Report circulated for feedback	1	7	
MS36	2nd IPR Report prepared circulated for feedback	1	13	
MS37	Final IPR report prepared and circulated for feedback	1	23	
MS38	Review of EuroFIR AISBL Office	1	9	

# WT4: List of Milestones

Project Number <sup>1</sup>	265967	Project Acronym <sup>2</sup>	EuroFIR-Nexus
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## List and Schedule of Milestones

Milestone number <sup>59</sup>	Milestone name	WP number <sup>53</sup>	Lead beneficiary number	Delivery date from Annex I <sup>60</sup>	Comments
MS1	Auditors trained	WP1	2	6	
MS2	Feedback received from FCDB compiler organisation on QMS/GAMA	WP1	15	13	
MS3	1st round of audits on FCDB compiler organisations completed	WP1	1	12	
MS4	Final audits on FCDB compiler organisations completed with future plans established	WP1	1	23	
MS5	Documentation standards, thesauri and associated procedures developed	WP1	1	23	
MS6	Data Quality evaluation system fact sheet finalised	WP1	8	18	
MS7	Component thesaurus workshop at 9th IFDC	WP1	2	9	
MS8	Repository launch with 2010 journal selections, initial member documents and data files	WP1	2	4	
MS9	Authentication tested and implemented	WP2	2	6	
MS10	Data & document interface tested, implemented and integrated into website	WP2	2	9	
MS11	eLearning module updated to SCORM2	WP2	5	6	
MS12	Bug tracking system and web based discussion forum established	WP2	2	3	

# WT4: List of Milestones

Milestone number <sup>59</sup>	Milestone name	WP number <sup>53</sup>	Lead beneficiary number	Delivery date from Annex I <sup>60</sup>	Comments
MS13	Initial framework and specifications on the EMP-EuroFIR web interface agreed	WP2	18	10	
MS14	EPIC-Soft interface specification concept evaluated	WP2	18	18	
MS15	EPIC-Soft interface fully implemented	WP2	18	23	
MS16	Implementation of web services (SOAP) for all National FCDB compiler organisations	WP2	2	18	
MS17	New WBC/EECA contacts identified for MoUs	WP3	11	6	
MS18	1st user feedback collated and feedback to WPs & included in updated business plan	WP3	2	11	
MS19	1st updated business plan prepared	WP3	3	12	
MS20	1st user feedback collated and feedback to other WPs for action	WP3	3	11	
MS21	Pilot work completed for eBASIS implementation	WP3	4	9	
MS22	2nd user feedback collated and incorporated into final business plan	WP3	2	23	
MS23	2nd updated business plan implemented	WP3	3	24	
MS24	Testing and implementation of eLearning module on vitamins	WP4	5	8	
MS25	MoU model for WBC/EECA countries agreed	WP4	11	6	

# WT4: List of Milestones

Milestone number <sup>59</sup>	Milestone name	WP number <sup>53</sup>	Lead beneficiary number	Delivery date from Annex I <sup>60</sup>	Comments
MS26	Initial feedback from users of e-Learning modules received and tested and fed into optimisation work	WP4	11	13	
MS27	Complete overall evaluation of income generation for bespoke training and eLearning usage	WP4	11	20	
MS28	Updated dissemination & communications plan implemented	WP5	6	5	
MS29	Wiki set up and tested	WP5	2	3	
MS30	Review of dissemination plan completed & updates made	WP5	6	12	
MS31	Public website updated at least 3 times	WP5	6	11	
MS32	Public website updated at least 3 times	WP5	6	21	
MS33	Consortium Agreement signed by all partners	WP6	1	1	
MS34	EAB established	WP6	1	1	
MS35	1st IPR Report circulated for feedback	WP6	1	7	
MS36	2nd IPR Report prepared circulated for feedback	WP6	1	13	
MS37	Final IPR report prepared and circulated for feedback	WP6	1	23	
MS38	Review of EuroFIR AISBL Office	WP6	1	9	

# WT5: Tentative schedule of Project Reviews

Project Number <sup>1</sup>	265967	Project Acronym <sup>2</sup>	EuroFIR-Nexus
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## Tentative schedule of Project Reviews

Review number <sup>65</sup>	Tentative timing	Planned venue of review	Comments, if any
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## Project Effort by Beneficiary and Work Package

Project Number <sup>1</sup>	265967	Project Acronym <sup>2</sup>	EuroFIR-Nexus
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### Indicative efforts (man-months) per Beneficiary per Work Package

Beneficiary number and short-name	WP 1	WP 2	WP 3	WP 4	WP 5	WP 6	Total per Beneficiary
1 - IFR	5.00	1.90	5.00	0.00	4.00	13.00	28.90
2 - EuroFIR AISBL	5.75	10.50	14.50	1.50	5.00	2.00	39.25
3 - FCN	0.00	0.00	5.00	0.00	0.00	0.00	5.00
4 - UCC	0.00	0.00	5.00	0.00	0.00	0.00	5.00
5 - WU	0.00	0.00	0.00	6.00	0.00	0.00	6.00
6 - BNF	0.00	0.00	0.00	0.00	8.00	0.00	8.00
7 - DFI	4.00	2.50	0.50	1.00	0.00	0.00	8.00
8 - ETHZ	3.00	7.80	0.50	0.00	0.00	0.00	11.30
9 - DTU	0.00	0.25	0.50	0.00	0.00	0.00	0.75
10 - NFA	1.50	0.00	0.00	0.00	0.00	0.00	1.50
11 - IMR	0.00	1.50	0.50	3.00	1.00	0.00	6.00
12 - SLU	0.00	0.00	0.00	2.75	0.00	0.00	2.75
13 - FRI-SK	1.50	0.00	0.50	1.00	1.00	0.00	4.00
14 - ANSES	1.50	0.00	0.50	0.00	0.00	0.00	2.00
15 - INSA	5.00	0.15	0.50	0.00	0.00	0.00	5.65
16 - THL	0.00	1.00	0.50	0.00	0.00	0.00	1.50
17 - INRAN	0.00	0.00	0.50	0.00	0.00	0.00	0.50
18 - IARC	0.00	3.00	0.00	0.00	0.00	0.00	3.00
19 - Topshare	0.00	0.00	0.00	2.50	0.00	0.00	2.50
<b>Total</b>	<b>27.25</b>	<b>28.60</b>	<b>34.00</b>	<b>17.75</b>	<b>19.00</b>	<b>15.00</b>	<b>141.60</b>

## Project Effort by Activity type per Beneficiary

Project Number <sup>1</sup>	265967	Project Acronym <sup>2</sup>	EuroFIR-Nexus
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### Indicative efforts per Activity Type per Beneficiary

Activity type	Part. 1 IFR	Part. 2 EuroFIR	Part. 3 FCN	Part. 4 UCC	Part. 5 WU	Part. 6 BNF	Part. 7 DFI	Part. 8 ETHZ	Part. 9 DTU	Part. 10 NFA	Part. 11 IMR	Part. 12 SLU	Part. 13 FRI-SK	Part. 14 ANSES
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3. Consortium Management activities														
Total Management	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Work Packages for Coordination activities														
WP 4	0.00	1.50	0.00	0.00	6.00	0.00	1.00	0.00	0.00	0.00	3.00	2.75	1.00	0.00
WP 5	4.00	5.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00
Total Coordination	4.00	6.50	0.00	0.00	6.00	8.00	1.00	0.00	0.00	0.00	4.00	2.75	2.00	0.00

4. Other activities														
WP 1	5.00	5.75	0.00	0.00	0.00	0.00	4.00	3.00	0.00	1.50	0.00	0.00	1.50	1.50
WP 2	1.90	10.50	0.00	0.00	0.00	0.00	2.50	7.80	0.25	0.00	1.50	0.00	0.00	0.00
WP 3	5.00	14.50	5.00	5.00	0.00	0.00	0.50	0.50	0.50	0.00	0.50	0.00	0.50	0.50
WP 6	13.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total other	24.90	32.75	5.00	5.00	0.00	0.00	7.00	11.30	0.75	1.50	2.00	0.00	2.00	2.00

<b>Total</b>	<b>28.90</b>	<b>39.25</b>	<b>5.00</b>	<b>5.00</b>	<b>6.00</b>	<b>8.00</b>	<b>8.00</b>	<b>11.30</b>	<b>0.75</b>	<b>1.50</b>	<b>6.00</b>	<b>2.75</b>	<b>4.00</b>	<b>2.00</b>
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## Project Effort by Activity type per Beneficiary

Activity type	Part. 15 INSA	Part. 16 THL	Part. 17 INRAN	Part. 18 IARC	Part. 19 Topshar	Total
<b>3. Consortium Management activities</b>						
Total Management	0.00	0.00	0.00	0.00	0.00	0.00
<b>Work Packages for Coordination activities</b>						
WP 4	0.00	0.00	0.00	0.00	2.50	17.75
WP 5	0.00	0.00	0.00	0.00	0.00	19.00
Total Coordination	0.00	0.00	0.00	0.00	2.50	36.75
<b>4. Other activities</b>						
WP 1	5.00	0.00	0.00	0.00	0.00	27.25
WP 2	0.15	1.00	0.00	3.00	0.00	28.60
WP 3	0.50	0.50	0.50	0.00	0.00	34.00
WP 6	0.00	0.00	0.00	0.00	0.00	15.00
Total other	5.65	1.50	0.50	3.00	0.00	104.85
<b>Total</b>	<b>5.65</b>	<b>1.50</b>	<b>0.50</b>	<b>3.00</b>	<b>2.50</b>	<b>141.60</b>



# WT8: Project Effort and costs

Project Number <sup>1</sup>	265967	Project Acronym <sup>2</sup>	EuroFIR-Nexus
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## Project efforts and costs

Beneficiary number	Beneficiary short name	Estimated eligible costs (whole duration of the project)						Total receipts (€)	Requested EU contribution (€)
		Effort (PM)	Personnel costs (€)	Subcontracting (€)	Other Direct costs (€)	Indirect costs OR lump sum, flat-rate or scale-of-unit (€)	Total costs		
1	IFR	28.90	153,122.00	0.00	170,306.00	23,072.00	346,500.00	0.00	326,426.00
2	EuroFIR AI	39.25	207,857.00	0.00	14,830.00	25,245.72	247,932.72	0.00	229,628.00
3	FCN	5.00	38,710.00	0.00	0.00	7,742.00	46,452.00	0.00	39,348.00
4	UCC	5.00	33,500.00	0.00	0.00	6,700.00	40,200.00	0.00	31,364.00
5	WU	6.00	40,362.00	0.00	0.00	2,825.00	43,187.00	0.00	37,789.00
6	BNF	8.00	41,600.00	0.00	3,150.00	8,950.00	53,700.00	0.00	47,882.00
7	DFI	8.00	67,401.00	0.00	0.00	13,480.20	80,881.20	0.00	68,512.00
8	ETHZ	11.30	95,390.00	0.00	0.00	19,078.00	114,468.00	0.00	89,309.00
9	DTU	0.75	4,535.00	0.00	0.00	907.00	5,442.00	0.00	4,245.00
10	NFA	1.50	8,700.00	0.00	10,000.00	0.00	18,700.00	0.00	17,508.00
11	IMR	6.00	17,600.00	0.00	0.00	3,520.00	21,120.00	0.00	16,865.00
12	SLU	2.75	16,032.00	0.00	0.00	3,206.40	19,238.40	0.00	15,010.00
13	FRI-SK	4.00	4,000.00	0.00	0.00	800.00	4,800.00	0.00	3,878.00
14	ANSES	2.00	4,975.00	0.00	0.00	995.00	5,970.00	0.00	4,659.00
15	INSA	5.65	26,521.00	0.00	0.00	5,304.20	31,825.20	0.00	24,830.00
16	THL	1.50	7,835.00	0.00	0.00	0.00	7,835.00	0.00	7,335.00
17	INRAN	0.50	0.00	0.00	1,250.00	250.00	1,500.00	0.00	1,170.00
18	IARC	3.00	12,000.00	0.00	0.00	2,400.00	14,400.00	0.00	12,840.00
19	Topshare	2.50	20,000.00	0.00	0.00	4,000.00	24,000.00	0.00	21,400.00
Total		141.60	800,140.00	0.00	199,536.00	128,475.52	1,128,151.52	0.00	999,998.00

### 1. Project number

The project number has been assigned by the Commission as the unique identifier for your project. It cannot be changed. The project number **should appear on each page of the grant agreement preparation documents (part A and part B)** to prevent errors during its handling.

### 2. Project acronym

Use the project acronym as given in the submitted proposal. It cannot be changed unless agreed so during the negotiations. The same acronym **should appear on each page of the grant agreement preparation documents (part A and part B)** to prevent errors during its handling.

### 53. Work Package number

Work package number: WP1, WP2, WP3, ..., WPn

### 54. Type of activity

For all FP7 projects each work package must relate to one (and only one) of the following possible types of activity (only if applicable for the chosen funding scheme – must correspond to the GPF Form Ax.v):

- **RTD/INNO** = Research and technological development including scientific coordination - applicable for Collaborative Projects and Networks of Excellence
- **DEM** = Demonstration - applicable for collaborative projects and Research for the Benefit of Specific Groups
- **MGT** = Management of the consortium - applicable for all funding schemes
- **OTHER** = Other specific activities, applicable for all funding schemes
- **COORD** = Coordination activities – applicable only for CAs
- **SUPP** = Support activities – applicable only for SAs

### 55. Lead beneficiary number

Number of the beneficiary leading the work in this work package.

### 56. Person-months per work package

The total number of person-months allocated to each work package.

### 57. Start month

Relative start date for the work in the specific work packages, month 1 marking the start date of the project, and all other start dates being relative to this start date.

### 58. End month

Relative end date, month 1 marking the start date of the project, and all end dates being relative to this start date.

### 59. Milestone number

Milestone number: MS1, MS2, ..., MSn

### 60. Delivery date for Milestone

Month in which the milestone will be achieved. Month 1 marking the start date of the project, and all delivery dates being relative to this start date.

### 61. Deliverable number

Deliverable numbers in order of delivery dates: D1 – Dn

### 62. Nature

Please indicate the nature of the deliverable using one of the following codes

**R** = Report, **P** = Prototype, **D** = Demonstrator, **O** = Other

### 63. Dissemination level

Please indicate the dissemination level using one of the following codes:

- **PU** = Public
- **PP** = Restricted to other programme participants (including the Commission Services)
- **RE** = Restricted to a group specified by the consortium (including the Commission Services)
- **CO** = Confidential, only for members of the consortium (including the Commission Services)

- **Restreint UE** = Classified with the classification level "Restreint UE" according to Commission Decision 2001/844 and amendments
- **Confidentiel UE** = Classified with the mention of the classification level "Confidentiel UE" according to Commission Decision 2001/844 and amendments
- **Secret UE** = Classified with the mention of the classification level "Secret UE" according to Commission Decision 2001/844 and amendments

**64. Delivery date for Deliverable**

Month in which the deliverables will be available. Month 1 marking the start date of the project, and all delivery dates being relative to this start date

**65. Review number**

Review number: RV1, RV2, ..., RVn

**66. Tentative timing of reviews**

Month after which the review will take place. Month 1 marking the start date of the project, and all delivery dates being relative to this start date.

**67. Person-months per Deliverable**

The total number of person-month allocated to each deliverable.

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## GLOSSARY

<b>Acronym</b>	<b>Definition</b>
AFMNET	Advanced Foods and Materials Network
ANSES	French Agency for Food, Environmental and Occupational Health Safety
AUA	Agricultural University of Athens, Greece
BaSeFood	Sustainable exploitation of bioactive components from the Black Sea Area traditional foods (FP7 CP)
BEUC	Bureau Européen des Unions de Consommateurs
BNF	British Nutrition Foundation, United Kingdom
CA	Consortium Agreement
CEN	Technical Committee TC275 under the European Committee for Standardisation
CHILL-ON	Developing and integrating novel technologies to improve safety, transparency and quality insurance of the chilled/frozen food supply chain
CIAA	Confederation of the Food and Drink Industries of the EU, Belgium
CN	Compiler Network
CO	Coordinator
CONDOR	Consumer Decision-making on organic products
COORD	Coordination
CRM	Contacts Relationship Management
DFI	Danish Food Information, Denmark
DG SANCO	Directorate General for Health and Consumers of the EC
DTU	Danish Technical University, Denmark
EB	Executive Board
EC	European Commission
EECA	Eastern Europe and Central Asia
EFCOVAL	European Food Consumption Validation (FP6 STREP)
EFSA	European Food Safety Authority, Italy
EMP	EPIC-Soft Methodological Platform
ENDB	EPIC Nutrient Database
EPIC	European Prospective Investigation on Diet and Cancer
ETHZ	ETH Zurich, Switzerland
ETP	European Technology Platform on Food for Life's Implementation Action Plan
EuroFIR	European Food Information Resource Network of Excellence (FP6 NoE)
EuroFIR AISBL	European Food Information Resource, Belgium
EUROPREVALL	The prevalence, cost and basis of food allergy across Europe (FP6 IP)
Eurreca	Harmonising nutrient recommendations across Europe with special focus on vulnerable groups and consumer understanding (FP6 NoE)
EAB	External Advisory Board
FAO	Food and Agriculture Organization of the United Nations
FEPAS®	Food Analysis Performance Assessment Scheme
FCDBs	Food Composition Databases
FC-FVS	Food Centre of Food and Veterinary Service of Latvia
FCN	Foodcon, Belgium

FDA	US Food and Drug Administration
FERA	The Food and Environment Research Agency, United Kingdom
FLABEL	Food Labelling to Advance Better Education for Life
FRI-SK	Food Research Institute, Slovakia
GA	General Assembly
GUT	Technische Universitaet Graz, Austria
HECTOR	Eating out: habits, determinants, and recommendations for consumers and the European catering sector (FP6 CA)
HEDPC	Health Education and Disease Prevention Centre
HHF	Hellenic Health Foundation, Greece
IARC	International Agency for Research on Cancer, France
IDUFIC	Ian D Unwin Food Information Consultancy, United Kingdom
IFR	Institute of Food Research, United Kingdom
IMEKO	International Measurements Confederation
IMR	University of Belgrade, Serbia
INFOODS	International Network of Food Data Systems
INFORMALL	Communicating about food allergies – information for consumers, regulators and industry (FP5)
INRAN	Istituto Nazionale di Ricerca per gli Alimenti e la Nutrizione, Italy
INSA	National Institute of Health, Portugal
IPR	Intellectual Property Rights
ISPO	Istituto per lo Studio e la Prevenzione Oncologica, Italy
INYTA-UGR	University of Granada, Spain
JPA	Joint Platform of Activities
JSI	Joseph Stefan Institute, Slovenia
LATINFOODS	Latin American regional food composition network, co-sponsored by the Food and Agriculture Organization of the United Nations (FAO) and the United Nations University (UNU)
LTC	LanguaL Technical Committee
MATIS	Matís Food Research, Innovation & Safety, Iceland
MGT	Management
MoniQA	Monitoring and Quality Assurance in the Food Supply Chain (FP6 NoE)
MoUs	Memorandum of Understanding
MPC	Mediterranean Partner Country
MRI	Max Rubner Institute, Germany
NCDNCEE	Network for Capacity Development in Central & Eastern European Countries
NCPHP	National Center of Public Health Protection, Bulgaria
NFA	Swedish National Food Administration, Sweden
NFSA	National Food Safety Authority, Norway
NFNI	National Food & Nutrition Institute, Poland
NoE	Network of Excellence
Nubel	Nutriënten Belgie vzw, Belgium
NuGO	The European Nutrigenomics Organisation: linking genomics, nutrition and health research (FP6 NoE)
PlantLIBRA	PLANT food supplements: Levels of Intake, Benefit and Risk Assessment (FP7 CP)
PMO	EuroFIR NoE Project Management Office (IFR)
PMS	Person Months

PP	Restricted to other programme participants (including the Commission Services) and beneficiaries.
POLYTEC	POLYTEC APS
PROSAFEBEEF	Advancing Beef Safety and Quality through Research and Innovation
PU	Public
QPORKCHAINS	Improving the quality of pork and pork products for the consumer: Development of innovative, integrated, and sustainable food production chains of high quality pork products matching consumer demands.
R & D	Research and Development
RDA	Recommend Dietary Allowance
RE	Restricted to a group specified by the consortium (including the Commission Services)
RFID-F2F	Farm to Fork (FP7 RFID)
RIVM	Institute of Public Health and the Environment, The Netherlands
SAFEFOODS	Promoting Food Safety through a new integrated risk analysis approach for foods
SAUs	Strategic Activity Unit
SCORM	Sharable Content Object Reference Model
SE	Secretariat EuroFIR AISBL
SLU	Swedish University of Agricultural Sciences, Sweden
SME	Small to Medium Enterprise
THL	National Institute of Health and Welfare, Finland
TOC	The Operations Centre, Norwich Research Park, United Kingdom
Topshare	Topshare International BV
TRACE	Tracing Food Commodities in Europe (FP6 IP)
TSB	Technical & Sustainability Management Board
TTZ	Verein zur Förderung des Technologietransfers an der Hochschule Bremerhaven e.V, Germany
TÜBITAK	TÜBITAK Marmara Research Center, Turkey
UCC	University College Cork, Ireland
UEAPME	European Association of craft, small and medium-sized enterprises
UGR	University of Granada, Spain
UHEL	University of Helsinki, Norway
UiO	University of Oslo
UL	University of Leeds, United Kingdom
UNU	United Nations University
USDA	United States Drugs Administration
UVI	University of Vienna, Austria
WB	West Balkan
WHO	World Health Organisation
WP-L	Work Package Leader
WPs	Work Packages
WU	Wageningen University, The Netherlands



## **B1. Concept and objectives, contribution to the coordination of high quality research, quality and effectiveness of the coordination mechanism and associated work plan**

### **B 1.1 Concept and project objective(s)**

Concept: This project will further develop, implement and refine the European Food Platform in order to improve and support the ways in which research is carried out into the relationships between food, diets and health in Europe. This leads to increased usage and exploitation of national food data and EuroFIR tools, through the EuroFIR Platform, for pan-European nutrition studies, networked usage, and implementation of standards and best practice. This together forms the basis of EuroFIR's long-term financial self-survivability and sustainability through the newly established legal entity EuroFIR Association Internationale Sans But Lucratif (EuroFIR AISBL; a non-profit international association established in 2009 by nine EuroFIR partner organisations and based in Brussels).

The overarching strategic aim of EuroFIR Nexus is to improve the integration and connectivity between the availability and the use of such data (and also the tools now available via the EuroFIR Food Platform) by the science community, regulators, policy makers and by the food industry, for the benefit of the population across Europe in particular.

To this end, activities will be focussed on three key strategic themes that relate directly to the public health challenges faced by Member States and the role of the scientific community, regulators and the European food industry in addressing these challenges. These strategic themes are detailed in Section 3.2 and are:

- **Strategic Theme 1:** Providing access to high quality and validated food composition data to address food quality, nutrition and public health challenges;
- **Strategic Theme 2:** Working with the food industry (especially SMEs) in Europe to address these challenges;
- **Strategic Theme 3:** Increasing understanding of the value of food composition data and its importance in helping consumers make healthier dietary choices.

The overall objectives of EuroFIR Nexus are:

- To ensure a sound and coherent quality and technical approach for food data collection, storage, handling, sharing and publication and increasing the visibility and implementation of the CEN Standard on food data and its application (WP1);
- To refine, develop and maintain a diverse set of food information tools and repositories available on the EuroFIR Portal in order to facilitate the exchange of standardised food information including food composition data across Europe and the World, which will empower the entire community of food information users to improve the quality and thus also the meaningfulness of their specific products and services (WP2);
- Further strengthen and build on EuroFIR's existing institutional commitment to durable integration via the expansion of the core FCDB compiler

organisation network (to include new FCDB compiler organisations from non-EuroFIR countries from within and outside Europe), new users and stakeholders, and refine strategy to attract new future income streams from a wide range of sources (WP3);

- To continue to spread excellence, training and skills enhancing the impact of EuroFIR in the development, management and exploitation of food composition data and new research tools for public health nutrition research beyond the network through training, and sharing of knowhow and facilities (WP4);
- To build on the successful approaches to dissemination, communication and stakeholder engagement, to provide targeted resources to support food data use by the scientific community, regulatory bodies, policy makers and industry, and by the general public, and to maximise the effectiveness of dissemination and potential uptake of tools and “best practice” procedures within both the scientific and end-user stakeholder communities (WP5);
- To direct and execute all management activities described in the Consortium Agreement and oversee the development and implementation of the long-term sustainability strategy together with Advisory Board by ensuring that (a) the EuroFIR Food Data Platform is embedded in the European research community, and (b) connection to all major stakeholders (user communities, related projects and developments in the food and health area) in close collaboration with all other WPs (WP6).

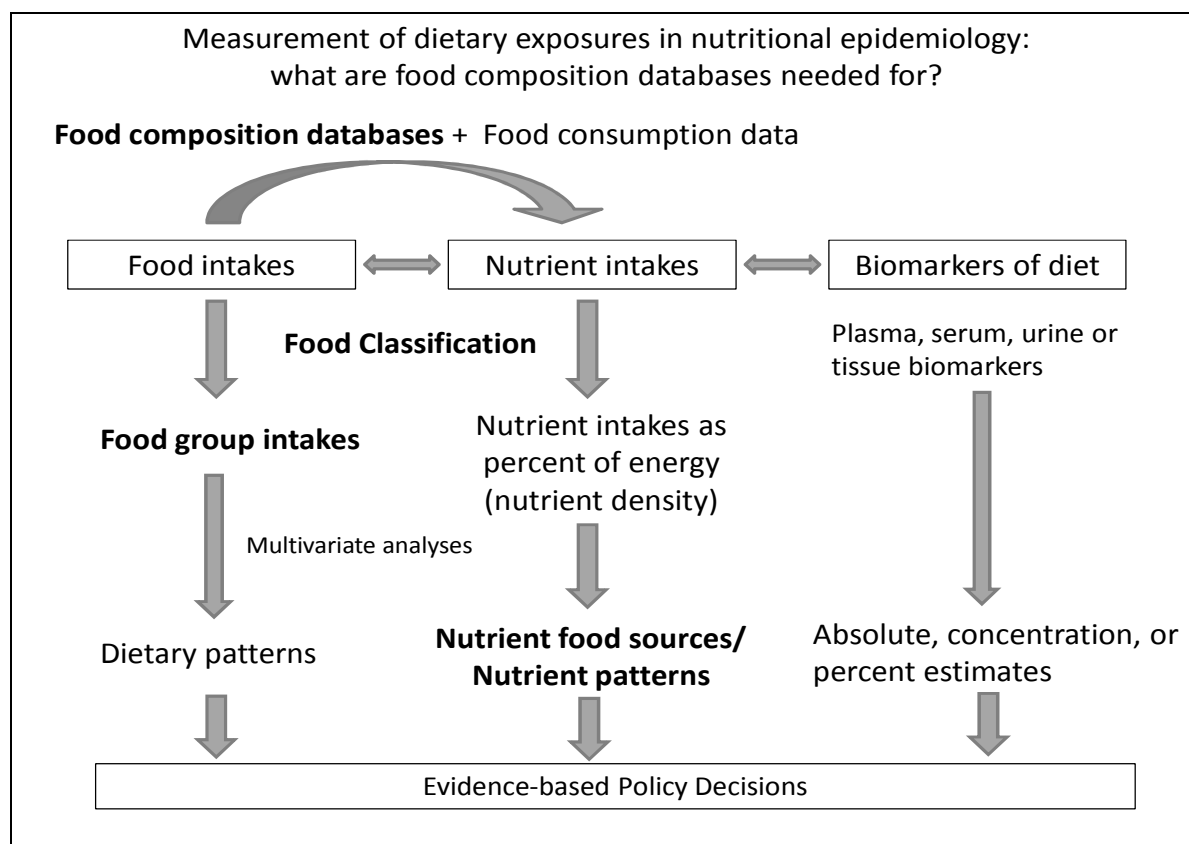
The target is to achieve full financial survivability for EuroFIR AISBL by the end of this project. Several actions are planned in order to further refine and implement a coherent, concise and consistent plan to deliver this target.

## **B 1.2 Contribution to the coordination of high quality research**

### **B.1.2.1 Overall Contribution to Activity 2.2**

The provision of up-to-date and validated food composition data on both nutrients and bioactive compounds of putative health benefits is an essential underpinning component for *Activity 2.2 – Fork to farm: Food (including seafood), health and well-being*. In particular, it is relevant for the following areas providing coordination/networking activities (WPs 4-6 including dissemination, spreading of excellence and management) and support activities (WPs 1-3 covering quality, systems implementation and business development).

**Figure 1:** Role of food nutrient databases and other food information required for the measurement of dietary exposure in nutrition and epidemiology research



In particular, EuroFIR Nexus contributes to four research areas of Activity 2.2:

In *Area 1.2.1 – Consumers*, EuroFIR Nexus will help to promote improved access to tools and information that can help to:

- Monitor more effectively and accurately food and nutrient availability;
- Provide greater quality consumer information and education;
- Improve recipe and menu analyses;
- Provide improved, more comprehensive, and more up-to-date food data for dietary surveys.

In *Area 1.2.2 – Nutrition*: EuroFIR Nexus will help to promote improved access to tools and information that can help to:

- Improve estimation/comparison of the nutrient content of foods across Europe;
- Enable more complete and exhaustive identification of the sources of particular nutrients and bioactive compounds;
- Improve analysis of individuals' diets for human nutrition studies and preparation of special diets for patients (e.g. heart disease, celiac disease);
- Improve research into how dietary intake effects health and disease outcomes at the pan-European level;
- Improve preparation of specialised diets for epidemiological research;
- Improve development of dietary guidelines;
- Improve nutrition labelling;

- Assist in the substantiation of nutrition and health claims.

In *Area 1.2.3 – Food processing*: EuroFIR Nexus will help to promote improved access to tools and information that can help to:

- Improve consumer understanding of food labelling, nutrient claims and nutritional labelling;
- Support greater innovation by industry for product development and reformulation especially SMEs;
- Support industry's marketing of food products to the consumer;
- Improve recipe and menu analyses for industry, especially SMEs.

In *Area 1.2.4 – Food quality and safety*: EuroFIR Nexus will help to promote improved access to tools and information that can help to:

- Improve risk and risk/benefit assessment of natural plant compounds used in food/feed, novel foods, botanical preparations, compounds with an associated health claim and new emerging bioactive substances (e.g. for EFSA);
- Improve and provide more comprehensive food description, classification and categorisation for food consumption surveys and risk/risk-benefit assessment.

The expected impact of EuroFIR Nexus will be a significant contribution to the structure of the European Research Area and the strengthening of the scientific and technological excellence in this field at the European level.

EuroFIR Nexus will contribute as well to the ETP 'Food for Life', in particular to Key Thrust 1 – Improving health, well-being and longevity.<sup>1</sup> This Key Thrust describes the research requirements in the key areas of consumer, nutrition and the food sciences. A number of areas have been identified by a broad range of stakeholders in which research investments are urgently needed to address knowledge gaps and, in the longer term, to provide European consumers with high quality and, wholesome and nutritious foods that will contribute to their health and well-being. Furthermore, this Key Thrust will contribute to ensuring that the European food and drink industry will remain in a leading position by mobilising the full potential of larger industries and of many SMEs.

#### **B.1.2.2 Meeting the needs of dietary assessment for risk-assessment and nutritional research**

A primary goal of nutrition research is to optimise health, and to prevent, delay or ameliorate the severity of disease. Determining optimal dietary intakes to maintain health requires a means of assessing the effects of macro and micronutrients, and non-nutrient bioactive compounds<sup>2</sup> of the diet on individual health. Fortunately there is now a good understanding of the basics of nutrient requirements but the next steps towards quantification of the relationship between nutrition and health have proved difficult. Although researchers in the area of food and health have adopted many modern biological approaches and technologies, one specific major nutrition-specific issue that remains to be overcome is the “input” (i.e. food and nutrient intake) issue.

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<sup>1</sup> Implementation Action Plan, published in 2008 and available at <http://etp.ciaa.eu>.

<sup>2</sup> This definition was published in: J Gry et al, TIFS **18**, 434-444 (2007)

The quantification of “exposure” through knowledge of food composition and dietary food intake - is essential in the investigation of the impact of food on health. Particularly in the case of cohort studies, the characterisation and quantification of intakes of foods, nutrients and other bioactive compounds with sufficient robustness, accuracy and precision remains a major challenge.

Within the European Prospective Investigation on Diet and Cancer (EPIC), a highly standardized computerized 24-hour diet recall program (EPIC-Soft) has been developed and validated as a reference calibration method amongst 10 European participating countries. More recently, the EFCOVAL project was initiated with the main purposes to develop further, adapt and validate the EPIC-Soft program, according to specific needs of future possible pan-European monitoring surveys. At the EFCOVAL closing conference (Utrecht, September 2009), it has been concluded that a combination of 2x24-hour dietary recalls (24-HDR) using EPIC-Soft are sufficiently valid to assess (in)adequacy of diet in national and comparative surveys in Europe. In population groups where a 24-HDR is not appropriate (e.g. young children), EPIC-Soft is proposed to be used as a data entry tool (e.g. for food records). For future pan-European monitoring, EFSA is considering EPIC-Soft as a possible solution to collect dietary data.

Furthermore, a web-infrastructure, the EPIC-Soft Methodological Platform (EMP), is currently being developed at IARC to facilitate the access, dissemination and maintenance over time of these international dietary tools [*projected completion: March 2010*]. The EMP will contain not only the EPIC-Soft program, but a series of applications, including a “maintenance tool” to prepare country/project specific EPIC-Soft versions, a tool for handling collected food consumption data (“interview management”), a mailing system, and online help and other features.

A closer integration between EPIC-Soft food occurrence data (i.e. EPIC-Soft exported consumption data) and food compositional data available in national FCDBs accessible through the EuroFIR platform would further strengthen a standardized dietary methodology *in* Europe. In addition, it would address requests from national food consumption data managers and other European stakeholders (e.g. EFSA).

Although standardized end-user nutrient databases have been developed in collaboration with the national food composition table compilers (so-called ENDB project for "*EPIC Nutrient Database*"), these databases have been handled so far outside the EPIC-Soft program and without benefiting from the recent advancements of EuroFIR (as EuroFIR started after the completion of the ENDB project). The current re-development of the pre-existing EPIC-Soft methodology at IARC (EFCOVAL project and internal IARC resources) requires further development of the interface between EPIC-Soft and FCDBs accessible via the EuroFIR Platform.

The inclusion of this link between EPIC-Soft food occurrence data and food compositional data available in national FCDBs accessible through the EuroFIR platform in EuroFIR Nexus (under WP2) has two aims:

- 1) To strengthen collaboration between existing initiatives (IARC and EuroFIR) in order to evaluate possibilities and define needs for an operational methodological tool for

future European projects (EPIC and related projects, future pan-European surveys), integrating both the food and nutritional components; and,

- 2) To evaluate the technological and methodological feasibility (i.e. proof of concept) of a web-based approach to link the EPIC-Soft Methodological Platform (EMP nested on an IARC web-site) and the EuroFIR platform.

### **B 1.3 Quality and effectiveness of the coordination mechanisms and associated workplan**

#### **B 1.3.1 Overall strategy and general description:**

The overall project design is shown in Figure 2 below.

- A “network” part on the left hand side, extending and strengthening the established network and integrating the EuroFIR AISBL and its members into the new project,
- A “data access and service” part in the centre, providing these towards the food and nutrition community, exploits the current network outputs and deliverables and feeds the construction of the Food Data Platform,
- Continuous monitoring and feedback from users and stakeholders will help shape and refine the tools and services.

Figure 2: Overall project design showing -

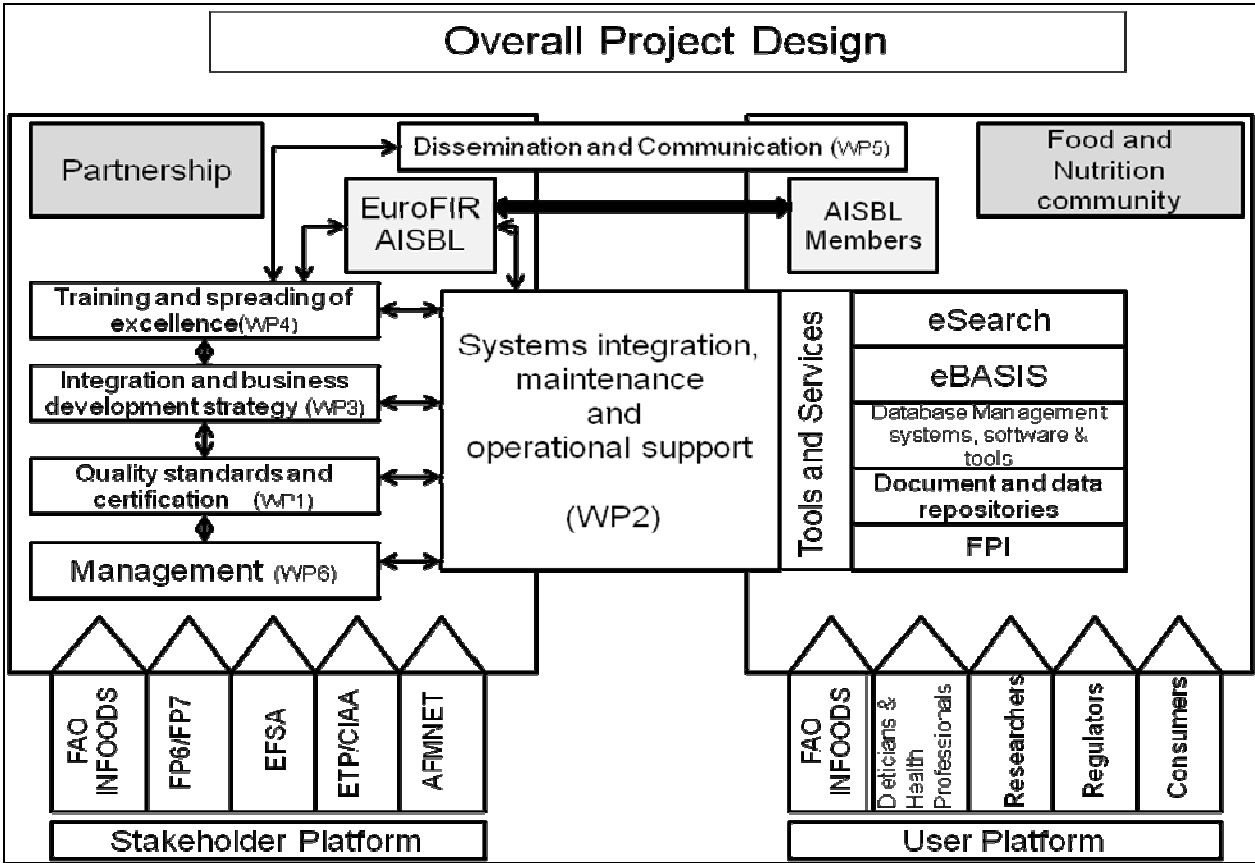
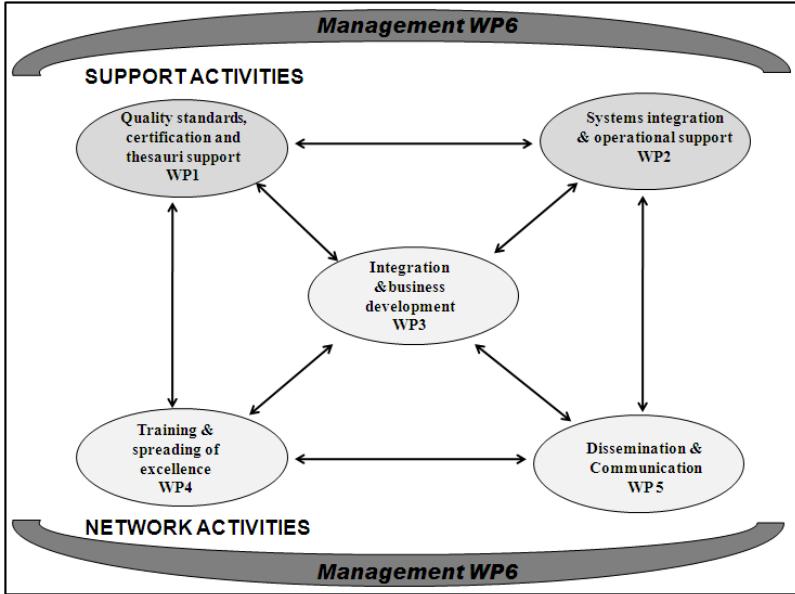


Figure 3: Interactions between Support, Network and Management Activities, and their respective WPs, with the central WP3 on 'Integration and Business Development Strategy' driving the technological and systems development (Support Activities), and stakeholder and training needs (WPs 4 & 5 - Network Activities) continuously providing feedback to improve the data access, tools and services.



### B.1.3.2 Significant risks, and associated contingency plans

The project contains a few elements of risk and these are described below, together with our contingency plans to address these elements. Of course, adequate management is essential to guide the project along these hurdles.

- **Significant risk:** Failure of partner to meet major deliverables to the extent that it endangers the outcome of the projects.

**Contingency Plan:** The Consortium Agreement will specifically deal with this issue. Essentially, the Executive Board will have the authority to transfer tasks between partners in the consortium, and the General Assembly will have the authority to change the composition of the consortium.

- **Significant risk:** Relevant technology developments and relevant generic approach developments outside the project are so fast that we might fall behind, and thus develop an outdated food data platform.

**Contingency plan:** Advances in technology will be continually monitored by the TSB, which comprises of several technology specialists and consultants (SMEs) in the area of information and food technology. The EuroFIR Platform (see WP5) is built on data interchange procedures using XML (eXtensible Mark-up Language), the *de facto* standard for interchange of data on the internet (and a key requirement of the CEN Food Data Standard; WP1). The EAB will continually monitor the status of the Food Data Platform and make recommendations for implementation of any new developments. This will be based on advice and suggestions from the TSB, which will have the task of monitoring external developments that may impact on the conceptual and technical development of EuroFIR Food Platform, and of proposing any necessary remedial action to the design or implementation of the data platform.

- **Significant risk:** The links between FCDB compiler organizations and users are not well-developed in several European countries and have been improved to some extent by EuroFIR. As a result, we might develop national FCDBs in a way that does not completely satisfy the immediate and future needs of the key users and stakeholders at the European level.

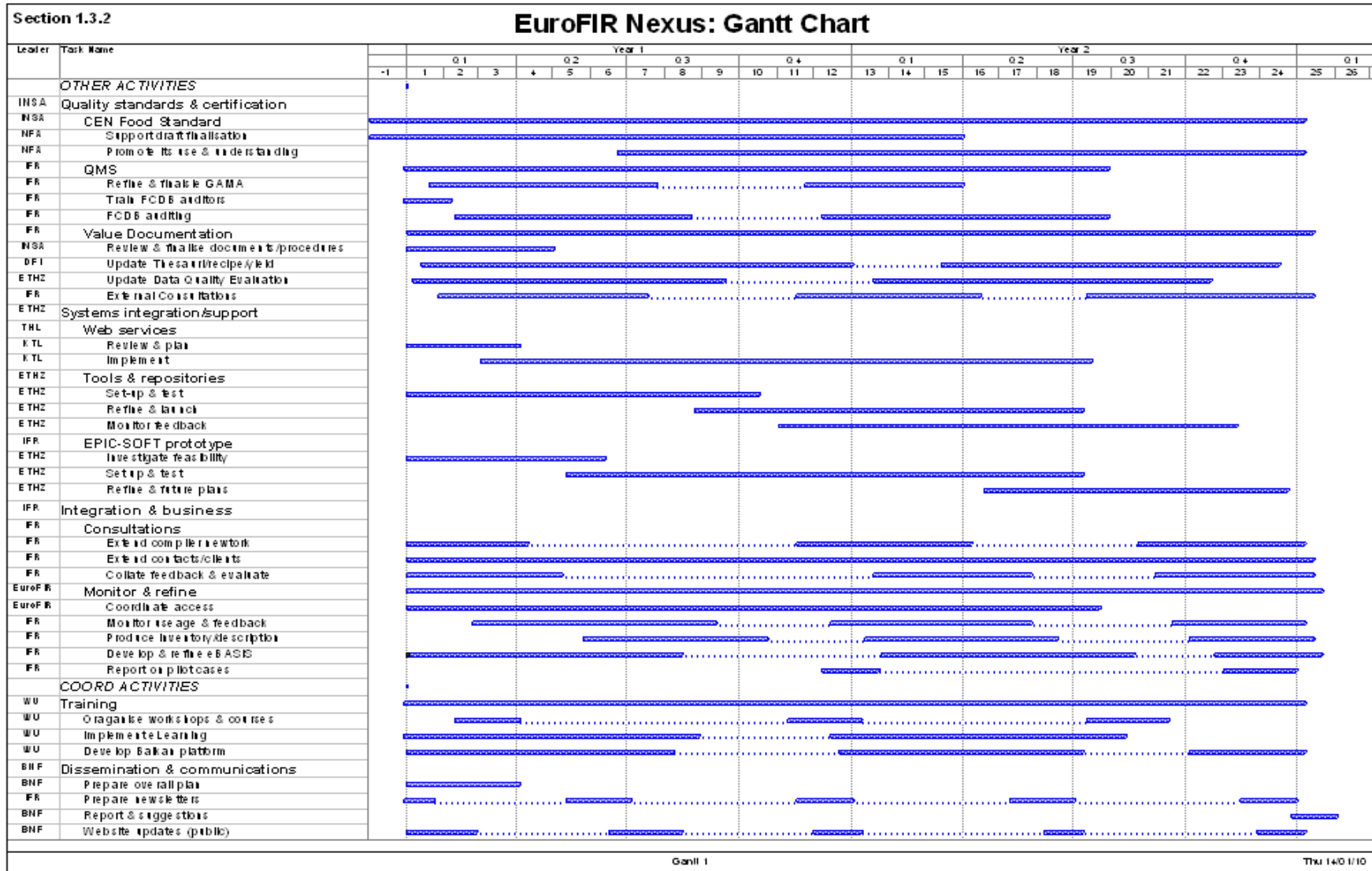
**Contingency plan:** This will be dealt with by close interaction between tasks in WP3 (Tasks 1-3). WP3 has a central role in driving the technological and systems development in order to meet the stakeholder and external user needs as identified by WPs 4 (training) and 5 (dissemination and communication). In WP3, each product and service will have a “*Curator/Owner*” who will work closely with the technical developers/managers and the business development manager (EuroFIR AISBL), as part of the overall sustainability strategy. The contingency plan will be based on continual evaluation of stakeholders' and external users' needs and ensuring that the various products and services being developed meet their requirements. The TSB will assess overall progress and make any necessary recommendations to the EAB for changes to the products or services being developed.



- **Significant risk:** A major user of food composition data is nutrition research, by involving the quantification of food and nutrient/non-nutrient bioactive intake, and this historically has an inherent problem. Especially for observational studies, no really accurate methods are available. Thus, there are currently limitations in the robustness of the translation of food composition data into information about food and nutrient intakes and hence health and well-being.

**Contingency plan:** The Milestone M2.5 is scheduled for M10 concerning the initial agreement for the framework and specifications on the EMP-EuroFIR web interface followed by the evaluation of the EPIC SOFT interface specification concept at M18. There will be sufficient time to revise the initial specifications on completion of the evaluation at M18.

Timing of work packages and their components:



Section 1.3.2

### EuroFIR Nexus: Gantt Chart



## **B2. IMPLEMENTATION**

### **B 2.1 Management structure and procedures**

The overall coordination and administration of this project will be undertaken by the dedicated management WP6. The project Coordinator is Paul M Finglas (IFR), who is currently the Coordinator for EuroFIR NoE (until 30/6/10), and Executive Director of EuroFIR AISBL. He will continue to co-ordinate EuroFIR Nexus and will be assisted by a dedicated Project Management Office (PMO) at IFR, which has longstanding and successful experience of administering and managing FP projects. The PMO will include an experienced part-time project manager (Dawn Wright) and administrator, together with financial, contracts and IPR/legal support by TOC and NautaDutilh BVBA/SPRL, Brussels. In addition, the PMO will be increasingly supported by the EuroFIR AISBL Office in Brussels, which will eventually assume overall responsibilities for activities after the end of this project. The transition of PMO to EUROFIR AISBL Office will be carefully implemented to ensure maximum possible support for long-term durable integration. The overall Coordination and Management of the Infrastructure is given in Figure 4.

Overall, the management structure and operation procedures of EuroFIR Nexus will deliver:

- Rapid and efficient communication with the EU commission;
- Efficient administration and project management of all activities;
- Appropriate problem and conflict solving;
- Facilitating the effective communication with external users and stakeholders.

The different components of the management systems will each operate at the:

- Operational level, ensuring that the project progresses as agreed in grant agreement with regard to overall progress, milestones, deliverables and planned resources facilitated through the TSB and supported by the PMO/EuroFIR AISBL Office, and
- Organisational level, optimising the infrastructural and administrative support to the project, with particular attention directed to finance and logistics, internal communication and information, coordination issues and overall impact and conformity to EC rules and procedures by the PMO/EuroFIR AISBL Office, and
- Strategic level, addressing unexpected situations in a timely and effective manner, forecasting towards future developments towards durable integration, and liaising with external stakeholders through the Executive Board/External Advisory Board.

A key goal of the project management scheme will be to afford sufficient flexibility to allow partners to conduct their work subject to achieving the agreed milestones, deliverables, cross-WP interactions; and durable integration goals. It will also be transparent and focussed on short and medium term activities.

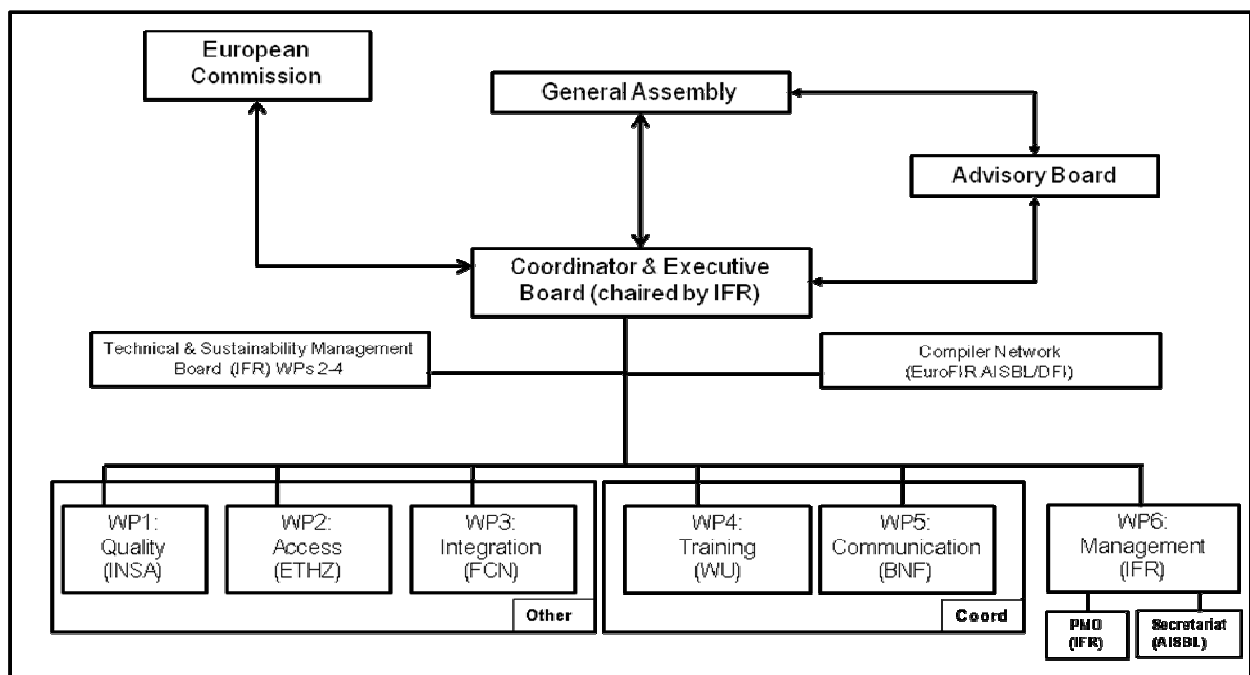
Internal communication will have the aim of ensuring that the project fully exploits the “team” spirit that has already been established during the development of this proposal and that potential problems are identified in a way that allows effective remedial actions to be taken. Project progress will be recorded and monitored through regular formal reports and procedures developed through the current EuroFIR NoE.

In particular, the use of newly developed and installed Contacts Relations Management software (CRM) will be increasingly utilised to manage all aspects of the project including:

- Contact details for all partner Beneficiaries, advisory board, stakeholders, and customers;
- Reports, deliverables and all other documents including publications and talks;
- Record of all email, telephone and telefax communications from/to the EuroFIR AISBL Office;
- Communication and transaction history with all contacts (all incoming and outgoing emails/faxes/correspondence) will be automatically logged for each contact so there is a complete history accessible to PMO/EuroFIR AISBL Office;
- Record of all invitations to, and attendance at events and meetings, with links to above information so there will be an integrated, immediate and complete picture of effectiveness and efficiency of communication and marketing campaigns, and events' organisation.

The CRM platform is intranet-based and available and integrated into the overall portal in WP5.

**Figure 4 : EuroFIR Nexus Management Structure**



- The Coordinator, together with the Executive Board, manages the project with mandate and responsibility to the General Assembly;
- The External Advisory Board guides the management for strategic issues;
- The Technical & Sustainability Management Board (TSB; representatives from WP-Ls 1, 2, 3 & 5) and WP-Ls are responsible for monitoring and reviewing progress, and discussing strategy, related to all technical and sustainability activities, and will feed advice and recommendations to the Coordinator/Executive Board.

### **2.1.1 Coordinator**

The Coordinator shall be responsible for:

- Communicating all information in connection with the Project to the European Commission (EC);
- Ensuring the signature of the Consortium Agreement and EC Grant Agreement;
- Receiving the entire financial contribution from the Commission and will manage this contribution by allocating it to the Consortium Partners pursuant to the Programme of Actions and the decisions taken by the Executive Board;
- Preparing annual accounts such that it is possible to inform them of the distribution of funds among the Consortium Partners, specifically the amounts allocated and the dates of payment to each Beneficiary;
- Preparing for the Executive and Technical & Sustainability Management Boards (EB & TSB, described below) the Project Deliverables based on the reports, supporting documents and audit certificate/s provided by the Beneficiaries;
- Chair the Executive Board/TSB meetings, prepare the minutes of each meeting to formalize all decisions taken and dispatch them to all members;
- Submitting the Project Deliverables to the EC, after prior validation by the EB/TSB;

### **2.1.2 Executive Board (EB)**

The Executive Board (EB) will be chaired by the Coordinator and comprise of all the Work Package Leaders (WP1-WP6), together with the Project Manager (IFR PMO), Chair of the EuroFIR AISBL's General Assembly and Business Development Manager (EuroFIR AISBL). Additional partner representatives may be invited to meetings of the EB in order to address particular issues.

The EB will meet formally at least twice a year and will be responsible for:

- Ensuring effective cross-workpackage communication and integration activities;
- Optimising and enhancing the overall impact of the project;
- Monitoring the overall progress of the project,
- Ensuring the project runs to schedule, and identifying unforeseen factors that may limit progress, recommending corrective actions that may be required, and (after agreement by the European Commission) implementing and monitoring such activities;
- Additional meetings will be organised on an ad hoc basis as required.

The EB consists of SEVEN individuals:

- Mr Paul M Finglas (Coordinator, IFR & Director, EuroFIR AISBL)
- Dr Maria Antonia Calhau (WP1 – Quality; INSA)
- Dr Paolo Colombani (WP2 – Access; Chair, EuroFIR AISBL; ETHZ)
- Dr George Chrysochoidis (WP3 – Business/Integration; FCN)
- Prof Peter Hollman (WP4 – Training; WU)
- Prof Judy Buttriss (WP5 – Dissemination; BNF)
- Mr Anders Møller (WP2 – Access DFI)

and supported by:

- Dawn Wright (WP6 – Project Manager; IFR);
- Simone Bell (WP3 – Business Development Manager, EuroFIR AISBL)

### **2.1.3 Technical & Sustainability Management Board (TSB)**

The TSB will consist of representatives (WP-Ls and Task Leaders) of WPs 1 (Quality), WP2 (Access), WP3 (Integration) and WP6 (Management) and will be chaired by the Coordinator. It will meet formally twice a year, and will also communicate using electronic transmission tools such as electronic mail, video-conference, telephone (Skype, Go-To-Meetings etc.). The TSB will:

- Discuss, explore and develop new technical requirements with regards design and implementation;
- Define and monitor quantitative & qualitative objectives of technical and integration activities;
- Recommendations for optimising information flows outside the project concerning all technical and sustainability activities;
- Provide sufficient and appropriate information on the progress to the EB;
- Support the coordinator in the risk assessment and management at the technical level.

The TSB Members are:

- Mr P M Finglas (Coordinator; WP-L 6 & WP1; IFR)
- Dr Paolo Colombani (WP-L 2; WP1; ETHZ)
- Anders Møller (WPs 1 & 2; DFI)
- Heikki Pakkala (WPs 2; THL)
- Ian Unwin (WPs 1 & 2; IDUFIC)
- Prof Barbara Koroušić Seljak (WP2; JSI)
- Dr George Chryssochoidis (WP3; FCN)
- Simone Bell (WP3; EuroFIR AISBL)
- Prof Judy Buttriss (WP5; BNF)

Other experts may be asked to join the TSB during the course of the project for specific tasks and activities.

### **2.1.4 General Assembly**

The General Assembly (GA) is the formal authority of the EuroFIR Nexus project and consists of executive representatives of all beneficiaries. These representatives are also part of the General Assembly of EuroFIR AISBL and this set-up has been deliberately chosen to:

- Guarantee commitment of all partners to the development and exploitation of EuroFIR Nexus at the Executive Level of each beneficiary, and
- Embed and integrate the EuroFIR Nexus consortium in a sustainable organization (EuroFIR AISBL) explicitly founded for this purpose and designed to achieve long-term integration of EuroFIR NoE. The General Assembly will meet on a yearly basis in Brussels.

The Executive Board will be responsible to the GA for decisions of major impact (e.g. major budget reallocations, stakeholder requests, IPR and new funding initiatives.). These issues will be fine tuned in the Consortium Agreement as necessary.

### **2.1.5 External Advisory Board**

The External Advisory Board (EAB) serves to maintain optimal contact with, and guidance by all relevant stakeholders including:

- National food database compiler organisations;
- European food and nutrition research groups;
- European food and nutrition industry;
- European dieticians and health professionals;
- EC bodies;
- Generic food and technological infrastructure projects;
- International food and health research organisations.

The following individuals have agreed to join the board:

- Dr Jan Maat (Director External Research, Unilever Research & Development Vlaardingen and Managing Director, Top Institute Food and Nutrition, Wageningen, The Netherlands);
- Dr Ludger Fischer (UEAPME, BE);
- Dr Barbara Burlingamme (FAO INFOODS Coordinator, IT);
- Prof Hettie Schonfeldt (AFROFOODS Coordinator; University of Pretoria, South Africa).
- Prof Anne E de Looy (Coordinator DIETS Thematic Network, School of Health Professionals, University of Plymouth, UK);
- Prof Arne Oshaug (Faculty of Health, Nutrition and Management, Akershus University College, Lillestrøm, Norway);
- Prof Rickey Yada [Canada Research Chair in Food Protein Structure; Scientific Director Advanced Foods and Materials Network (AFMNet) & International Collaboration in Food Research; Department of Food Science, University of Guelph, Canada).

The composition of the External Advisory Board may change on demand, on guidance of the EC and GA. The role and goal of this Advisory Board will be to ensure:

- that the EuroFIR Food Platform will be further strengthen and embedded in the food and nutrition research thus contributing to the structuring of the European Research Area and the continued leadership of Europe in this area;
- that training and career development of future generations of Europe's scientists and technologists takes account of the expertise being developed in the European Food Data Platform;
- that the deliverables, other outputs, products and tools are fine-tuned to the needs of the stakeholders;
- that the dissemination of the deliverables and other tools function optimally;
- that new funding initiatives and opportunities are fully exploited for long-term financial self-sustainability and durable integration of the partner organizations;



- that European industries are able to capitalise on developments at the earliest opportunities.

The External Advisory Board will meet once annually, in conjunction with an Executive Board meeting. A priority will be to develop and exploit effective dissemination strategies to the whole of Europe, including WBC (Croatia, the Former Yugoslav Republic of Macedonia, Albania, Montenegro, Serbia & Bosnia & Herzegovina), ICPC in Eastern Europe and Central Asia (EECA; Armenia, Georgia, Russia, Moldova and Ukraine), Mediterranean Countries (MPC; Algeria, Egypt, Jordan, Tunisia, Syrian Arab Republic and Morocco), and Latin American countries (Argentina, Chile, Brazil and Costa Rica).

Initially, this will be addressed by active collaboration with other projects and platforms including the ETP Food for Life (which has developed a network of ca 29 national food platforms in all parts of Europe including Russia, Ukraine, Serbia and Israel); BaSeFood (a network on 13 partners including several from the Black Sea Countries); NDCEE (a capacity building network in food and nutrition with members from across C/E Europe and led by IMR); FAO INFOODS (a global network of national food database compiler organizations); MEFOODS & GULFOODS in Europe and Central Asia (EECA) countries and bordering regions (e.g. Mediterranean Partner Countries covering the Middle East and North Africa countries); and Latinfoods (through an existing MoU with EuroFIR). These interactions will be used to facilitate communication across Europe. The level and impact of such dissemination will be a regular item on the External Advisory Board agenda.

### **2.1.6 Work packages (WP's) & Work package-Leaders (WP-L's)**

Each WP will be led by an experienced WP-L, who have been selected for their enthusiasm, inter-personal skills and experience of trans-national cooperation, and will take responsibility for organising and monitoring their WPs and reporting on progress to the CO/EB. In addition to face-to-face meetings, telephone and video-conferencing facilities will be employed wherever possible and appropriate to ensure regular and effective communication within and between WPs, and optimise time, travel and financial resources.

WP-Ls will be responsibility for technical management and co-ordination of the day-to-day activities of their respective workpackages as described in Section 1.3. In particular, their tasks include:

- Providing sufficient and appropriate information on the progress to the TSB and Project Coordinator on request and for periodic annual reporting;
- Assuring adequate communication and interfacing with other WPs so activities are co-planned and co-implemented across WPs, where appropriate;
- Responsibility for any financial budgets as agreed by the CO/EB;
- Co-operation with the Project Coordinator and the TSB to ensure that the key milestones and deliverables are achieved on target and materials for reports and dissemination activities are supplied to agreed timescales;
- Assuring appropriate risk analysis is implemented within the WP.

### **2.1.7 Summary of management meeting**

- The yearly EuroFIR Nexus Meeting will host:
  - The External Advisory Board meeting;
  - An Executive Board meeting;
  - Meetings of all individual WPs
  - A Technical & Sustainability Management Board Meeting (TSB);
  - The General Assembly meeting of the project combined with the General Assembly Meeting of EuroFIR AISBL.
  
- Each WP will organise at least one other internal progress meeting each year either using telephone/video conferencing or in person.
  
- The Executive Board will meet at least on one other occasion each year and also organise quarterly telephone/video conferencing meetings.

The venues for these meetings will be selected to optimise internal communication and allow external promotion of the activities of the project especially the application of the Food Data Platform and its tools. Meetings will be hosted in Brussels at the EuroFIR AISBL Offices for smaller EB/TSB Meetings (allowing for convenient travel and networking with key stakeholders from industry, DG Research and others), and with the ETP Food for Life National Food Platforms and other appropriate international conferences and workshops. Additional funding from the EuroFIR AISBL and sponsorship will be provided, wherever possible, to maximise the attendance and impact of these Annual Meetings.

### **2.1.8 Management of knowledge and intellectual property**

#### *General principles:*

The Coordinator and the PMO will oversee the continual promotion of a collaborative culture, capturing, and sharing the collective expertise of EuroFIR Nexus, and to promote its dissemination and exploitation, in order to fulfil the project’s objective of long-term durable integration. The current reporting and dissemination/publication procedures developed and fine tuned over the last 5-6 years will continue (albeit at a more streamlined level for a project of this size).

The protection, management and transfer of knowledge including IPR is a key strategic issue for the project’s long-term self-survivability and sustainability. EuroFIR Nexus is fully committed to disseminate the knowledge and applications generated and, where appropriate, in the transformation of knowledge and tools into economic value, to bring about their full impact. The management of knowledge and IPR will be specified in the Consortium Agreement (CA). In drafting the plan for the use and dissemination of foreground knowledge, the Consortium will consider “combining” some of the foreground IPR and entrusting to a single legal entity its management (e.g. EuroFIR AISBL).

The use of food data within the project is available for both beneficiaries and third parties, which are members of EuroFIR AISBL, and can be accessed via the EuroFIR eSearch facility and EuroFIR eBASIS. Data use by Members and third parties cover:

- Own research (e.g. calculation of nutrient values, data evaluation);
- Publications (e.g. scientific communications in journals and other publications, non-scientific publications, online databases, food product labels, PowerPoint presentations and data use in connection with consultation not related to research). This data use is subject to specific national license agreements and to the inclusion of appropriate acknowledgements and/or references, and normal copyright rules and regulations.

An SOP outlining third party access rights for food composition data from EuroFIR AISBL members and future access to EuroFIR eSearch and eBASIS by member institutions is available.

*Ownership of results and data management:*

As shall be specified in the CA, foreground resulting from the project belongs to the beneficiary generating it; when foreground is generated with more than one beneficiary, it will be owned collectively unless prior agreements have been made. On specific outputs (e.g. software tools, databases), joint or collective ownership will be initially defined in the CA so that these beneficiaries may agree, for instance, that any databases may be maintained by one (or more) beneficiaries on behalf of the others. Joint or collective ownership arrangements will also clarify management issues concerning the sharing of any revenues or profits, taking into account national joint ownership regimens, and the Articles of Association of EuroFIR AISBL.

The EuroFIR eSearch platform consists of a network of servers based in a distributed configuration using client – mediator – server applications. The prerequisite of the EuroFIR platform is that the national databases communicate between themselves and with the EuroFIR eSearch using a standardized XML template, the EuroFIR Food Data Transport Package (FDTP), for data transfer. Data are requested from the eSearch facility using a RESTful technique and the local (national) servers respond by sending the requested food information in the standard FDTP format back to the EuroFIR eSearch facility.

Of the current 28 national datasets (not including specialized and historical datasets) in the EuroFIR eSearch facility, 26 national datasets are currently connected with 9 hosted by the national FCDB compiler organisations (beneficiaries and third parties), and 17 hosted by the EuroFIR AISBL in Belgium by Serso, who maintains these servers. Data access is administered by EuroFIR AISBL staff and Serso technical support. The EuroFIR eSearch facility contains detailed value documentation and metadata on the national data, which can be accessed. This documentation includes also information on the data source, i.e. the country of origin and data ownership, i.e. the compiler institution responsible for the data.

IARC will retain the full ownership of EPIC-SOFT and its related programs, tools, databases and manuals and protect them as pre-existing know-how (PEKH). These rules shall apply to any developments and new knowledge related to the ‘EPIC-Soft Methodological Platform’ (EMP), its tools, procedures and manuals developed before, during and after this project. This ownership shall be acknowledged in any documents, scientific papers or presentations related to the EPIC-SOFT methodology (incl. EMP), and shall not prevent IARC to publish, develop further EPIC-SOFT (and its related tools) or establish any other collaborations. As a counter

part, IARC will make free access of its EPIC-SOFT methodology to the partners of the project for the specific tasks detailed in the project proposal. IARC considers the development of the conceptual part as an integrated part of the EMP for which the technical implementation will be done outside of this project.

*Transfer of ownership:*

Agreed procedures by the EB/GA for acknowledgement by all beneficiaries of any transfer of ownership will be established, ensuring the correct information of all beneficiaries and especially the transfer of obligations related to that specific foreground. When commercial exploitation of knowledge is feasible and does not deter from the objectives of EuroFIR Nexus, including dissemination, the transfer of ownership, under fair conditions, will be facilitated towards beneficiaries and third parties that might exploit the knowledge.

Development of generic licensing agreement: EuroFIR AISBL/IFR has established a workflow and corresponding licensing agreement documents, which allow the use of food composition data from European countries (beneficiaries) for commercial purposes, e.g. in nutrition software, kitchen scales, online health portals. EuroFIR AISBL coordinates the commercial use of food composition data from national food composition databases linked with EuroFIR by customers who are non-Members. This enables EuroFIR AISBL to act as an interface between the customers and the national compiler institutions (beneficiaries) increasing commercial opportunities for beneficiaries. Additionally, FCDB compiler organisations who are beneficiaries and third parties will be required to sign a declaration stating that their data management and security comply to national and European (if appropriate) regulations. This encompasses all data collection, data transfer to EuroFIR, and any types of data use via EuroFIR AISBL.

*Protection and use of results generated under EuroFIR Nexus:*

The Coordinator/EB will have the responsibility to monitor regularly, with the support of the beneficiaries, whether any new kind of valuable foreground emerges from EuroFIR Nexus. In particular, where new results are capable of industrial or commercial application they will be protected in an adequate and effective manner, having due regard to the legitimate interests of all beneficiaries, in view of the use of foreground both in further development and/or exploitation. When beneficiaries have developed foreground capable of industrial or commercial application but do not intend to protect it, the Coordinator/EB will verify whether other beneficiaries are interested in its protection.

*Access rights to Background:*

Before defining the CA, all beneficiaries will define clearly the background available (e.g. existing EuroFIR outputs and data) needed by each other so that the project can achieve its objectives. This inventory of background information from EuroFIR NoE has already been completed as part of the potential exploitation of EuroFIR outputs and services especially those with commercial potential. These form an integral part of the activities of EuroFIR AISBL and given in the Association's Statues.

*Access rights to foreground:*

This will be granted if the requesting beneficiary needs access to carry out the planned activities. In the context of a collaborating culture, that seeks to maximise the use of data collected within plans, the Coordinator will work with beneficiaries on a case-by-case basis, with all due care and in good faith, to assess needs, using conflict resolution mechanisms as needed.

## **B 2.2 Beneficiaries**

### **Beneficiary 1 (Coordinator): Institute of Food Research (IFR), United Kingdom**

**IFR** (<http://www.ifr.ac.uk/>) is situated within the Norwich Research Park; together with the nearby University of East Anglia, John Innes Centre for Plant Science Research, Norfolk and Norwich University NHS Hospital, the site possesses the largest number (>1000) of biological scientists in the UK and one of the largest in Europe. IFR has been, and remains, a significant contributor to the European Union's Framework Programmes in the area of food and health. It has participated in over one hundred projects in FP5 and FP6, coordinating a significant proportion of them, e.g. EuroFIR, EUROPREVALL and REPRO in FP6. IFR, as part of its remit to train food scientists, has made a significant contribution to the Marie Curie programmes, providing placements for individual fellows and acting as a participating centre for training networks. In FP7 it is currently involved in over 20 projects from the Cooperation, People and Capacities pillars.

**Role:** IFR is the overall coordinator; leads WP6 (Management) and chairs the EB and TSB; contributes to WP1 (certification and thesauri management); WP2 (eBASIS); WP3 (sustainability and business development) and WP5 (dissemination and communications). It also provides the UK food composition nutrient dataset.

#### **Profile of key staff members:**

*Paul Finglas* is Head of the Food Database Exploitation Platform, Research Leader in Plant Natural Products for Health. He is current Coordinator for both EuroFIR NoE and Eurofoods (INFOODS network). He is an experienced food and nutritional scientist with over 150 publications in food composition and nutrition research specialising on vitamin nutrition and health. He has considerable experience in co-ordinating national and international projects. He has participated in six EU funded projects since 1989, co-ordinating three projects in FP4-6. He was a member of COST 99, co-chairing the working group on Data Quality and is currently the UK representative on CEN/275/WG9 and TC387 groups on vitamins and food data. He has provided expert advice to a number of bodies including the Food Standards Agency (FSA), British Council, FAO and EU. He is also Editor of the journals Food Chemistry and Trends in Food Science and Technology.

*Jenny Plumb* is an analytical chemist and has experience in the analysis of bioactives in foods. She is Database Manager for EuroFIR's eBASIS bioactives database and is currently working in the PlantLIBRA (FP7) project on bioactives compounds from nutritional supplements and

plant herbal extracts. *Mark Roe* is a nutritional biochemist with over 10 years experience in the design and use of food composition tables and dietary assessment tools for nutritional research. *Hannah Pinchen* is a biologist (University of East Anglia, UK) with an MSc in Applied Human Nutrition (Oxford Brookes University, UK) who is currently working on the UK food composition project.

## **Beneficiary 2: European Food Information Resource (EuroFIR AISBL), Belgium**

One of the key achievements of EuroFIR was the establishment of the new EuroFIR AISBL (*Association Internationale Sans But Lucratif*; <http://www.eurofir.net>), a legal entity established in 2009 (by IFR, WU, SLU, BNF, DTU, UCC, UL, FCN & DFI) as an international, non-profit association based in Belgium. EuroFIR AISBL is a member-based association, which builds upon scientifically based development, publication and exploitation of food composition data (FCD) as well as accompanying information in order to support and underpin research into food quality and safety, and nutrition.

**Role:** EuroFIR AISBL is WP-L for WP3 and contributes to WPs 1 (thesauri management), 2 (maintenance and development of eBASIS), 5 (dissemination and communication activities) & 6 (management). It also coordinates the involvement of several 3<sup>rd</sup> parties.

### **Profile of key staff members and third parties**

*Paul Finglas (IFR, UK)* – is the Executive Director (see IFR, Beneficiary 1 above).

*Dr Paolo Colombani (DFI, DK)* – is the Chairperson of EuroFIR AISBL (see ETH, Beneficiary 8 below).

*Simone Bell (Business Development Manager/Technical Manager, EuroFIR AISBL)* – joined EuroFIR AISBL in Jan 2010 and has a degree in Nutrition Sciences and Home Economics from the University of Applied Sciences (Niederrhein, Germany). She has expertise in food composition databases, customer relationships, and advertisement campaigns for pharmaceutical products throughout Europe. She was previously employed by the Federal Research Institute for Nutrition and Food in Karlsruhe, was part of the SwissFIR team at ETHZ with responsibilities for the Swiss Food Composition Database.

The *EuroFIR AISBL Executive Board* consists of Dr Paolo Colombani (Chair; SwissFIR Leader & Consumer Behaviour, ETH Zurich, CH; see Beneficiary 8); Dr George Chryssochoidis (Deputy-Chair; FCN; see Beneficiary 3); Anders Møller (Chair; DFI, DK); Prof Peter Hollman (Division of Human Nutrition, Wageningen University, NL; Beneficiary 5); Dr Irene Mattisson (Senior Nutritionist, NFA; see Beneficiary 10); and Dr Maria Antónia Calhau (Head, Food and Nutrition Department, Portuguese National Institute of Health, PT; see Beneficiary 15).

A number of *third parties*, which are *ALL Members of EuroFIR AISBL*, will participate in *EuroFIR Nexus* and are sub-divided into main three group types:

1. National FCDB compiler organisations providing additional technical support and national food composition data;

2. National FCDB compiler organisations (participating in WP3 alone) and providing national food composition data;
3. Non-FCDB compiler organisations providing just technical and other expertise.

A full list of third parties is given in Table 1 below:

**Table 1: Third Parties participating in EuroFIR Nexus and linked to EuroFIR AISBL**

Third Party Organisation and Country	Main Contact	Group	Budget Allocation
National Institute of Public Health and the Environment (RIVM), NL <a href="http://www.rivm.nl/">http://www.rivm.nl/</a>	Susanne Westenbrink <a href="mailto:Susanne.Westenbrink@rivm.nl">Susanne.Westenbrink@rivm.nl</a>	1	3.5 person months *(€25765) + travel and subsistence. Requested EU Contribution €23189
Istituto per lo Studio e la Prevenzione Oncologica (ISPO), IT <a href="http://www.ispo.toscana.it/">http://www.ispo.toscana.it/</a>	Simonetta Salvini <a href="mailto:s.salvini@ispo.toscana.it">s.salvini@ispo.toscana.it</a>	1	2.0 person months *(€3877) + travel and subsistence Requested EU Contribution €3457
The Jožef Stefan Institute (JSI), SI <sup>3</sup> <a href="http://www.ijs.si/ijsw/JSI">http://www.ijs.si/ijsw/JSI</a>	Assoc Prof Barbara Koroušić Seljak <a href="mailto:barbara.korouasic@ijs.si">barbara.korouasic@ijs.si</a>	1	3.5 person months *(€15953) + travel and subsistence Requested EU Contribution €14358
Nutriënten België vzw, BE <a href="http://www.nubel.com">www.nubel.com</a>	Mrs Carine Seeuws <a href="mailto:carine.seeuws@health.fgov.be">carine.seeuws@health.fgov.be</a>	1	0.5 person months *(€3310) + travel and subsistence Requested EU Contribution €3310
Hellenic Health Foundation, GR <a href="http://www.hhf-greece.gr">http://www.hhf-greece.gr</a>	Prof. Antonia Trichopoulou <sup>4</sup> <a href="mailto:atrichopoulou@hhf-greece.gr">atrichopoulou@hhf-greece.gr</a>	1	0.5 person months *(€2401) + travel and subsistence Requested EU Contribution €2000
National Food & Nutrition Institute, PL <a href="http://www.izz.waw.pl">http://www.izz.waw.pl</a>	Prof. Hanna Kunachowicz <a href="mailto:h.kunachowicz@izz.waw.pl">h.kunachowicz@izz.waw.pl</a>	1	0.5 person months *(€600) travel & subsistence Requested EU Contribution €535
Health Education and Disease Prevention Centre, LT <a href="http://vasc.sam.lt">http://vasc.sam.lt</a> or <a href="http://smlpc.lt">http://smlpc.lt</a> .	Mr. Albertas Barzda <a href="mailto:rnc@vilnius.omnitel.net">rnc@vilnius.omnitel.net</a>	1	0.5 person months *(€631) + travel and subsistence Requested EU Contribution €562

<sup>3</sup> JSI signed a MoU with EuroFIR NoE in 2008 and has participated in several courses and meetings.

<sup>4</sup> HHF took over the national FCDB responsibilities for Greece from then original EuroFIR partner (NKUA), but the ownership of the Greek food data remains with Prof Antonia Trichopoulou. HHF is a member of EuroFIR AISBL and replaces NKUA in EuroFIR Nexus as a third party to EuroFIR AISBL.

TÜBITAK Marmara Research Centre, TR <a href="http://www.Tubitak.gov.tr">http://www.Tubitak.gov.tr</a>	Ms Gül Biringen Löker <a href="mailto:gul.biringen@mam.gov.tr">gul.biringen@mam.gov.tr</a>	1	1.0 person months *( €4000) + travel and subsistence Requested EU Contribution €4000
National Center of Public Health Protection, BG <a href="http://ncphp.government.bg">http://ncphp.government.bg</a>	Assistant Professor Desyslava Gyurova <a href="mailto:d.guirova@ncphp.government.bg">d.guirova@ncphp.government.bg</a>	2	Travel and subsistence only
Max Rubner Institute, DE <a href="http://www.mri.bund.de">http://www.mri.bund.de</a>	Mr. Bernd Hartmann <a href="mailto:bernd.hartmann@mri.bund.de">bernd.hartmann@mri.bund.de</a>	2	Travel and subsistence only
Matís Food Research, Innovation & Safety, IS <a href="http://www.matis.is">http://www.matis.is</a>	Ólafur Reykdal <a href="mailto:olafur.reykdal@matís.is">olafur.reykdal@matís.is</a>	2	Travel and subsistence only
Food Centre of Food and Veterinary Service of Latvia, LV <a href="http://www.pvd.gov.lv">http://www.pvd.gov.lv</a>	Dace Santare <a href="mailto:dace.santare@pvd.gov.lv">dace.santare@pvd.gov.lv</a>	2	Travel and subsistence only
University of Granada <a href="http://www.ugr.es">http://www.ugr.es</a>	Prof Emilio Martinez-Victoria <a href="mailto:emiliom@ugr.es">emiliom@ugr.es</a>	2	Travel and subsistence only
University of Vienna, AT <a href="http://www.univie.ac.at">http://www.univie.ac.at</a>	Prof. Dr. Ibrahim Elmadfa <a href="mailto:ibrahim.elmadfa@univie.ac.at">ibrahim.elmadfa@univie.ac.at</a>	2	Travel and subsistence only
IDUFIC, UK (an SME)	Ian Unwin <a href="mailto:ian@ianunwin.demon.co.uk">ian@ianunwin.demon.co.uk</a>	3	3.0 person months *(€18310) + travel and subsistence Requested EU Contribution €14695
Polytec Nivå, DK (an SME)	Erik Nørby <a href="mailto:polytec@tiscali.dk">polytec@tiscali.dk</a>	3	3.5 person months *(€45066) + travel and subsistence Requested EU Contribution €38175
TTZ, DE	Claudia Krines <a href="mailto:krines@ttz-Bremerhaven.de">krines@ttz-Bremerhaven.de</a>	3	2.0 person months *( €9112) + travel and subsistence Requested EU Contribution €8656
Graz University of Technology, Institute of Biochemistry, Functional Food Group (GUT), AT <a href="http://www.tugraz.at">http://www.tugraz.at</a>	Assoc Prof Michael Murkovic <a href="mailto:michael.murkovic@tugraz.at">michael.murkovic@tugraz.at</a>	3	Travel and subsistence only
Food and Environment Research Agency (Fera), UK <a href="http://www.fera.defra.gov.uk/">http://www.fera.defra.gov.uk/</a>	Amanda Reynolds <a href="mailto:amanda.reynolds@fera.gsi.gov.uk">amanda.reynolds@fera.gsi.gov.uk</a>	3	0.25pm *(€1159) + travel and subsistence Requested EU Contribution €1159
Norwegian Food Safety	Rønnaug Aarflot Fagerli	3	0.5 person months *(€1800) + travel and



Authority, NO <a href="http://www.fisheries.no/">http://www.fisheries.no/</a>	<a href="mailto:Ronnaug.Aarflot.Fagerli@mattilsynet.no">Ronnaug.Aarflot.Fagerli@mattilsynet.no</a>		subsistence Requested EU Contribution €1605
Agricultural University of Athens, GR <a href="http://www.agribusiness.aua.gr">http://www.agribusiness.aua.gr</a>	Assistant Professor Maria Kapsokfalou <a href="mailto:kapsok@aua.gr">kapsok@aua.gr</a>	3	1.0 person months *( €3360) + travel and subsistence Requested EU Contribution €2996
University of Helsinki <a href="http://www.helsinki.fi/university/index.html">http://www.helsinki.fi/university/index.html</a>	Prof Vieno Piironen <a href="mailto:vieno.piironen@helsinki.fi">vieno.piironen@helsinki.fi</a>	3	1.5 pm *(€6058) + travel and subsistence. Requested EU Contribution €5400
University of Leeds <a href="http://www.leeds.ac.uk/">http://www.leeds.ac.uk/</a>	Dr Santosh Khokhar <a href="mailto:S.Khokhar@food.leeds.ac.uk">S.Khokhar@food.leeds.ac.uk</a>	3	1.0 pm *(€5148) + travel and subsistence Requested EU Contribution €4360

(\*Total costs as shown in WT8 Project efforts and costs Part A)

### **National Institute of Public Health and the Environment (RIVM), NL:**

RIVM is a recognized leading centre of expertise in the fields of health, nutrition and environmental protection. Since 2008, RIVM is a WHO Collaborative Centre for Nutrition. RIVM works mainly for the Dutch government and shares its knowledge with governments and supranational bodies around the world. The results of RIVM research, monitoring, modelling and risk assessment are used to underpin policy on public health, food, safety and the environment. The Centre for Nutrition and Health is one of 4 departments <http://www.rivm.nl/> supports public health by providing the scientific evidence and basis for policy making on diet, nutrition and health.

**Role:** Providing food data and information for the Netherlands; Contributing to quality and certification tasks in WP1, and EPIC-SOFT interface in WP2; and participating in Compiler Network (WP3) feedback on usability and testing studies.

#### *Profile of staff members:*

**Susanne Westenbrink** is working as a senior research dietician at RIVM. Previously she has been working in food consumption surveys and clinical trials both at Wageningen University and at TNO Quality of Life Institute, Zeist. Since 1995 she has been working as a compiler of the Netherlands Nutrient Database (NEVO database) including development of new Food Database Management Systems, publishing printed versions of the NEVO food composition table, and recently NEVO-online ([http://www.rivm.nl/nevo\\_en/](http://www.rivm.nl/nevo_en/)). Since 1996 she has been a lecturer in the VLAG International Graduate Course on Production and Use of Food Composition Data in Nutrition. She has been involved in the EuroFIR project as the principal representative initially for TNO and later for RIVM, where she contributed to the work on quality standards.

**Martine Jansen-van der Vliet** is working as a research dietician at RIVM (National Institute for Public Health and the Environment), Bilthoven, The Netherlands. Previously she has been

working as a research dietician in food consumption surveys and clinical trials both at Liverpool University, U.K. and at TNO Quality of Life Institute, Zeist, The Netherlands. She has been involved in the EuroFIR project, contributing to the work on 'Ethnic Foods' and 'Quality standards'.

**Caroline van Rossum** studied Nutrition and Dietetics at the "Haagse Hogeschool" in The Hague and Human Nutrition at Wageningen University. In 1993 she received her MSc degree. She started working as data manager for clinical research at Solvay Duphar in Weesp. In 1994 she started her PhD project at the Department of Public Health and the Department of Epidemiology of the Erasmus University in Rotterdam. As post-doc she worked on genetic variability in diet induced weight gain at the National Institute for Public Health and the Environment (RIVM) in Bilthoven. Since 2003 she is working on several projects including the Dutch national food surveys, modelling health effects of nutrition and possible impact of nutritional policies on public health and the Dutch food composition database.

### **Istituto per lo Studio e la Prevenzione Oncologica (ISPO), IT:**

ISPO has taken over the rights and obligations of Centro per lo Studio e la Prevenzione Oncologica (CSPO) as of 1/7/08 and is the current EuroFIR partner. ISPO operates in prevention of social diseases especially cancer screening programs and rehabilitation of cancer patients; prevention through the collection of data on cancer incidence. The Unit of Molecular and Nutritional Epidemiology is aimed at conducting studies on the evaluation of cancer risk factors in the general population and in high risk sub groups, by specific aetiological studies, and by the use of biological markers of exposure, early damage and individual susceptibility, and has recently conducted dietary intervention studies. The Unit has coordinated the Florence section of EPIC and undertakes a wide range of food composition issues including the FCDB for epidemiological studies.

**Role:** Providing food data and information for Italy with INRAN; contributing to quality and certification tasks in WP1; and participating in Compiler Network (WP3) feedback on usability and testing studies.

#### *Profile of staff members:*

*Prof Domenico Palli* is Chief of the Molecular and Nutritional Epidemiology Unit and has been involved, as principal or co-investigator, in several projects in the field of nutrition and molecular epidemiology, among which the evaluation of population-based cancer screening programmes, a multi-centre study on 'Diet and gastric cancer' funded by NCI, and EUROGAST. Since 1992, he co-ordinates locally, and is a member of the central steering committee, of EPIC. 'The Food Composition Database for Epidemiological Studies in Italy (FCDESI)', that has been of key importance for the analysis of the EPIC study. He is currently also involved in several nutritional and molecular epidemiological projects, among which projects funded by the EC within FP6 & FP7.

*Simonetta Salvini* is a research dietician, and is involved in methodological aspects of nutritional epidemiology. Since 1995, she has co-ordinated the compilation of FCDESI, funded by the Italian Association for Cancer Research, which is aimed at the needs of Italian epidemiologists, and working in close contact with institutions officially devoted to the production of food composition data. She is a member of the task force group devoted to the

compilation of the EPIC nutrient database (ENDB), a member of the COST action 99 “Food Composition and Consumption Data” and is a WP leader in the COST action 927 “Thermally Processed Foods: Possible Health Implications”. She works in close contact with IEO-Milan, Udine University and INRAN-Rome, to create a single Italian database. She has contributed to quality and compilation activities in EuroFIR.

*Dr Patrizia Gnagnarella* is a research dietician and her activities focus on developing tools for the determination of nutritional habits and databases. She has participated in several epidemiological studies on the validation and reproducibility study of the related food frequency questionnaire, and in the development of FCDESI with the aim to transform foods from the questionnaire into nutrients. Since 1997, she works at the Division of Epidemiology and Biostatistics, European Institute of Oncology, Milan, and she is a compiler of the Italian food composition database. This collaborative project has led to the publication of the book "Banca Dati di Composizione degli Alimenti per Studi Epidemiologici in Italia" (1998), and the most recent updated version (2008), an activity that continues in collaboration with ISPO Florence and with Udine University.

*Maria Parpinel* is a food technologist and since 2009 she is researcher of Unit of Hygiene and Epidemiology of Udine University. From 1992-2004, she has worked in collaboration with the Unit of Epidemiology and Biostatistics of Aviano Cancer Center, where she was involved in an Italian multicentre case-control study on diet and cancer. She is co-author of the FCDESI and working to compilation of the update of this database. She has taken part in the evaluation phase of the Epic Nutritional Database project. She is involved in the Italian project called “Siagro”, coordinated by INRAN-Rome, where she deals with the development of an Italian network for collecting food composition data.

### **The Jožef Stefan Institute (JSI), SI:**

JSL was founded in 1949, is the leading Slovenian scientific research institute, covering a broad spectrum of basic and applied research. The staff of more than 850 specializes in natural sciences, life sciences and engineering. JSI devotes a considerable amount of effort to transfer the results of its research and knowledge to productive applications and market. Being well aware of the international nature of science, the Institute has devoted considerable efforts to international co-operation and has participated in 69 FP6 and 51 FP7 projects.

The proposed project will be mainly performed by the Computer Systems Department (CSD) and partly performed by the Department of Environmental Sciences (DES). The CSD is primarily concerned with optimization algorithms, real-time and embedded computer systems, computer vision and pattern recognition, electronic design and test, and processor architectures. Research at the DES is performed within areas: development and application of analytical methods for determining trace elements and their physical and chemical forms, natural and man-made radionuclides, and persistent organic contaminants in environmental and biological samples. JSI is not a member of the EuroFIR NoE but has signed a MoU with EuroFIR in 2008 in order to develop the Slovenian FCDB and has recently since joined EuroFIR AISBL as an FCDB compiler organisation (Associate Member).

**Role:** Providing food data and information for Slovenia; developing menu planning tool in WP2; participating in Compiler Network (WP3) feedback on usability and testing studies; and member TSB.

*Profile of staff members:*

*Assoc Prof Barbara Koroušić Seljak* is a senior researcher in the CSD and a lecturer in real-time & embedded systems in JSI's International Postgraduate School (IPS). Her research interests include embedded systems, real-time operating systems, systems and software modelling, metaheuristics and evolutionary optimization. She has coordinated and participated in several national and international research & application projects. In the field of nutrition, she developed a pilot web-based application for dietary menu planning based on evolutionary optimization. She is a member of the board of the Slovenian section of the ESPEN (*European Society for Clinical Nutrition and metabolism*) as well as of the program committees of several international conferences. She has served as a reviewer to several scientific journals. She has published >50 papers, given many presentations at national and international conferences, and is the co-compiler for the Slovenian FCDB.

*Dr Vekoslava Stibilj* received her PhD degree in radiochemistry from the Faculty of Natural Sciences and Technology of the University of Ljubljana in 1994. In 1984-1992, she was employed by the Biotechnical faculty (BF) of the University of Ljubljana, where she worked at the Department of zootechnics as a researcher and assistant. Since 1992, she works at the JSI as a senior scientist and is the head of the Group for Food and Environment. Since 1998 and 2006 she is as an assistant professor in the field of chemistry in nutrition at BF and JSI's IPS, respectively. She has coordinated and participated in several international and national projects. She has published more than 100 peer-reviewed papers and is the co-compiler for the Slovenian FCDB.

**Nutriënten Belgie vzw (NUBEL), BE**

Nubel is a non-profit making association responsible for managing nutrition-related information in Belgium and was founded in March 1990. NUBEL is short for Nutrients of Belgium. The Board of Directors is composed by both governmental and private partners; these include representatives from the Ministry of Public Health, The Scientific Institute of Public Health, The Federation of Food Industry (FEVIA) and the Federation of the Distribution Sector (FEDIS). The Scientific Council represents the different faculties of the Belgian universities and scientific institutes. Nubel has a number of additional members; these are institutes working in the area of health and nutrition that use Nubel products. Nubel has developed three main products: (a) a Belgian FCDB booklet in both Dutch and French; (b) a special online edition of brand-name foods at [www.internubel.be](http://www.internubel.be) in 4 languages (Dutch, English, French and German); and (c) a computer programme called "Food planning tool" for individuals to achieve a sound balance between energy intake and energy output at [www.nubel.be](http://www.nubel.be).

**Role:** Providing food data and information for Belgium; participating in Compiler Network (WP3) feedback on usability and testing studies.

*Profile of staff members:*

Carine Seeuws is the Business Unit Manager of Nubel vzw and contact person for the several user groups, food industry and retail. She has a degree on dietetics in 1983 at the College of dietetics in Brussels. From 1986 she is responsible for the Belgian Food Composition database. She is Member of the Expert Committee of the Belgian National Food and Health Plan of the Ministry of Public Health and Chair of the Strategic Policy Option: Creating an environment stimulating healthy eating habits and physical activity. She is also Member of the Logo – evaluation Committee of the National Food and Health Plan and Member of the food consumption survey committee

### **The Hellenic Health Foundation (HHF)**

HHF (<http://www.hhf-greece.gr>) is a non-profit organization based in Athens, which provides expertise in the area of health research and ensures that the general public is properly informed on important health issues. The aims of the Foundation are to conduct, promote and support sound research in order to advance health and prevent disease. To fulfil its mission the Foundation collaborates with Greek and international institutions, organizations and individuals with a view to generate and spread valid health-related knowledge. One of the activities of HHF is the compilation of composition tables of foods and Greek dishes and has become a full member of EuroFIR AISBL, while the published food composition tables are available on HHF website.

**Role:** Providing food data and information for Greece; participating in Compiler Network (WP3) feedback on usability and testing studies.

#### *Profile of staff members:*

Prof Antonia Trichopoulou (PhD, M.D.) is Vice-President of HHF and Director of the WHO Collaborating Center for Food and Nutrition Policies, Department of Hygiene, Epidemiology and Medical Statistics, School of Medicine, University of Athens).

Effie Vasilopoulou (BSc) is a Food Technologist and has been working as research assistant to NKUA/HHF since 1996 and has been actively involved in the investigation of traditional Greek foods and compilation of food composition tables and work on traditional foods in EuroFIR and more recently BaSeFood.

Vardis Dilis is a food scientist with an MSc in Human Nutrition. Since 2004 he works at the Medical School of Athens and from 2006 joined HHF to work on various projects such as EPIC, EuroFIR and BaSeFood on nutritional aspects of traditional foods in Europe.

Nicholaos Bilalis is a software engineer and has extensive experience in developing web-based and data-centric applications. He is about to receive his MSc in Computer Science from the University of Athens and has been an associate of HHF and the Dept. of Hygiene, Epidemiology & Medical Statistics for several years now developing software for various projects including interfaces for EuroFIR's eSearch platform.

### **National Food and Nutrition Institute (NFNI), PL**

NFNI is the state's scientific research institution founded in 1963 as a leading national multidisciplinary centre in the field of food and human nutrition. NFNI's achievements include the development and publication of the first Polish recommended dietary allowances; their revised versions were developed and published several times afterwards and currently in 2008. NFNI has also developed and published the first national food composition tables for Poland. In 2000, NFNI carried out the first country-wide representative Household Food Consumption and Anthropometric Survey and is represented in the "Expert group on food consumption data" established by the EFSA in 2007. The individual food consumption data collected by NFNI in 2000 were transferred to EFSA to create the "Concise European food consumption database" and the more detailed data will be included in the "Comprehensive European food consumption database". NFNI has been a Beneficiary in EuroFIR since 2005 and has delivered the Polish national dataset to EuroFIR.

**Role:** Providing food data and information for Poland; participating in Compiler Network (WP3) feedback on usability and testing studies.

*Profile of staff members:*

*Prof Hanna Kunachowicz* is Head of the Department of Nutritional Value of Food and lead researcher for EuroFIR. She completed training course on the "Production and use of food composition data" organized by FAO/WHO in 1994 in Wageningen.

*Dr Iwona Traczyk* is Deputy Director for Scientific Research at NFNI.

*Dr Włodzimierz Sekuła* is Deputy Economic Director and head of the Independent Laboratory of Economics of Food and Nutrition and is the leader of research activities on traditional foods at NFNI.

*Beata Przygoda (MSc)* is the national FCDB compiler and head of the vitamins laboratory.

*Wojciech Kłys (MSc)* is head of the protein laboratory and responsible for laboratory accreditation at NFNI.

**The Health Education and Diseases Prevention Centre (HEDPC), LT:**

State Environmental Health Centre was reorganized since 1st April 2010 and the functions in areas of nutrition and food safety, carried out by Environmental Health Centre and National Nutrition Centre (NNC) were transferred to Health Education and Diseases Prevention Centre (HEDPC). NNC was founded in 1991 as institution for nutrition policy making, research conducting and analyzing and proposing for the Ministry of Health of Lithuania. Currently research work is executing by the Health Education and Diseases Prevention Centre are divided into the main categories: (a) Food consumption monitoring and nutrients and contaminants intake calculation and risk assessment; (b) Food composition and contamination research and databases compiling; and (c) Data analysis and evaluation, drafting of food safety legal acts and proposing corrective actions on public health for the Ministry of Health and the

government. The collected food composition material published in two books titled "National Food Composition Tables" (Vol. 1 Foodstuffs, Vol. 2. Dishes).

**Role:** Providing food data and information for Lithuania; participating in Compiler Network (WP3) feedback on usability and testing studies.

#### **Profile of staff members:**

Dr Albertas Barzda is the Head of Research Team and lead researcher for EuroFIR and also Deputy Director for HEDPC. He graduated from the Medical Faculty of Vilnius University, specializing in public health and health. He is a wide range of research experience, and has carried out risk assessment procedures on food safety and nutrition recommendations.

Dr Roma Bartkeviciute (M. D.) is the Head of Nutrition and Physical Activity Division at HEDPC and she graduated Medical Faculty of Vilnius University, specializing in public health and epidemiology. She has participated in a wide range of research programmes, scientific and practical work related to food safety and research of public nutrition status especially infants and children nutrition in Lithuania, and the compilation of the national food database.

Mr. Vladimiras Mikerovas and Mrs. Liucija Berniukeviciute are public health researchers and have worked extensively on the Lithuanian FCDB.

#### **TÜBITAK Marmara Research Centre Food Institute (TÜBITAK), TK:**

**Tübitak** was initially established in 1971 with a mission to carry out R&D studies in food science and technology and services/support to the food industry to improve technological ability, and to strengthen the competitiveness in local and international markets. Tübitak undertakes to serve its customers at a level and quality that meets the requirement of the international standards of EN/ISO/ICE 17025 and EN ISO 9001:2000. Tübitak operates over three strategic business units (SBUs): Food Science and Technologies, Nutrition and Functional Foods, and Food Microbiology and Biotechnology SBU.

**Role:** Providing food data and information for Turkey; participating in Compiler Network (WP3) feedback on usability and testing studies; contributing to training courses (WP4).

#### **Profile of staff members:**

*Gül Biringen Löker* has been working for TÜBITAK since 1993 and she is an experienced senior researcher in the areas of food composition, nutrition and dairy technology. She is responsible for the laboratories of food chemistry and nutrition. In addition to this role, she is involved in national commissions related to food and nutrition. She has carried out many research projects and has given various presentations, authored publications and been the recipient of a number of project grants. She is the lead researcher EuroFIR and is the coordinator of the "Turkish national food composition database" project funded by the Turkish government.

### **National Center of Public Health Protection (NCPHP), BG:**

**NCPHP** is a scientific and research centre, an expert and consulting body of the Ministry of Health, and leading Institution in the Republic of Bulgaria on the problems of risk identification, early detection and prevention of adverse health effects caused by environmental factors, food contaminants, and workplace conditions. The staff of the Center comprises medical doctors, chemists, physicists, biologists, statisticians and other experts engaged in all basic departments. The main fields developed in NCPHP are: food chemical composition, food safety and nutrition, water hygiene, ambient air hygiene, hygiene of soil and wastes, environmental epidemiology, sanitary microbiology, toxicology, hygiene of child and adolescent age. Considerable part of the scientific research activities is focused on food chemical composition and food safety, water safety issues. Training activities and development of intervention programs have the highest priority. In the area of interest are biologically active substances, such as heavy metals, pesticides, organic compounds etc. There is contemporary analytical equipment for element analyses in food, water, air, and biological samples. The Centre is involved in a lot of research and training activities of FAO, WHO, ILO, UNEP, IPCS, TEMPUS, PHARE, COPERNICUS, NATO.

**Role:** Providing food data and information for Bulgaria; participating in Compiler Network (WP3) for feedback as necessary

#### *Profile of staff members:*

Assoc Prof Desislava Gyurova is an engineer-chemist with a wide experience in the field of food chemical composition: analysis of carbohydrates, dietary fibres, starch, gelatine, HPLC method of determination of carbohydrates, energy, nutritional facts; with expertise in Russian and National (Bulgarian) Accreditation.

Assoc Prof Teodor Panev is an expert chemist with wide experience in the area of development and implementation of methods for analyses of chemical substances and organic pollutants by GC and HPLC. His work covers the scientific projects in the risk assessment of chemicals, water and food safety and chemical composition. He also participates in the development and harmonization of National Standards and Regulations

### **Max Rubner-Institut, Federal Research Institute of Nutrition and Food (MRI), DE:**

MRI has taken over in EuroFIR from BfEL (Federal Research Centre for Nutrition and Food) since 1 January 2008. MRI is granted the status of a federal high authority and is subordinate directly to the Federal Ministry of Food, Agriculture and Consumer Protection (BMELV). It is the research and consulting body of the BMELV in the field's nutrition, nutritional-physiological effects of food, improvement of the nutritional behaviour, health consumer protection in the food sector as well as evaluation, assurance and improvement of the product and process quality in food. The research focus lies on the determination and nutritional-physiological evaluation of health relevant ingredients in food, the investigation of careful, resource maintaining methods for processing and on the quality assurance of plant and animal food. The investigation of economic and sociological parameters of nutrition and the



improvement of the nutrition information are thereby important subsections. Apart from the head office Karlsruhe the MRI has locations in Kiel, Detmold, Münster, Hamburg and Kulmbach. Its staff totals 428 including 106 scientists. President of Max Rubner-Institut is Prof Dr. Gerhard Rechkemmer.

**Role:** Providing food data and information for Germany; participating in Compiler Network (WP3) for feedback as necessary.

*Profile of staff members:*

Bernd Hartmann is responsible for the “German Nutrient Database” (BLS) since 2004. His duties cover the further development of the BLS in conception, content and technology as well as its integration with national and international food composition networks. As a nutrition scientist he has taken part in the implementation and interpretation of several nutrition surveys at the Institute of Nutritional Sciences, University of Gießen, Germany. Afterwards he was responsible for the conception, design and implementation of product databases as well as consumer protection portals.

**Matís Food Research, Innovation & Safety (MATIS), IC:**

Matís is a public commercial food research company founded in Iceland in 2007, following the merger of three public food research institutes. The role of MATIS is to: (1) Enhance public health through research and dissemination of knowledge. (2) Provide risk assessment regarding safety of food and feed. (3) Promote sustainable utilisation of resources through research, innovation and consultancy. (4) Maintain the competitiveness of the Icelandic food industry and products. The specialized fields of Matís include processing technology, chemical and physical properties of food, quality and safety of aquatic and marine catches, feed technology for aquaculture and environmental research, traceability, genetics, bio-molecules and biotechnology. Employees are around 100. Matís is responsible for the Icelandic food composition database (FCDB) and delivers data to the public, scientists, schools and companies through its website [www.matis.is](http://www.matis.is) Activities in this field also include software development and analytical work using Matís facilities for analysis of proximates, fatty acids (GC Chromatography) and inorganic elements (ICP-MS). The Icelandic FCDB now includes 1200 foods and data are provided for 140 components, when available. Matís participates in the EuroFIR project. New software for the FCDB developed in 2008 was designed to meet EuroFIR demands and standards. The following principle personnel are involved in work on the Icelandic FCDB.

**Role:** Providing food data and information for Norway; participating in Compiler Network (WP3) for feedback as necessary.

*Profile of staff members:*

Ólafur Reykdal (M.Sc) is a food scientist & chemist, database compiler and project manager works on projects in the field of food composition, including analytical projects. He has worked on food composition projects and the Icelandic FCDB since 1987.

Sigmar Karl Stefánsson (M.Sc.) is an electrical engineer/computer specialist and works on programming for the FCDB and software development.

Dr Sveinn Margeirsson is an industrial engineer and Head of Division. He coordinates projects in the fields of food composition, processing and value chain.

### **Food Center of Food and Veterinary Service (FC-FVS), LV:**

FC-FVS is an independent unit of Food and Veterinary Service of Latvia that responsible for risk assessment, risk communication, research management and coordination of scientific collaboration. FC-FVS is focused on improving the effectiveness in performance of FC-FVS goals and tasks, by implementing the principles and requirements of Regulation (EC) No 178/2002, on the basis of knowledge transfer and implementation of promotional activities. According to the official nomination FC-FVS represents Latvia in Advisory Forum of EFSA and is a focal point in dealing with the coordination of the information flow. FC-FVS is a partner in EuroFIR since 2006 and is responsible for the national FCDB for Latvia. Current activities include data analysis of 1<sup>st</sup> National Food Consumption Survey and development and maintenance of the Latvian FCDB. In FCDB activities, FC-FVS leads national coordination of various activities with the leading universities, the food industry and other stakeholder groups.

**Role:** Providing food data and information for Latvia; participating in Compiler Network (WP3) for feedback as necessary.

#### Profile of staff members:

Dr Dace Santare (MBA) is a team leader and Deputy Director, Head of Research and Information Analysis Division of Food Centre of Food and Veterinary Service of Latvia. She is coordinator of networking and project activities on international and national level and is the member of EFSA Advisory Forum since 2004, and member of Latvian Food Technology Platform “Food for Life” Board and strategy development team.

### **INYTA-UGR Institute of Nutrition and Food Technology “José Mataix” The Institute of Nutrition and Food Technology (INYTA), University of Granada (INYTA-UGR), ES:**

INYTA-UGR is a Research Institute of University of Granada and was created twenty years ago to work on interdisciplinary research in Nutrition. There are 60 researchers (senior and junior) from different Areas of Knowledge: Physiologists, Nutritionists, Molecular Biologists, Analytical chemists, Microbiologist that work in the relationships between Nutrition and health, Nutritional Assessment, Nutritional Education, Functional Foods and Food composition. INYTA-UGR also has a food analysis unit and is one of the leaders of the Spanish FCDB national project team (BEDCA).

**Role:** Providing food data and information for Spain; contributing to development of tools in WP2; and participating in Compiler Network (WP3) for feedback as necessary.

#### Profile of staff members:

Prof Emilio Martinez-Victoria is Professor of Physiology and Director of INYTA-UGR. He is co-author of the Spanish Food Composition Tables and Software of Nutritional Assessment and has also published about 100 papers related with nutrition and gastrointestinal system. He is adviser of the Spanish Agency of Food Security and Nutrition y the Spanish Total Diet Study and has participated in the nutritional assessment of the Andalusia population.

Prof Mariano Mañas is Professor of Physiology and senior research at INYTA-UGR. He is co-author of the Spanish Food Composition Tables and Software of Nutritional Assessment and has published about 100 papers related with nutrition and gastrointestinal system.

Ignacio Martinez-Victoria is a computer science and software Engineer and has built and developed the structure of the Spanish FCDB (BEDCA) and BEDCA Web site and web services.

Alba Martinez is Assistant Professor of Physiology and Dr M D Yago is a researcher both in the Nutrition and Gastrointestinal System Department and Food Composition team.

### **The University of Vienna (UVI), AT:**

UVI was founded in 1365 and is the oldest university in the German-speaking world, and one of the largest in Central Europe. At present, about 74,000 students are enrolled at UVI in close to 180 courses. UVI is also the largest teaching and research institution in Austria with close to 8,600 employees; 6,500 of which are scientists and academics. The Institute of Nutritional Sciences of UVI (INS-UVI) is working in the field of education, nutrition research and epidemiology. INS-UVI's research focusses on the following aspects: Nutritional status, intervention- and observation studies in general, nutrition attitudes and education of several population groups, food science, food quality, and sensory evaluation of foods. It is responsible for conducting the Austrian food consumption surveys and for compiling the Austrian nutrition reports. Beside other projects the Institute of Nutritional Sciences has successfully coordinated the EU funded project on the compilation of the European Nutrition and Health Report 2004 and 2009 under the Public Health Programme of the EC (co-ordinator: Prof. I. Elmadfa). It also participated in the projects "Pro Children" and "DAFNE" and also participates in the ongoing projects "HECTOR", "EuroFIR", "CHANCE", and "FOOD PRO-FIT".

**Role:** Providing food data and information for Austria; and participating in Compiler Network (WP3) for feedback as necessary.

#### Profile of staff members:

Prof Ibrahim Elmadfa is head of INS-UVI and trained in Nutrition and Food science. He is Author/co-author of several books in human nutrition, food science and health monitoring (the "Austrian Nutrition Report" 1998, 2003 and 2008; the European Nutrition and Health Report 2004 and 2009) and more than 300 publications in international scientific journals and as submissions to scientific conferences. He is also member of the Expert Group on Nutrient Based Guidelines of meanwhile 7 central and east European countries (D-A-CH reference values 2000), and member of the FAO/WHO-expert group on recommendation of fat and fatty

acids for human nutrition. His expertise includes nutrient requirements in health and disease, monitoring of nutrition and health status as well as nutrition information and communication. Prof Elmadfa is President Elect of IUNS.

*Verena Nowak* is co-worker in several projects including “ENHR II”, “HECTOR eating out”, “EuroFIR” and the “Austrian Nutrition Report”. Moreover she wrote her master thesis in the context of the “Pro Children” project. She is member of the “EFSA Expert Group on Food Consumption Data” and the “Ad hoc working group on dietary intake of food additives” and Ph.D. student at the Institute of Nutritional Sciences, University of Vienna. She is the national compiler for the Austrian FCDB.

### **Ian D Unwin Food Information Consultancy (IDUFIC, an SME), UK:**

IDUFIC is a partnership between Ian Unwin and Jan Unwin, established in 1991. IDUFIC's work has related to information management and computer support for food composition data. Early work involved preparation for publication of The Composition of Foods fifth edition and supplements. After involvement with a project (EuroNIMS) to develop a food composition database management system (FCDMS) for use by European national compilers, IDUFIC developed desktop FCDMS software in collaboration with the Swedish National Food Administration, as well as the Component Aspect Identifier concept on which the software and later Eurofoods Recommendations for data management and interchange were based. Within the EuroFIR project, IDUFIC has contributed to the development of the food data standards and related thesauri, as well as of bibliographic services implemented as the Document Repository and projected Data Repository, and has recently been advising on food nomenclature for EFSA.

**Role:** Contributing to thesauri management (WP1) and Document & Data Repositories (WPs 1 & 2) and member TSB.

#### **Profile of staff members:**

*Ian Unwin:* graduated in Chemistry from Bristol University in 1968 and worked for 3 years in pharmaceutical synthetic chemistry. After gaining an MSc degree in Information Science at the City University, he joined the Royal Society of Chemistry (RSC) to perform abstracting and indexing for Chemical Abstracts and then supervised the implementation and production of computerised Machine Readable Input to Chemical Abstracts Service. He developed word-processing production systems for new bibliographic products and then managed compilation of the UK food composition data, published as books and computer files in The Composition of Foods series, also providing system support for this work. In 1991, he left the RSC to establish IDUFIC, undertaking its work as described above.

### **Polytec Nivå, (Polytec DK; an SME):**

Polytec has been involved since 1985 in design and development of desktop and WEB-based environmental information systems, especially in the area of food composition, food flavourings and bioactive compounds databases with particular focus on international co-operation through EU concerted action programmes and Nordic Council of Ministers projects. Another key business has been development of software support tools for the LanguaL food

classification system. They have participated in several EU projects including AIR NETTOX; FAIR BASIS; FLAVIS (software handling for the EFSA project on food flavourings); Nordic Council of Ministers NORTOX–BASIS; and EuroFIR nutrient and bioactive databases including the recent EFSA project. Through several environmental information system projects in Africa, Russia, Malaysia and CEEC countries, Polytec has acquired solid experience in working under different cultural and social conditions that help to promote co-operation and well-functioning teamwork.

**Role:** Implementation of SOAP and maintenance of eSearch/FPI/eBASIS tools (WP2).

**Verein zur Förderung des Technologietransfers an der Hochschule Bremerhaven e.V (TTZ), Bremerhaven, DE:**

TTZ is a private non-profit research organisation established in 1987 in Bremerhaven, Germany. The provision of tailored technology transfer services, customer-oriented research, process and product development or training needed for the realisation of innovative business ideas form the core activities of the organization. It has a multicultural and multidisciplinary staff of around 100 persons working at the Food Technology and Bio Process Engineering Facilities, the Sensory Laboratory, the Bakery and Cereal Technology Facilities, and Environmental Institute. ttz has also access to a worldwide partner network and a broad experience in the in the development and implementation of third-party financed projects as well as direct industrial contacts. Especially for SMEs from the region and throughout Germany, ttz is highly recognised as independent R&D service provider for private companies for over 20 years.

**Role:** Contributing to sustainability and business development (WP3) and dissemination activities especially to industry/SMEs (WP5).

*Profile of staff members:*

*Claudia Krines* (Dipl.oec.troph.univ.) graduated Dec 2002 from the Technical University Munich with a specialisation in food technology and nutrition. She started working as a project manager at ttz Bremerhaven in 2003, became team leader of a research group on food technology and engineering in 2007 and is now coordinating and directing the R&D activities within ttz's food department. Claudia Krines has been heavily involved in the EuroFIR NoE throughout its whole run-time as work package leader and task leader for industrial food composition information as well as industrial consultations.

*Martin Schüring (Dipl.-Ing.)* studied food technology at the Bremerhaven University of Applied Sciences. He has 15 years of professional experience at ttz (project manager & senior researcher food technology, head of the sensory department) as well as in the ingredients industry (marketing & sales). Since 2007 Martin Schüring is developing industrial relations for ttz, identifying company needs and proactively developing solutions with the different research groups in ttz.

*Imke Matullat (MSc.)* studied nutrition at the University of Kiel and has been working since 2006 for ttz on diverse research projects and direct contracts with the food industry in the field of nutrition, sensory and marketing including software applications or other communication/training means. She has been in particular responsible for the EC-project

Nutrisenex and other research work where specific needs of user groups were investigated. Within the NoE High-Tech Europe she is currently investigating consumer needs towards new developments in the food sector.

**Graz University of Technology, Institute of Biochemistry, Functional Food Group (GUT), AT:**

The Functional Food Group (FFG) of the Institute of Biochemistry is working on the relevance of antioxidants (polyphenols, vitamins, carotenoids) in foods and nutrition. Currently the group comprises two PhD students, one technician, and one associate Professor and is contributing to the critical evaluation of bioactive data in eBasis in EuroFIR and the development of the Austrian FCDB with UVI (see above).

**Role:** Contributing to development of eBASIS (WP3) and training courses (WP4)

*Profile of staff members:*

*Assoc Prof Michael Murkovic* is the head of the FFG and is a food chemist at GUT since 1993 with a focus on food analysis (mainly carcinogenic substances and antioxidants). His lab is equipped with liquid chromatography and thin layer chromatography and has published >70 research articles and book chapters in this field. He habilitated in 2001 in Food Chemistry being able to carry out independent research and academic teaching. He participated in several European research and teaching programs (COST, EC MAT, FW5, FW6, ERASMUS, TEMPUS and EuroFIR).

**Food and Environment Research Agency (Fera), UK:**

The Agency was established within the UK Government Ministry of Agriculture, Fisheries and Food (MAFF, now DEFRA) on 1 April 2009. The main focus for the scientific work of Fera is food safety (including testing for GM contamination in food and seeds), agro-chemical safety, safeguarding the food supply, environmental management, protection and conservation and the impact of agriculture on the environment. Key work areas include the authenticity, quality and nutritional value of the food supply, pesticide safety, including monitoring of residues in food and environmental impact, surveillance of veterinary drug residues in food, proficiency testing schemes (e.g. FEPAS® & FEPAS®), the impact of food production and agricultural systems on the environment, animal health, plant health, the control of pests and diseases of growing and stored crops, and conservation and wildlife management.

FEPAS® has 19 years experience in the provision of proficiency testing services. FEPAS® provides laboratories around the world with the opportunity to test their analytical proficiency in a wide range of matrices and analytes. The FEPAS® Group runs four major schemes: FEPAS® (Food Analysis Performance Assessment Scheme) for food chemistry, GeMMA (Genetically Modified Materials Analysis) Scheme for GMO analysis, FEPAS® (Food Examination Performance Assessment Scheme) for food microbiology and LEAP™ (Laboratory Environmental Analysis Proficiency) Scheme. FEPAS® uses expert laboratories to prepare test materials and this includes the food safety and pesticides groups at CSL. All

labs used by PTG have either UKAS accreditation or work to GLP and regularly participate in proficiency schemes to ensure quality services.

**Role:** Organisation of PT schemes and providing advice on quality/certification (WP1).

*Profile of staff members –*

*Dr Linda Owen* is Head of Proficiency Testing Group, manages of a team of 22 scientists, IT specialists and administration staff responsible for running four proficiency testing schemes. The team provides performance assessment for more than 1000 beneficiaries in over 80 countries, for a wide range of chemical (FAPAS® and LEAP), microbiological (FEPAS® and LEAP) and GMO (GeMMA) analysis. She liaises with CCQM, BIPM and UK Food Standards Agency initiatives to rationalise measurement and definitive methods for determining true value of analytes in test materials and has extensive experience in design and running of proficiency testing schemes for individual clients who need to test on a confidential basis the proficiency of a group of laboratories for specific analytes/matrices. She is a member of UKAS Steering Group for the accreditation of proficiency testing schemes, and the VAM Proficiency Testing Working Group.

*Amanda Reynolds* is the Business Development Manager for FAPAS®.

**The Norwegian Food Safety Authority (NFSA), NO**

**NFSA** is a governmental body, operating on a national basis, whose aim is to ensure that food and drinking water are as safe and healthy as possible for consumers. In addition, an important role is to monitor food safety. The responsibilities for NSFA are described on the website <http://www.mattilsynet.no/english/about> . Norway is not a member of the European Union (EU), but is required to adopt much of the EU legislation due to our participation in the European Economic Area (EEA). For the most part these acts and regulations are based on EEA-rules (acquis), and thereby harmonised with the European legislation. The responsibility for the Norwegian FCT is a shared duty with the Norwegian Directorate of Health, in collaboration with researchers on food composition data from the University of Oslo, Norway (UiO). The NSFA is administrating the working group which provides the Norwegian Food Composition Table (NFCT) and online website. The main purpose of the NFCT and database has been to provide FC data to the general public, including health personnel, food service managers, teachers, students and researchers. It is not comprehensive enough for individual dietary surveys or nutrition related epidemiological studies, but forms the basis for specialized databases used by the Department of Nutrition at the University of Oslo (UiO) for estimating intake of energy and nutrients in the nationally representative dietary surveys.

**Role:** Providing food data and information for Austria; and participating in Compiler Network (WP3) for feedback as necessary.

**Profile of staff members:**

Åse Borgejordet is a dietitian with some experience from research on dietary intake, and has for the last twelve years worked as a compiler on food composition data, with the Norwegian

Food Composition Table (FCT) and database, including updating and testing a nutrition calculation tool, as main responsibilities.

Vibeke Bryhn-Hansen has a Master of Science in the field nutrition, health and environment. She has since 2002 been involved in updating and testing different nutrition calculation tools, updating the Norwegian food composition table, and also for a period worked under the Regulations Department in NFSA with legislations within general labelling and nutrition labelling, including participating in the revision of the Food Information legislation.

Elin Loken is a university lecturer (University of Oslo) with over 40 years experience in compiling, and design and use of food composition tables and dietary assessment tools for nutritional research.

Jannicke Borch-Myhre is a dietitian working with food research at the University of Oslo, updating and testing the nutrition calculation tool used in research. She has in addition been compiling data for the NFCT for the last 5 years.

### **Agricultural University of Athens, (AUA) Greece (UNI)**

The Laboratory of Agribusiness Management, established in 2000, is part of the Department of Agricultural Economics and Rural Development at the Agricultural University of Athens. The Laboratory's mission includes: (a) the development and quality improvement of undergraduate and postgraduate student training in the fields of its specialisation; and (b) the undertaking of advanced basic and application management-related research in agri-food enterprises and farm holdings. Today, the laboratory has eight members of research and teaching staff, three members for academic and technical support and over 10 postdoctoral, doctoral and postgraduate researchers who actively participate in funded research programs.

**Role:** Contribute to the development of eBASIS in WP3.

### **Profile of staff members:**

Dr Maria Kapsokefalou is currently an Assistant Professor in Human Nutrition in the Department of Food Science and Technology, Agricultural University of Athens, Greece. She was trained in Food Science and Nutrition at Cornell University (MSc and PhD, 1989 and 1992, respectively). She joined the University of Crete in 1993 and moved to the Agricultural University of Athens in 2001. Her scientific work is concentrated on iron nutrition (bioavailability, fortification, prooxidant activity) and on health effects of natural products. Funding is provided by national, industry or EU projects. She is the author of more than 60 research articles and abstracts and of various non-scientific articles on nutrition. Dr Kapsokefalou is member of several international and national organizations and committees.

### **University of Helsinki (UHEL), FI:**

The Department of Food and Environmental Sciences (previously Dept. of Applied Chemistry and Microbiology) with a staff of 220 persons is one of the departments of the Faculty of Agriculture and Forestry at University of Helsinki. Food Chemistry is one of its 6 divisions with staff of approximately 25 persons. Food composition research has been one major activity of the division since 1970's. Comprehensive food composition studies on minerals,



carbohydrates, fat and fatty acids, proteins and amino acids have been carried out. More recently, the focus has been on fat- and water-soluble vitamins, flavonoids and phenolic acids, cholesterol and plant sterols. The results have been published in international journals and used to update the Finnish National Food Composition Data Base maintained at the National Institute of Health and Welfare (THL) and the Finnish food composition tables. We have co-operated with THL in compiling the data base. Furthermore, significant part of the produced data has been included in the international food composition tables. UHEL participated in the NoE Eurofir and is member of EuroFIR-AISBLE.

**Role:** Contribute to the methods inventory (WP1) and eLearning modules on vitamins (WP5).

#### **Profile of staff members:**

Professor Vieno Piironen is head of the FCD. She is a scientist with 30 years experience in food composition research. Her current research focuses on bioactive food components, such as plant sterols and vitamins, and lipid oxidation. She has actively participated in international co-operation activities on research and education of food sciences. She participated in the Healthgrain project of the 6th framework program and was the leading scientist and governing council member of UHEL in NoE Eurofir. She is member of the council of EuCheMS Food Chemistry Division and member the ISEKI Food Association.

Dr Anna-Maija Lampi has been working as a Senior Lecturer in Food Chemistry since 2001. Her main research interests are phytosterols, tocopherols and tocotrienols as bioactive compounds, and mechanisms and control of lipid oxidation. Her current research activities include management and quality control of production of phytosterol, tocopherol and tocotrienol data for food compositional purposes, and developing sample preparation methods of food lipids.

Dr Velimatti Ollilainen has been working as a Senior Lecturer in Food Chemistry since 2001. His main research interest is the analysis of vitamins in foods. He has been lecturing this topic in Food Composition course organized by Wageningen for several years. His other interests are food sampling and general laboratory quality aspects. Velimatti Ollilainen has conducted several studies on producing food composition data on vitamins.

Dr Susanna Kariluoto is currently working as a University lecturer in Food Chemistry. Her main research areas are methods of analysis for folate and folate in food, especially in cereals.

#### **University of Leeds (UL): UK**

The University of Leeds is an international centre of excellence for research and teaching with some 28,000 students. It ranks among the top 10 research universities in the UK, with some 3,000 researchers and an annual research income in 2002 of more than £63 million, of which 9.5% is from EU awards. Under the Fifth Framework Programme, the University of Leeds was awarded 157 contracts to the total value of €32.5 million; 57 of these were co-ordinated by Leeds. The last national Research Assessment Exercise in 2001 confirmed the University as a leading research institution, with 28 departments deemed to be undertaking research of international quality. Leeds was the first university in the country to create a technology transfer company 30 years ago. In 1999 it set up a unique partnership with the investors

"Forward Group" providing £20 million to help academics develop and commercialise ideas. The library is one of the largest of its kind in the country with over 2.5 million books, as well as e-journals and periodicals.

The Proctor Department of Food Science has been twice rated 5\* in RAE [one of 24 university departments in the UK] and has 22 scientific employees including post-doctoral researchers, 8 support staff and approximately 24 PhD students and about 120 undergraduates. The research focus is in the areas of food colloids, chemistry of small molecules, food biochemistry and nutrition. Experience of research in ethnic foods, nutrition and health, and bioactive compounds goes back 20 years and it is a continuing research area in the department. Our research strategy is based on the understanding of food composition, absorption and metabolism, in vitro and in vivo bioactivity and the optimisation of human health.

**Role:** Contribute to the development and exploitation of durable links with the health, socio-economic and policy sectors by organising joint workshop in conjunction with ETP Food for Life – Task 4 of WP5.

#### **Profile of staff members:**

**Dr Santosh Khokhar** is a senior lecturer and researcher with the Proctor Food Science Department and co-ordinator for the MSc programme. She has experience in various national and international projects on nutritional aspects of ethnic foods with Indian Council of Agricultural Research & Ministry of Agriculture in India; US Department of Agriculture; United Nations Development Projects; EU and FSA in the UK. Since her graduation in 1988, she has worked in India, the Netherlands and UK and has gained an understanding of diverse cultures.

#### **Beneficiary 3 - Foodcon (FCN), Belgium**

*FCN (Foodcon SPRL; <http://www.foodcon.eu/>)* based in Brussels is a spin off from the Agricultural University of Athens with a primary focus on consumer research methodology led-product innovations and particularly sustainability of research outcomes. It is active in a number of research projects including EuroFIR NoE (FP6), PlantLIBRA (FP7), RFID-F2F (ICT).

**Role:** FCN contributes to WP3 (integration and business development strategy) and is a member of the EB.

*Dr George Chryssochoidis* will lead the FCN effort. An ex-ITC (WTO/Unctad) export marketing and international trade expert and advisor to the Greek Minister of Finance (1996-2000), with education in international trade, marketing and new product development/management of innovations, he has been involved in 23 funded business, academic, national, international and EU funded research projects. He has been responsible for EuroFIR sustainability especially strategy and marketing aspects of EuroFIR NoE and the creation of EuroFIR AISBL. Prior to research he was export manager and business development manager in food SMEs and he is a certified customs officer. He has extensive skills in food consumer behavior research methodology, but also an advanced understanding of technology, business

development, marketing and management of innovations issues. A member of the Food and Consumer Workgroup of the ETP F4L, he has published over 50 articles in scientific peer reviewed journals. He is Deputy-Chair of EuroFIR AISBL and a Member of its Executive Board.

#### **Beneficiary 4 - University College Cork – National University of Ireland (UCC) Cork, Ireland**

UCC (<http://www.ucc.ie>) has >15,000 students and a strong commitment to training and research innovation. Its annual research budget is ~€65m focussed in key strategic areas; the Food and Health research theme is a central element of UCC's research strategy. Within the UCC Food Research Institute, 40 academic staff have significant input to research programmes spanning food, nutrition and health, food science and technology, consumer sciences, food microbiology, process technology and food policy. Food at UCC has a long-term track record within EU Framework programmes. Our research focuses on nutrition and health, functional foods, impact of nutrients and bioactive food components on human gut, bone and metabolic health, elucidating mechanisms of action using nutritional genomics and on microbial food safety. This is also an important centre for undergraduate and postgraduate studies. The Food Industry Training Unit (FITU) is affiliated with the School of Food and Nutritional Sciences at UCC. FITU was established in 1993 to promote outreach, training and continuing professional development within the Food sector.

**Role:** UCC contributes to WP3 (implementation plan for eBASIS) and provides Irish food composition data to EuroFIR (WP2).

#### **Profile of key staff members:**

*Dr Mairead Kiely (UCC-PI)* is a nutrition researcher with 12 years postdoctoral experience and has a proven track record within EU Framework programmes 6, 5 and 4. She is author/co-author of 65 peer-reviewed publications, and has attracted over €4M in competitive research funding. Her main research areas are in nutritional status & requirements of vitamin D throughout the life cycle; relationships between vitamin D, bone metabolism & cardiovascular health; optimal nutrition in children; food & nutrient intakes & food composition data for nutrients & bioactive constituents. She has played a central role in the design and construction of the eBASIS database in EuroFIR.

*Professor Albert Flynn* has 25 years experience in nutrition research and has published >100 peer reviewed research papers in international journals. His research interests include risk-benefit assessment of nutrients and fortified foods, including modelling. He is currently a member of the European Food Safety Authority Scientific Committee and Chairman of the EFSA Scientific Panel on Dietetic Products, Nutrition and Allergies. He is also a member of the Board of the Food Safety Authority of Ireland and Chairman of its Scientific Committee.

*Dr Janette Walton* is the overall co-ordinator of the Irish National Food Consumption and Nutrient Intake Surveys. She has extensive experience in the compilation and documentation of food consumption data and is a key contributor to the Irish Food Composition Database.

Lucinda Black is a PhD fellow at UCC and is database manager of the eBASIS database (Biological effects). She has been working within the EuroFIR consortium since 2006, and had a central role in integrating the Irish Food Composition Database to the EuroFIR food data platform.

Mary McCarthy-Buckley (BSc, MSc from National University of Ireland and a Graduateship of the Marketing Institute; FITU) was appointed Training Manager in 2000 and she has served as a member of the National Food Safety Advisory Board, the National Forbairt Food Ingredients Working Group and a member of the National Forfas Committee of the Expert Group on Future Skills Needs. Mary has also worked in FOSS Ireland, BioResearch Ireland and also National Board for Science and Technology.

### **Beneficiary 5 - Wageningen University & Research Centre (WU), The Netherlands**

Wageningen University (<http://www.wageningenuniversity.nl>) was founded in 1918 and in recent decades it has evolved into one of the world's leading education and research centres in the plant, animal, environmental, agrotechnological, food and social sciences. For many years, Wageningen scientists have been aware of the ultimate importance of maintaining a habitable planet earth, as well as ensuring reliable supplies of safe, high quality food, while maintaining the biodiversity of natural habitats and conserving natural resources. WU offers students from abroad a special international Master of Science Programme, as well as a post-graduate programme. It has been the Co-ordinator of various EU projects including FLAIR, Eurofoods, Infant & COST Action 99 and has actively been involved in a wide range of research activities including vitamin A & carotenoids; food composition databases; bioactive compound analysis; teaching & research linked to MSc & PhD nutrition programs; contaminant databases & bioactive; risk assessment; data quality & harmonisation; analysis; training.

**Role:** WP-L for training (WP5) especially implementation of eLearning on vitamins and organising the FoodComp courses, and a member of the EAB.

#### **Profile of key staff members:**

Assoc Prof Dr Peter Hollman is senior scientist and has a background in analytical chemistry and nutrition research. He pioneered in the elucidation of the potential role of flavonoids in the prevention of chronic diseases. He organised a number of interlaboratory trial on nutrient analyses (macronutrients, vitamins), and subsequently was involved in the development of food reference materials. He has authored over 100 peer-reviewed articles. He is also a member of EuroFIR AISBL EB.

Paul Hulshof is a nutritionist with a strong interest in the analysis of fatty acids, and carotenoids. Additional area of expertise is the determination of body composition.

Lucy Elburg is a nutritionist with a strong interest in the application of for compositional data, and the organisation of trainings and e-Learning.

Dr Cora Busstra is a nutritionist who wrote her PhD thesis on the design and evaluation of e-Learning material for academic education in nutrition.

## **Beneficiary 6 - British Nutrition Foundation (BNF), United Kingdom**

The British Nutrition Foundation (BNF; <http://www.nutrition.org.uk/>) was established over 40 years ago and exists to deliver authoritative, evidence-based information on food and nutrition in the context of health and lifestyle. BNF's work is conducted and communicated through a unique blend of nutrition science, education and media activities. BNF has an award winning website and works in partnership with academic and research institutes, the food industry, educators and government. With regard to other EU-funded work, BNF was on the management committee for FLAIR FLOW 4, was the dissemination partner in FP5 project OB-AGE, and was involved in an FP5 Accompanying Measure in folate led by IFR on folates. BNF also led the dissemination and communication work package for the FP6 funded *Lipgene* project and is currently leading the communications work package of the FP6 funded project *ProSafeBeef*. Through these projects, a broad network of European contacts has been established. The Foundation has close links both with the UK Food Standards Agency that has commissioned BNF to work on a number of projects and with other National nutrition foundations throughout Europe.

Role: Overall WP-L for dissemination (WP5) especially preparation of dissemination materials and other tailored-made resources for dissemination.

### ***Profile of key staff members:***

Prof Judith Buttriss took over the role of Director General of the British Nutrition Foundation (BNF) on 1<sup>st</sup> October 2007, having been BNF's Science Director for almost 10 years. She is an Honorary Professor at Robert Gordon University, a Visiting Professor at Kings College London and a Registered Public Health Nutritionist. She has been a member of a number of national committees concerned with funding research, and with public health and nutrition issues. She has contributed extensively to UK government activities in the area of diet and nutrition, including work on nutrient profiling and on signposting for the Food Standards Agency, on obesity in children for the Department of Health, on school meals, and on the Family Food Survey for Defra. She was also a member of the UK's former Joint Health Claims Initiative Expert Committee since its inception, and has a wide range of research interests in the area of nutrition and its communication and is currently WP-L for *Dissemination and Communications* in EuroFIR, and has been a member of the Scientific Management Board and, latterly, the Governing Council.

Bridget Benelam is a Nutrition Scientist and has worked on a number of aspects of the EuroFIR project including traditional foods and nutrition and health claims.

Dr Elisabeth Weichselbaum is a Nutrition Scientist and has provided website material for the EuroFIR website, organising EuroFIR events and congresses, and has drafted different publications. Before joining BNF, she was involved in an earlier EU project, The European Nutrition and Health Report 2004 on collection of European food and nutrient consumption data collected from different sources.

### **Beneficiary 7 - Danish Food Information (DFI) Denmark**

Danish Food Information (DFI; <http://www.danfood.info/>) is an SME in food informatics and was founded in 1985. DFI has extensive international expertise in food composition and food consumption databanks as well as programming and intake and exposure estimations. DFI has detailed knowledge in the construction and implementation of online food composition databanks as well as browser specific applications.

**Role:** Responsible for the LanguaL thesauri management and updating (WP1) and SOAP implementation (WP2); training activities (WP4) and a member of the EAB/TSB.

#### **Profile of key staff members:**

*Anders Møller (DFI)* is a food informatics specialist with former employment in the Nutrition Department of the Danish Institute of Food and Veterinary Research. He has more than 30 years of experience in the research fields of food consumption and food composition, and has been responsible for the Danish food composition databank in the Internet, as well as well as statistical analysis of the national Danish food consumption surveys and household budget surveys. He has participated in European task forces and projects concerning food composition and food consumption over the years, lately as member of COST Action 99 – Eurofoods, co-chairing working group on Food Data Management and Interchange, partner in EU-FAIR BASIS project, co-chair of Database Merger Group. Currently, he participates in the EPIC Nutrient Database expert group on standardisation of European nutrient databases; The Nordic working group on food composition data under the Nordic Council of Ministers. He is responsible for a series of Internet based databases: Møller, A., Ireland, J.: LanguaL Food Description Home Page, 2001 (<http://www.langual.org/>); NORFOODS Home Page, 2003 (<http://www.fooddata.dk/norfoods/>); BASIS Technical Homepage, 2001 (<http://www.foodcomp.dk/basis/>); NNT-Nordic Food Additive Database, 2003 (<http://www.foodcomp.dk/foodadd/>); Unwin I.D., Møller A: Eurocode 2 Food Coding website, 2000 (<http://www.foodcomp.dk/eurocode/>).

*Jayne Ireland* is formerly head of the French Food Composition Databank (CIQUAL), in the Division of Nutritional and Sanitary Risk Evaluation (DERNS) of the French Food Safety Agency (AFSSA, now ANSES), and now works for DFI as a Senior Researcher. She is a member of the expert group for the standardized pan-European ENDB (EPIC) database and is currently taking part in an FAO expert consultation on food data interchange. She has participated in other European projects: FLAIR/Eurofoods-Enfant; EFCOSUM; COST Action 99 – Eurofoods, working groups on Food Data Management and on Food Identification (chairman). In the domain of food identification, she is responsible for the International Secretariat of the LanguaL thesaurus for food description in numerical databases and has participated in EuroFIR since 2005.

### **Beneficiary 8 - ETH Zurich (ETHZ), Switzerland**

The ETH Zurich ([http://www.ethz.ch/index\\_EN](http://www.ethz.ch/index_EN)) is one of the internationally leading Universities, is an institution of the Swiss Confederation dedicated to higher learning and research. The Swiss Food Composition Database is managed within the SwissFIR Project, which is associated with the Consumer Behaviour Group at the Institute of Environmental Decisions in the Department of Agricultural and Food Sciences of the ETHZ. The mission of

the Department of Agricultural and Food Sciences is to understand the components of the food chain (world food system) from the molecular and organizational to the socio-economic level and their interactions within and between these levels, to create and provide scientific basis for global food security, safety and quality by sustainable use and processing of natural resources, and to provide a frame for excellent teaching and research to assure future competence in agricultural and food sciences.

**Role:** Overall WP-L for WP2 on systems integration and operations support especially the implementation of FoodCASE; task leader for data quality (WP1) and a member of the EAB/TSB.

### **Profile of key staff members:**

*Dr Paolo Colombani (Lead Researcher)* is senior scientist at the Department of Agricultural and Food Sciences and there associated to the Consumer Behaviour Group of Prof. M. Siegrist. He is a trained food scientist with a strong background in human nutrition, earned his doctoral degree at the ETH Zurich and is lecturer in human nutrition at the ETH Zurich. He is project manager of SwissFIR, compiler of the Swiss Food Composition Database and his current research interests include the understanding of food information, the quality of food composition data and its influence on the use of food composition information such as in dietary assessments. As a partner in EuroFIR, he re-introduced the Swiss activities in the field of food composition databases into an international level. He was strongly involved in several EuroFIR activities, including the sustainability works.

*Prof Michael Siegrist* has been Associate Professor of Consumer Behaviour since 2007. He studied psychology, economics and mass communication at the University of Zurich. Professor Siegrist has published numerous articles about risk perception, trust, risk communication and risk management.

*Prof Hans Hinterberger* is a professor at the Department of Computer Science. His research interests are Large Scientific Databases, Multidimensional Data Structures, Multivariate Visualisation, and Computer-Supported Instruction.

*Ines Neeracher* is a food engineer with diploma in human nutrition (ETHZ) and strong communicative skills. As a former project manager in the Swiss food industry with expertise on market analyses, development and introduction of new food products, and on customer assistance.

*Karl Presser* is a collaborator of the Department of Computer Science, where he is currently acting as Ph.D. student in the working group led by Prof Hinterberger. His research is focused on data quality in scientific database systems by example of food composition databases. In collaboration with SwissFIR and some 20 international, mainly European partners a new database system is currently built according to standards developed by EuroFIR, which will be a productive application as well as a research object.



## **Beneficiary 9 - Danish Technical University (DTU) Denmark**

DTU (<http://www.dtu.dk>) is an independent research and education institution. The objectives for the National Food Institute are based on research to promote safe and healthy food, to promote healthy food habits and prevent food related diseases in humans, and to maintain a laboratory preparedness ensuring immediate and effective actions on animal health and food safety issues. The National Food Institute's services to the authorities follow the international risk analysis principle founded on a clear separation of the responsibility for risk assessment and risk management. The National Food Institute is responsible for risk assessment, while the Danish Veterinary and Food Administration is responsible for risk management. The National Food Institute is responsible for risk communication related to scientific risk assessment. Risk communication includes an open exchange of information and opinions concerning risk and risk management between risk assessors, risk managers, consumers and other interested parties.

**Role:** Providing food data and information for Denmark (WP2); participating in Compiler Network (WP6) for feedback evaluations and supporting the development of eBASIS (WP3).

### **Profile of key staff members:**

*Tue Christensen* is a researcher at The National Food Institute at DTU. He has more than 25 years of working experience in the field of dietary calculation and food composition data, from private enterprises, governmental institutions and lately from the Technical University of Denmark. He is a M.Sc. in food science, but has gained broad knowledge of systems development concerning software for intake estimation. Together with Erling Saxholt, he is responsible for the Danish food composition databank on the internet.

*Erling Saxholt* is the main food composition data compiler at The National Food Institute at DTU and has been working in the field of food composition nearly 20 years. His main working areas are food composition database compiling, project management for food surveys and chemical nutrient analysis projects and dissemination of food composition data.

*Dr John Chr. Larsen* is a consultant in toxicology and risk assessment at the National Food Institute. He has more than 30 years of experience in the area of risk assessment of natural and man-made chemicals in food. He has been a member of the FAO/WHO Joint Expert Group on Food Additives (JECFA) for almost 20 year and since 2001 a member of the Scientific Committee for Food of the European Commission followed by membership of the Panel on Food Additives in the European Food Safety Authority (EFSA) for which he currently is the chairman. He has participated in the EUROIR and EBASIS as an evaluator of the biological effects of plant constituents and of the EBASIS as an evaluator of the toxicological effects of plant constituents.

*Karin Nørby* is toxicologist at the National Food Institute with more than 15 years of working experience in the field. As a member of the FLAVIS scientific secretariat she has participated in the development and design of the FLAVIS database covering basic as well as toxic information on nearly 2700 flavouring substances. Besides the database management, she is well experienced in searching and collecting data for preparation of the draft opinions to the



EFSA CEF panel and working groups on flavouring substances. Furthermore, Karin Nørby is database manager and evaluator for the Toxicological part of the eBASIS database on bioactive (health beneficial or toxic) compounds in food plants and edible mushrooms.

### **Beneficiary 10 - Swedish National Food Administration (NFA), Sweden**

The National Food Administration (<http://www.slv.se>) is the central authority for food matters in Sweden and is responsible for food legislation and food control. Important areas are food safety and healthy food habits and information on these matters to the consumer. The Research and Development (R&D) Department is responsible for risk assessment of chemical and microbiological hazards in food. Another area is analysis of foodstuffs and development of analytical methods for food control. Studies on the nutritional composition of foods and on dietary habits are also carried out. The NFA also runs several proficiency testing programmes for chemical and microbiological food analyses. The Information and Nutrition Department is mainly responsible for nutrition recommendations and guidelines, food composition data (nutrients), monitoring of food consumption and nutrient intake and information on healthy eating habits. The NFA is also responsible for compiling the official food composition data for nutrients in Sweden and regularly publishes food composition tables and the database is now available on the NFA website ([www.livsmedelsverket.se](http://www.livsmedelsverket.se)). The food composition database is managed by the Information and Nutrition Department while analytical studies carried out at the R&D Department. The personnel have long experience in the management of food composition data and in technical matters regarding the management of food composition databases. The database is used for calculation of nutrient intakes from dietary survey data. The NFA has during recent years been engaged in several international studies and collaboration activities related to food composition and consumption funded by EU and international bodies.

**Role:** Task leader on the CEN food data standard (WP1); providing food data for Sweden and participating in Compiler Network for feedback evaluations (WP3).

#### **Profile of key staff members:**

*Dr Wulf Becker* is a senior nutritionist Swedish National Food Administration with long experience in the field of food composition and consumption. He has participated in previous European and international projects in the area, e.g. FLAIR Eurofoods Infant, COST 99 Eurofoods, EU-funded projects on trans fatty acids (TRANSFAIR 1995-99), PAN-EU survey on consumer attitudes to food, nutrition and health, Food Consumption Method (EFCOSUM 1999-2000) and Eurodiet (1998-2000). He has also been responsible for Nordic projects on improving comparability and availability of national food balance sheets and intake assessments for nutrients.

*Anna Karin Lindroos* is head of the Food Data division at NFA from 1 January 2011. She achieved her PhD in 1998 and has long experience of working with dietary assessment, food composition data and statistical analyses. Before joining the NFA, in April 2010, she worked for MRC Human Nutrition Research (HNR) in the UK as a senior research scientist. Her research has focused on diet, obesity and health outcomes and she has experience from dietary interventions studies, epidemiological studies and systematic reviews. She has also experience

from EU-projects and has coordinated the work of assigning glycaemic index (GI) values to five European food composition tables.

*Dr Veronica Öhrvik* is food agronomist at the Swedish National Food Administration and work with the Swedish Food Composition Database. She has a degree in food science and experience in food analysis and human trials. Her main responsibilities include compilation of data and database maintenance. She has been student Beneficiary in EuroFIR.

*Anders Staffas* is an analytical chemist at the Swedish National Food Administration (NFA) and is responsible for the analyses of fat-soluble vitamins in foodstuffs since 1996. In that function quality assurance is an important part of the work. The major part of the work is analyses of different foods for the Swedish Food Composition Database, but he also deals with development and improvement of analytical methods. He is also involved in the Proficiency Testing Programme on Vitamins run by the NFA, where one round per year is performed.

### **Beneficiary 11 - The Institute for Medical Research, University of Belgrade (IMR), Serbia**

IMR (<http://www.imi.bg.ac.yu/>) is a leading research institute which conducts fundamental and applied research in the field of biomedicine, basic biomedical research, postgraduate education, public health and nutrition. The main expertise of the institute are: research in nutrition and public health, nutrition expertise, nutritional epidemiology; obesity; nutrition and NCDs, nutrition education and counselling, healthy nutrition promotion, teaching human nutrition and dietetics, B.Sc and postgraduate level. The Department of Nutrition and Metabolism composed of food scientists, nutritional researchers, nutritionist, medical doctors, biologists, molecular biologists, chemists, pharmacists, biochemists all active in nutrition research. Our researchers were involved in the national study of atherosclerosis risk factors, nutritional status and the quality of nutrition in schoolchildren as well as diet and health status in adult population. IMR has created several software packages for nutrition planning and diet modelling, dietary evaluation of the nutrition quality based on food record, nutritional status monitoring and evaluation of the population.

**Role:** Responsible for developing the CiteXplore interface in WP2; providing food composition data for Serbia (WP2) and feedback evaluations (WP3); and leading Task 4.4 on implementing the Balkan Food Platform (WP4).

#### **Profile of key staff members:**

*Dr Mirjana Gurinovic (MD, RPHNutr)* is an experienced scientist who is actively engaged in research concerned with nutrition, diet and health. She actively takes part in scientific meetings, congresses, symposiums in the country and abroad and has over a 260 published papers, abstracts and reports in domestic and international peer reviewed journals. She is the author and/or editor of 17 published books or monographs and 11 software applications in the field of food and nutrition and other activities of preventive medicine. She has also developed several software packages as above. She is a member of a number of professional associations including CEECFOODS, ECOG, EANS, FENS, UN SCN and the Nutrition Society. She is a Network Coordinator for Capacity development in Nutrition in CEE Countries as well as

Food and Nutrition information in Agroweb Network and World Food Day celebration in CEE countries.

*Prof Maria Glibetic (Research Director, Senior Researcher, Head of Department for Nutrition and Metabolism)* is an experienced basic researcher involved in nutritional study in defining the role of lipids in health and disease. She has over 300 published peer-review papers, abstracts, and reports in national and international journals. She is one of highly cited scientist in Serbia (more than 500 citations). She is a PI of many national as well Co-PI on international scientific grants.

### **Beneficiary 12 - The Swedish University of Agriculture Sciences (SLU), Sweden**

SLU (<http://www.slu.se/>) is the only Agricultural University in Sweden and is located mainly in Uppsala. It includes the Faculty of Natural Resources and Agricultural Sciences; Faculty of Veterinary Medicine and Animal Science and Faculty of Forrest Sciences. The university has a defined role in society: to take responsibility for the development of learning and expertise in areas concerning biological resources and biological production. Food is one of five main areas of interest. The Department of Food Science pursues teaching and research linked to Masters and PhD programs in Food Science with focus on food quality & technology, diet & health. The department includes four divisions: Food Chemistry, Plant Product Science, Meat and Dairy Sciences with expertise in lipids, especially cholesterol and phytosterols, lipid oxidation & products; starch and dietary fibre composition, acrylamides; vitamins; other bioactive compounds, especially common phenolic compounds, as well as lignan, alkylresorcinols and avenanthramides. The Department of Food Science has a staff of around 60 people, including more than 2 senior scientists, 20 PhD-students and around 10 technical/administrative staff. We participate in methodological intercomparison with the Food Administration authorities in the Nordic countries. On European level we contribute in different net-works and shared cost projects, e.g FLAIR, BCR, EU-MAT, COST, EU's RTD-frameworks, Heattox, Healthgrain, EuroFIR (NOE), Feeding Fats safety.

**Role:** Responsible for individual training exchanges and eLearning implementation (WP4) and contributing data quality and method repository (WP1).

#### **Profile of key staff members:**

*Assoc Prof Cornelia Witthöft* is a research scientist at the Dept of Food Science, also coordinating a human nutrition course and supervising PhD and MSc students. Her research focuses on method development, vitamin retention studies during food processing, and vitamin bioavailability using in-vivo and in-vitro models. She participated in the EU FLAIR EU-SMT studies for vitamins, and FP5 folate projects. In EuroFIR, she was co-WP-L for training and education with responsibilities for training exchanges. She is member of the Swedish Nutrition Foundation (SNF) and the European Nutrition Leadership Programme Alumni Association (ENPL-AA).

*Prof Afaf Kamal-Eldin* is a research scientist at the department of Food Science, SLU. Her research is focussed on the analysis and properties of bioactive components in food, their metabolic interactions and their use as biomarkers of intake. She has vast experience in supervising and advising graduate and postgraduate students and has a wide range of collaboration with universities from all over the world. Afaf is helping different granting

organisations in the evaluation of grant applications from developing countries and is serving as associate editor for a number of journals in the field. She has participated in a number of EU projects and held several grants from national funding in Sweden.

*Assoc Prof Jelena Jastrebova* is an associate professor at the Dept of Food Science. Her research is focused on chromatographic and mass spectrometric profiling of plant extracts as well as development of chromatographic methods for measuring vitamins and bioactive compounds in foods. She supervises MSc and PhD students and post-doctoral researchers. She is responsible for HPLC and LC-MS courses for PhD students.

### **Beneficiary 13 - VUP Food Research Institute (Výskumný Ústav Potravinársky; FRI-SK), Slovak Republic**

FRI-SK (<http://www.vup.sk/>) is a governmental research institution established by Ministry of Agriculture in 1950 to carry out scientific food research, specialised professional and advisory activities for food industry. The key scientific research includes analysis of natural compounds and contaminants, food biotechnology and GMOs, microbiology and molecular biology, risk analysis of food chain, food composition data bank, modern food technologies and food quality and safety issues. FRI-SK as the coordinator of the Centre of Food Research Excellence consisting of 13 scientific and research national organisations is involved in strengthening national food policy, in supporting new scientific projects, creating tailor-made research programmes, improving discussion among stakeholders and preparing resolutions for the Government. The institute provides advisory service and expertise for national food producers in certification of traditional Slovak food products within the Food Quality Policy of the EU. FRI-SK is financed partially from state budget via national research and non-research projects, and partially from other sources (international projects, laboratory analysis for industry, professional advisory and educational activities, etc.).

**Role:** Contributing to the thesauri maintenance and updating and data and document repositories (WP1); providing food composition data for Slovakia (WP2) and feedback evaluations (WP3).

#### **Profile of key staff members:**

*Dr Peter Simko* is a Deputy Director for Science and Research.

*Anna Turzova (Lead), Monika Morochovicova and Eva Kovacikova* are compilers of the Slovak Food Composition Data Bank (SFCDB). They represent a special working group of the Department of Risk Assessment, Food Composition Data Bank and Consumer's Survey. They are working on management, standardisation and actualisation of the SFCDB. An important part of their work is dealing with software development in cooperation with an external programmers. Their activities include compilation of the food composition tables and educational materials (handbooks, teaching tools, leaflets and software) for public. The working group has had an outstanding contribution in creation of Sub-regional Technical Cooperating network on food composition in Central and Eastern Europe (CEEFOODS) during 1995-2004.

**Beneficiary 14 – French Agency for Food, Environmental and Occupational Health Safety (Agence Nationale de Sécurité Sanitaire de l'alimentation, de l'environnement et du travail, ANSES), France**

The 1st of July 2010, the French Food Safety Agency (AFSSA) and the French Agency for Environmental and Occupational Health Safety (AFSSET) have merged to become the French Agency for Food, Environmental and Occupational Health Safety (ANSES). ANSES (<http://www.anses.fr>) shall acquire all the rights and obligations of AFSSA and AFSSET. AFSSA was a partner of EuroFIR NoE (FP6) and full member of EuroFIR AISBL.

Regarding food, ANSES's main mission is to contribute to food safety from the production of raw materials to the distribution to the final consumer. Its activities comprise assessment, research, and scientific and technical support. The Agency has very wide area of competence, covering all food sectors: animal and plant products, drinking water, human food and animal feed. It assesses the nutritional and health risks that may be posed by food intended for human or animal consumption. Its 11 laboratories carry out reference work at national and European level as part of testing and controls and conducts training and information initiatives. As part of its assessment brief, ANSES issues opinions and recommendations and produces reports, which are published and can be consulted on the Agency's website ([www.anses.fr](http://www.anses.fr)).

The department responsible for the assessment of nutritional and food safety risks (*Department for Food Health Safety, DSA*) co-ordinates and prepares the work of Expert Committees and work groups. The 250 experts, drawn from a variety of disciplines and institutions, are appointed after a public advertisement for candidates. Within this department, the Scientific Risk Assessment Unit (PASER, about 30 scientists) provides scientific support to research and Expert Committees. It is composed of three parts: *The Observatory of Food Consumption and Nutritional Epidemiology Unit (OCA-EN)* builds up detailed knowledge of the population's food consumption and habits; *The Chemical Exposure and Quantitative Risk Assessment Unit (AQR-PC)* assesses population exposure to physico-chemical risks and identifies the determinants, organises food contamination monitoring, performs risk modelling and risk/benefit approaches, carries out research work and provides biostatistical and methodological assistance with risk assessment; and *The French Information Centre on Food Quality (CIQUAL)* gathers and assesses data on the composition of the food consumed in France. This information is then processed and aggregated to produce reference nutritional values for generic food items. Through this knowledge of food composition, the CIQUAL contributes to health and nutrition assessments. The food nutritional composition table containing these data can be found online on the ANSES site: <http://www.afssa.fr/TableCIQUAL/>. Its food composition database is used for calculation of nutrient intakes from dietary survey data. CIQUAL participates to the French Food Quality Observatory (OQALI), a new database focusing on real food products sold in France. This unit has already contributed to national programmes such as NutriPrevius and European programmes such as COST Action 99 Eurofoods, ENDB and EuroFIR.

**Role:** Contributes to the data quality evaluation system (WP1); providing food composition data for France (WP2) and feedback evaluations (WP3).



### **Profile of key staff members:**

*Dr Benoît Labarbe* is a food scientist, head of the French Information Centre on Food Quality (CIQUAL). His skills cover analytical chemistry, data mining and food ingredients from plant sources. He is chairman of the French standardisation mirror committee of CEN/TC387 (AFNOR/V10A) working on electronic interchange of food composition data. He has formerly participated in other European projects under FP6 (EuroFIR) and FP5: QUANALVI, ELEN TOOL and TYPIC (Typical Food Products in Europe: Consumer Preference and Objective Assessment).

*Dr Jean-Luc Volatier* is a senior biostatistician, head of Scientific Risk Assessment Unit (PASER). He has participated in previous European projects in the area of food composition and food consumption: COST 99, EFCOSUM, DAFNE, EuroFIR. He participated in the sampling plan of foods to be analysed for the French Total Diet Study. He was the project leader of the French National Dietary Surveys INCA & INCA 2.

*Marine Oseredczuk, Laure Koulian-du Chaffaut, Isabelle Berta-Vanrullen and Céline Ménard* are compilers working on the French Food Composition Databank and the French Observatory of Food Quality. They are all actively involved in EuroFIR project.

### **Beneficiary 15 - Instituto Nacional de Saúde Dr. Ricardo Jorge, National Institute of Health (INSA), Portugal**

INSA (<http://www.insa.pt/>) was created in 1899 and is a recognized leading centre of expertise in the field of Public Health, developing its activities as State Laboratory of the health sector, as National Reference Laboratory and as National Health Observatory. INSA is a public institution endowed with technical, administrative and financial autonomy, depending directly from the Ministry of Health and under the auspices of the Ministry of Science and Technology. *The Food and Nutrition Department (DAN)* is one of the six INSA's Departments and develops activities in the areas of food safety and nutrition aiming to contribute to public health gains through the study of the situation of the country in the scope of food safety and nutrition. The department works in the promotion of health, prevention of food borne diseases and improvement of the nutritional status of the Portuguese population, developing activities of research, surveillance, reference, providing a diversity of services, training, information and consultation. The Food and Nutrition Department cooperates with similar institutions and with other national and international organisations namely WHO, FAO, EFSA, participating in national and international Programs and Projects covering Monitoring and Surveillance, Reference and Research & Development.

**Role:** is overall WP-L for quality standards, certification and thesauri support with especial responsibility for quality management systems (Task 1.2) and harmonization activities (Task 1.5) in WP1; provides food composition data for Portugal (WP2) and feedback evaluations (WP3); and is a EAB member.

### **Profile of key staff members:**

*Dr Maria Antónia Calhau* is Head of Food and Nutrition Department of the Portuguese National Institute of Health since 1997 and Co-ordinator of the Laboratory of Contaminants and Food Packaging Materials since 1995. Her main scientific areas of research are Food Contact Materials, Food Safety, Food contaminants and Food Chemical Analysis. From 1992 to 2002 she was Professor of Food Toxicology at the Health Sciences Institute (Private University), Lisbon.

*Dr Isabel Castanheira* has a degree in Pharmaceutical Sciences and PhD in Quality Control, working in the field of Quality and Metrology since 1990. Between 1992 and 2001, she worked at National Institute of Metrology and was Head of Department of Metrology in Chemistry. She was responsible for the development of Portugal national facilities of chemistry primary standards. She has ample experience in European research projects as a Beneficiary co-ordinated by EUROMET, BIPM, INITIATION (FP5 – SMT) and CERMATAIR. She has been a member of Scientific Evaluation Group of BCR on certification of Reference Materials (1996-2002) and she is currently Senior Researcher developing projects in the area of food science related with Certified Reference Materials. She has published several papers in the area of quality assurance, measurement uncertainty, traceability in chemistry and reference materials.

*Luísa Oliveira* leads the Monitoring and Surveillance Unit and has been head of the Food Chemistry Laboratory since 2003. Since 1991, she has worked on vitamins, food additives and contaminants analyses and her current main research areas are food analysis (especially vitamins), food composition data, food contaminants and analytical Quality. She was National Focal Point for SCOOP task 3.2.3 (Nitrates). She has experience in reference materials certification, having participated in LGC programmes and in Methods Standardisation being member of National and European Technical Committees on Food Analysis Horizontal Methods (vitamins and food additives).

### **Beneficiary 16 - National Institute for Health and Welfare (THL), Finland**

THL (<http://www.thl.fi>) is a research and development institute under the Finnish Ministry of Social Affairs and Health and works to promote the well-being and health of the population, prevent diseases and social problems, and develop social and health services. THL aims to ensure continuing positive health development in all social groups of the population, to decrease chronic diseases and health problems at lower educational status, to prevent new health threats (e.g. bio threat, air, water) and promote the functional capacity of the elderly. The main functions of THL for this purpose are research in health monitoring, the dissemination of health information and the promotion of international collaboration. *The nutrition unit* manages the Finnish food composition database (FCDB) and disseminates data on the Internet ([www.fineli.fi](http://www.fineli.fi)) and as a printed table. The nutrition unit is in charge of methodology in dietary data collection, software development, and use of the FCDB in dietary surveys. The latest national dietary survey (FINDIET 2007) was carried out with computer-assisted 48-hour recall (Reinivuo et al. 2009, in press; [www.thl.fi/publications/B-series](http://www.thl.fi/publications/B-series)). The Fineli site is implemented in three languages including English and has over 3000 visitors per day. The foods and nutrient content of FCDB Fineli is updated yearly and the data is compiled from the food chemistry laboratories of the universities, Agri-Food Research Center and

private companies. The national updating program of the food composition in Finland is an important current task for the FCDB Fineli.

**Role:** Leads task 2.1 on web services and provides food composition data for Finland (WP2) and feedback evaluations (WP3); and is a TSB member.

### **Profile of key staff members:**

Heikki Pakkala is a technician whose expertise has been used in the systematic development of the Finnish national food composition database Fineli. He managed the reformation of the Fineli-system including the software for entering of dietary interview data and the calculation system built for the use of FCDB in dietary surveys. In EuroFIR, he has led the web services sub-group.

Heli Reinivuo is a researcher at the Nutrition Unit since 2000 and is active in the development and management of Finnish National Food Composition Database. She is the leader of the national food composition databank in Finland and is responsible for the use of the databank in national dietary surveys. She is also active in the EU funded project on Flavourings, additives and contact materials (FACET) and is a national delegate of CEN task group 387.

Dr Maria-Leena Ovaskainen is a researcher in food composition and consumption areas including national dietary surveys and participated in COST 99 project and EuroFIR. She is currently participating in WHO/EC Obesity prevention monitoring project. She has published over 50 scientific articles concerning methodologies and dietary habits both in adults and in children.

### **Beneficiary 17 - Istituto Nazionale di Ricerca per gli Alimenti e la Nutrizione (INRAN). Italy**

INRAN (<http://www.inran.it/>) is a government-funded research organization, under the Ministry of Agriculture, Food and Forestry Policy, which carries out basic and applied research in food science and human nutrition. It is organized in three scientific and technological departments: Food Science, Nutrition Science, Applied Food Science. Over 150 people work at INRAN, of which around 75% are scientists with competence in food chemistry, food technology, human nutrition, nation-wide dietary surveys, nutritional database design, sensory analysis, consumer food choice, nutrition education interventions. Current activities include developing the National Food Database and its application in various national and international food and nutrition research programmes. INRAN promotes nutritional and food education by preparing and diffusing nutritional guidelines (Italian RDAs) and Italian food composition tables. INRAN advises the Ministry of Agriculture, Food and Forestry Policy on human nutrition and consumer policies. The Institute collaborates with universities and other scientific organisations at national and international level and it is a WHO Collaborating Centre. Experts of INRAN collaborate with committees arranged by the European Union and other international organisations (*e.g.* FAO, Codex Alimentarius, EFSA). Currently, the new information database management system for food composition database is implemented according to standards developed by EuroFIR.



**Role:** provides food composition data for Italy (WP2) and feedback evaluations (WP3).

**Profile of key staff members:**

Dr Aida Turrini is Head of the research program “Database System at INRAN: food composition and consumption data” and she leads food intake surveys tasks within strategic project Food Quality and harmonization of surveys on food consumption and life styles within the nutrition research field (“Palingenio”). She has extensive research experience in nationwide food consumption surveys and food database management.

Dr Luisa Marletta is a Scientist and since 1992 responsible for the Italian Tables on Food Composition. She works on the development, management and updating of the INRAN Database and on data standardization. Her current research focuses on recipe calculation, weight change and retention factors, and traditional and regional foods. She is also coordinator for the national projects concerning the food nutritional quality and composition and a national delegate for CEN Task Group 387.

Emanuela Camilli is a computer technician where she works as database designer and developer for food composition data and in EuroFIR she is involved in food coding, calculation of recipes, and value documentation, and or the implementation of the food composition database management system.

Dr Laura D’Addezio is a statistician in food consumption survey implementation and data processing. Her main areas of interest are food coding, description (LanguaL), and classification as well as applying qualitative methods and assessing dietary profiles within dietary surveys.

Dr Claudia Arganini is a nutrition researcher and has experience in dietary exposure assessment and food consumption data analyses. She participated in various national and international projects on food and nutrition surveillance, health promotion and prevention of nutrition related chronic diseases.

***Beneficiary 18 – International Agency for Research on Cancer (IARC). France***

The International Agency for Research on Cancer (IARC), <http://www.iarc.fr/>, is part of the World Health Organization. IARC's mission is to coordinate and conduct research on the causes of human cancer, the mechanisms of carcinogenesis, and to develop scientific strategies for cancer prevention and control. The Agency is involved in both epidemiological and laboratory research and disseminates scientific information through publications, meetings, courses, and fellowships. The Dietary Exposure Assessment (DEX) Group of the Agency has been involved in several previous and on-going related international projects and collaborations to develop advanced standardized dietary methodologies for large (future) nutritional epidemiological studies (e.g. EPIC, EFCOSUM, EFCOVAL). IARC has the copyright of the 24-h-recall EPIC-SOFT program (and related tools, databases and guidelines), a standardized computer program with a common food coding system which allows to establish a uniform quantitative measure of diet across study centers.

**Role:** Within WP2, IARC leads task 3, the conceptual specification for an interface between the EPIC Soft Methodological Platform, EMP, and eSearch Facility.

**Profile of key staff members:**

Dr Nadia Slimani has a PhD on Nutrition from Wageningen University (The Netherlands), a master degree on cellular biology and physiology and a specialisation on nutrition in developing countries. She is head of the Dietary Exposure Assessment (DEX) Group of IARC. She is coordinating the EPIC nutritional working group, the EPIC Nutrient Database Project (ENDB) and other projects at the international level. She was a member of the committee supervising the French national food survey INCA2/ENNS, member of European Food Information Resources (EuroFIR) User Advisory Group and member of the EFCOVAL management team.

Mr Jérôme Vignat has a M.Sc. degree in Ecology and the Environment followed by a postgraduate specialization in Analysis and Modelling of Biological Systems as well as in computer programming. He has been working as a computer programmer at IARC since 1998. He is principally involved in the ENDB project coordinated by IARC as database manager and software developer to maintain and upgrade the food compositional database mainly for Epidemiological purpose.

Ms Geneviève Nicolas is an engineer in Biological Engineering and has a M.Sc. degree in Food Science. She has been involved in the EPIC project since 1994, mainly dealing with the maintenance and checks of the nutritional databases of EPIC-Soft. She has also participated in the ENDB project and in other international projects in which IARC/DEX has been involved. She is in charge of the nutritional databases of DEX.

Ms Corinne Casagrande is a data manager and a statistic assistant (BTS: Diploma of superior technician in computer science in Toulouse (France) and DAS: Diploma of Scientist Analyst in Toulouse). She has been involved in the EPIC project at IARC since 1990, particularly in the development of the software EPIC-Soft that allowed to collect the 24-hour diet recall data in the EPIC project.

Dr Heinz Freisling has a PhD in nutrition from the University of Vienna (Austria) and is currently a post-doc at IARC in the DEX Group. He has experience in dietary exposure assessment as a previous scientific co-worker in the Austrian Study on Nutritional Status. He was the previous principal compiler of the Austrian food composition database and scientific co-worker in several international European Commission funded research projects on diet and health including the EuroFIR project.

**Beneficiary 19 - Topshare (WU), The Netherlands**

Topshare International B.V. is an SME that builds flexible and simple to use web-based solutions that help you and your professionals exchange knowledge via the internet. Large international networks of excellence use Topshare as an interactive Intranet on which they share knowledge and communicate on important topics within its context. Topshare's unique approach to knowledge exchange issues helps you to eliminate high email traffic and gives you and your co-workers access to the knowledge anywhere anytime. Using the website

(public and Intranet) knowledge about subjects and persons are exchanged and shared. Since 2007 we started with development of e-learning modules and extended Topshare with SCORM support. We have a lot of experience with the development of e-learning content that requires the student to actively interact with the content and are currently doing a lot of research on tools for management of competences and assessments. In line with above Topshare is a Distance-learning producer. The E-learning modules can be used, apart within the Topshare application, on all major Learning environments used by Universities and other Public Organisations.

**Role:** Development and implementation of EuroFIR's eLearning modules on vitamins with WU.

### **Profile of key staff members:**

Dr. Jan Houwen holds a university degree (MA) in Musicology and specialized in Information Science at the Department of Computers & Arts at the Utrecht University. In 1997 he started his career at AltaVista (once one of the most popular Internet search engines) and was responsible for building up an efficient and effective hardware and software information infrastructure for the European Sales force. In 1998 he joined Media@vantage to develop web communities for Microsoft Certified Engineers and BalieNET, an Intranet for all Dutch lawyers. In 1999 he joined Baan Business Associates as Web Development Expert and became Chief Technology Officer at Topshare in June 2000. From 2003 onwards he became co-owner of Topshare International BV and responsible for operational management of the hosting environment and account/project management for our customers in the educational market (universities and higher education). The projects mainly focused on supporting knowledge exchange within multidisciplinary teams, capturing experience and development of new knowledge and actively applying new knowledge, but also the use of Topshare for content management of the schools public website and as intranet. He heads the team for e-learning and assessment development.

## **B 2.3 Consortium as a whole**

The EuroFIR Nexus consortium comprises:

- 19 beneficiaries from 11 EU Member States (UK, BE, IE, NL, DK, SW, SK, FR, PT, FI & IT), and Associated countries (CH & RS), representing 8 national FCDB compiler organisations (and ALL being EuroFIR NoE beneficiaries):
  - The beneficiaries also include 8 (out of 9) of the founding partner organizations for EuroFIR AISBL (and represent a further 11 national FCDB compiler organisations);
  - The beneficiaries represent a range of legal entities including 6 universities, 7 public research institutions, 2 non-profit bodies or foundations and 4 SMEs;

- Beneficiary EuroFIR AISBL includes 23 third parties (see table 2 below) consisting of 15 national FCDB compiler organisations from 15 countries, and 7 supporting partners (see Beneficiary 2: EuroFIR AISBL in 2.2.2 above). The third parties represent a range of legal entities including 6 universities, 13 public research institutions, 2 non-profit bodies or foundations and 2 SMEs.

**Table 2:** Third Party organisations

Beneficiary	Third Parties			
	IDUFIC	RIVM	FERA	UHEL
	HEDPC	JSI	POLYTEC	ISPO
EuroFIR AISBL	NCPHP	NUBEL	HHF	NFNI
	MRI	MATIS	GUT	TÜBITAK
	AUA	NFSA	TTZ	UL
	FC-FVS	UGR	UVI	

The EuroFIR Nexus consortium is well-balanced in terms of the inclusion of national FCDB compiler organisations (either as beneficiaries or third parties under EuroFIR AISBL), and geographic representativeness across Europe (NSWE axis) – an essential requirement for the EuroFIR Food Platform – with strong collaborative links to centres in EECA, WBC and MPC. The existing MoUs with national FCDB compiler organisations already cover non-EuroFIR countries (EE, HU, CZ and HR), and further MoUs will be developed (see WP3). EuroFIR Nexus will build on our already well-established and strong links to FAO INFOODS, especially to several ICPC countries in Latin America, Caribbean, and Asia.

The consortium comprises of expertise in all necessary sectors needed in this proposal as evidenced by profiles for the beneficiaries and third parties in section 2.2 above including:

- National FCDB compiler experts;
- Quality and analytical technologies;
- Food informatics and information technology;
- Research in food, nutrition and consumer research;
- Sustainability, business development and marketing;
- Training and eLearning;
- Network management, dissemination and stakeholder interaction.

A number of SMEs are also involved in the project, in the areas of food informatics, food databases, software and IT solutions.

There is no subcontracting foreseen.

## B 2.4 Resources to be committed

The overall costs for the project are in the A3 form and are summarised in Table 4 on page 72.

The total costs of the project is 1,128,151 €.

The breakdown of costs per main activity type is well-balanced with 34% and 66% being allocated for Coordination and Other, respectively (based on total cost of the project with 7% indirect costs).

The contribution of the beneficiaries is therefore ca 251k€ and ca 113k€ based on FEC and 7% indirect costs, respectively. Additional funding will also be sought to support some of the planned activities (especially training course and e-Learning) including additional support from EuroFIR AISBL.

The **breakdown of person months (pms) per WP** is given in **Table WT1 (page 7 Section A)** and range from 15 pm (WP6) to 34pm (WP3). The total pms are 141.6.

The **breakdown of pms for each beneficiary and third parties** is given in **Table 5** and indicates that 4 beneficiaries (IFR, EuroFIR AISBL, DFI and ETHZ) have 8.0-29 pms due to their high involvement in several integrated activities across all WPs. The allocated pms are evenly distributed among the remaining 15 beneficiaries. In addition, 24.75pms (out of a total of 49.75pms) are allocated to third parties under EuroFIR AISBL including 14 national FCDB compiler organisations. This is central to our future goal for sustainability of the EuroFIR Food Data Platform involving nearly all national FCDB compiler organisations in Europe.

The total pms for **management** are 15 (7.5% of the total) and are allocated to IFR (13pms; existing EuroFIR NoE Coordinating Centre) and EuroFIR AISBL (2pms). The latter is included in order to support our medium-term goal to establish EuroFIR AISBL as the main contact point/bureau after the end of EC funding for this project.

The total allocated costs for **travel** (project meetings, dissemination and stakeholder events) and **other** (training & consumables) are 152k€ and 47k€, respectively, and represent a modest 18% recalculate of the total costs. The existing EuroFIR rules on all reimbursement of travel and subsistence will be continued and EuroFIR Nexus will operate a central travel budget (via IFR) for all travel and training activities (both pre-authorisation and payment).

**Table 3:** Breakdown of other direct costs

<b>Work Package</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Travel for certification visits	15000					
Consumables	2725	500	1250		5624	2925
Administrative support for NFA-SIS CEN Food Data Secretariat	10000					
IT & hosting support			9000			
Training				15000		
Central travel					137381	
<b>TOTAL</b>	<b>27725</b>	<b>500</b>	<b>10250</b>	<b>15000</b>	<b>143005</b>	<b>2925</b>

All third parties have been described within the description of Beneficiary 2 (EuroFIR AISBL), to which they are all attributed. The former third parties are all members of the EuroFIR AISBL; they have an established formal 'grouping' relationship to it, which is not limited to the grant agreement. There is no subcontracting foreseen.

**Table 5: Breakdown of Person Month allocation for each beneficiary and third parties for duration of the project**

<b>Beneficiary number</b>	<b>Beneficiary Name</b>	<b>Person Month Allocation for whole duration</b>
1	IFR	28.90
2	EUROFIR AISBL	14.50
Third Party	IDUFIC	3.00
Third Party	RIVM	3.50
Third Party	Fera	0.25
Third Party	UHEL	1.50
Third Party	JSI	3.50
Third Party	Polytec	3.50
Third Party	ISPO	2.00
Third Party	Nubel	0.50
Third Party	HHF	0.50
Third Party	NFNI	0.50
Third Party	HEDPC	0.50
Third Party	TÜBITAK	1.00
Third Party	AUA	1.00
Third Party	NFSA	0.50
Third Party	TTZ	2.00
Third Party	UL	1.00
3	Foodcon	5.00
4	UCC	5.00
5	WU	6.00
6	BNF	8.00
7	DFI	8.00
8	ETH	11.3
9	DTU	0.75
10	NFA	1.50
11	IMR	6.00
12	SLU	2.75
13	FRI-SK	4.00
14	ANSES	2.00
15	INSA	5.65
16	THL	1.50
17	INRAN	0.50
18	IARC	3.00
19	Topshare	2.5
<b>Totals</b>		<b>141.6</b>

## **B3. Impact**

### **B 3.1 Strategic impact**

EuroFIR Nexus will make major impacts in the expects areas as set out in the Call Text (FP7-KBBE-2010-4): Sustainable integration of EuroFIR NoE and contributing to the structure of European Research Area (ERA); and strengthening the scientific and technological excellence at the European level in Theme 2 of FP7 through further support, coordination of activities, dissemination and spreading of excellence. Our Expected Impact has been carefully matched to the Three Strategic Themes for Dissemination, Communication and Exploitation (see Section 3.2.1 below), namely:

- Strategic Theme 1: Providing access to high quality and validated food composition data for food quality, nutrition and public health challenges;
- Strategic Theme 2: Working with the food industry (especially SMEs) in Europe to address these challenges;
- Strategic Theme 3: Increasing understanding of the value of food composition data and its importance in helping consumers make healthier dietary choices;

The establishment of EuroFIR AISBL as the preferred medium term “sustainability vehicle” for further application and exploitation of validated food data and tools to support pan-European nutrition research, and networked usage, and implementation of standards and best practice has already clearly demonstrated partner commitment to integration and contributed to the ERA. This provides EuroFIR Nexus with a sound and solid framework for long-term financial self-survivability and sustainability.

The mobilisation of 27 national FCDBs from 25 European countries in EuroFIR and now EuroFIR Nexus has demonstrated the clear need for EuroFIR’s Food Data Platform at the European level. This allows better coordination of various national and regional funding schemes for food composition research and the ability to maintain and extend critical mass in this strategic important area. EuroFIR Nexus will continue to collaborate and interact with INFOODS (the Global network of national FCDBs), IUFoST and the newly established International Collaboration in Food Research (ICFR); all these initiatives reinforce Europe’s role as a world partner and also reduces duplication in the existing national efforts of the Member States in supporting FCDBs.

Furthermore, the added value of EuroFIR Nexus lies in its support and contribution to the ERA in Activity 2.2: Farm to Fork – Food (including seafood), health and well-being especially Area 2.2.6 (European Research Area), Area 2.2.1 (Consumers) and Area 2.2.2 (Nutrition) [see section 1.2 Coordination of high quality research] as summarised below:

In Area 3.1.2 – Consumers, the impact will be targeted towards supporting the implementation of DG SANCO’s regulations on provision of food information to consumers and on health and nutrition claims, and contribute to the European Commission’s Health and Consumer Protection Directorate The provision of validated data on non-nutrient bioactive data via eBASIS contributes to future potential utilisation and exploitation of the vast biodiversity of plant metabolites found in plant-based foods

In Area 3.1.3 – Nutrition, EuroFIR Nexus will build on existing partnerships, strategic alliances and contacts (particularly those with EFSA, IARC-EPIC, and several other ongoing



FP6 and new FP7 projects including Eurreca, MoniQA, BaSeFood and PlantLIBRA to disseminate and communicate the nutritional and public health applications of EuroFIR's products and services, as well as providing expert advice, training and support, using targeted resources and strategic collaborations. Over the past 5 years, EuroFIR's dissemination activities have focussed on raising awareness of the importance of food composition data and communicating the findings and achievements to key users and stakeholders.

The food industry has a pivotal role in shaping the food supply in order that consumers have access to healthy foods, designed to help tackle the public health challenges that Europe faces, and in helping consumers to make healthier choices through the information provided on food packing and at point of sale. EuroFIR Nexus and the EuroFIR Food Platform can play an increasingly pivotal role in helping to ensure that the food composition data used by companies during the reformulation of foods and the development of new foods, and the information subsequently used to prepare food labels is of the highest quality. Already completed EuroFIR work on traditional and ethnic foods has already provided a firm basis to extend the investigation of traditional foods to other regions of Europe (eg Black Sea – BaSeFood) and this can be further developed to contribute to the development of a integrated food guidance.

EuroFIR Nexus includes a “link” between EPIC-Soft food occurrence data (i.e. EPIC-soft exported consumption data) and food compositional data available in national FCDBs accessible through the EuroFIR platform that would significantly strengthen a standardized dietary methodology in Europe. In addition, it would address requests from national food consumption data managers and other European stakeholders (e.g. EFSA). This would make a key contribution to new research focused on epidemiological studies of the effect of diet, food composition and lifestyle factors using cutting edge food bioinformatics technologies in EuroFIR Nexus on the health of specific population groups in Europe. In addition, developing new tools and methodologies would allow comparability of data in Europe and the refinement of dietary recommendations and interventions.

EuroFIR has already developed a rapport with sections of the European food industry and this work will be expanded in EuroFIR Nexus. In particular, EuroFIR Nexus and the FCDB compiler organisations need to work more closely with industry to help ensure that national food composition datasets reflect the large amount of reformulation work (e.g. with regard to salt, fat and sugar) that is now taking place to improve the nutritional profile of the food supply. Those working in the food industry are a key stakeholder group for the EuroFIR Nexus and work to engage with them will continue. We recognise that SMEs will require particular support as they often lack the technical expertise available to large companies. The involvement of the EAB and ETP Food for Health will help to engage more effectively with industry at both the national and European levels.

The inclusion of representatives of the key stakeholders in the EAB will help to ensure that EuroFIR Nexus can achieve its intended impact in Europe and beyond.

## **B 3.2 Spreading excellence, exploiting results, disseminating knowledge**

### ***3.2.1 Dissemination, communication and exploitation strategy for EuroFIR Nexus***

Taking intellectual property rights into account, the Dissemination and Exploitation Strategy for EuroFIR Nexus will focus on:

- Exploitation of novel ideas for the use of the high quality food composition data generated in the EuroFIR network and made available via the EuroFIR Food Platform;
- Extending the reach of EuroFIR's current activities through identifying and accessing new users;
- Continuing the wide-spread dissemination of information about the existence of the harmonized and state-of-the-art food composition databanks, new tools, standards and codes of practice (developed and delivered by over the past 5 years).
  - a- The strategy will also foster a culture within the network that encourages partners to share knowledge and expertise within the network, and externally to users and other interest groups.

The overarching strategic aim of EuroFIR Nexus is to improve the connectivity between the availability and the use of such data and tools by the science community, regulators, policy makers and by the food industry, for the benefit of the population across Europe in particular. To this end, activities will be focussed on **three key strategic themes** that relate directly to the public health challenges faced by Member States and the role of the scientific community, regulators and the European food industry in addressing these challenges. These strategic themes concern:

#### Strategic Theme 1: Providing access to high quality and validated food composition data for food quality, nutrition and public health challenges

High quality and validated food composition data relevant to diets across Europe are vital to both researches and regulators engaged in improving public health and risk-/benefit assessment, particularly as regulatory work is becoming increasingly pan-European in order to meet various EC Regulations on nutritional labelling, and nutrition and health claims. EuroFIR Nexus will build on existing partnerships, strategic alliances and contacts built up over the last 5 years (particularly those with EFSA, IARC-EPIC, and other ongoing FP6/FP7 projects) to disseminate and communicate the nutritional and public health applications of EuroFIR's products and services, as well as providing expert advice and support, using targeted resources and strategic collaborations.

In EuroFIR Nexus, we shall continue this work but, now that the EuroFIR eSearch facility is available, there is the opportunity to become more directly engaged with the nutrition and public health applications of the data, available via the EuroFIR portal (see WP2). To this end, close co-operation and co-planning is envisaged between WP5 (Dissemination and Communication), WP1 (quality issues), WP2 (Food Data Platform and associated tools) and WP3 (shaping the business development strategy for long-term sustainability).

#### Strategic Theme 2: Working with the food industry (especially SMEs) in Europe to address these challenges

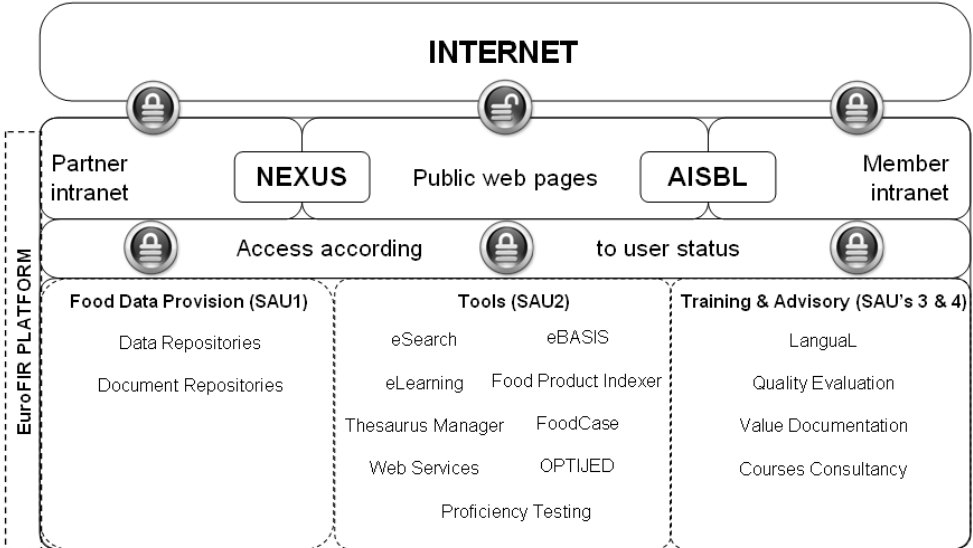
The food industry has a pivotal role in shaping the food supply in order that consumers have access to healthy foods, designed to help tackle the public health challenges that Europe faces, and in helping consumers to make healthier choices through the information provided on food packing and at point of sale.

In particular, EuroFIR Nexus and the FCDB compiler organisations need to work more closely with industry to help ensure that national food composition datasets reflect the large amount of reformulation work (e.g. with regard to salt, fat and sugar) that is now taking place to improve the nutritional profile of the food supply. Those working in the food industry are a key stakeholder group for the EuroFIR Nexus and work to engage with them will continue. We recognise that SMEs will require particular support as they often lack the technical expertise available to large companies. The involvement of the EAB and ETP Food for Health will help to engage more effectively with industry at both the national and European levels.

Strategic Theme 3: Increasing understanding of the value of food composition data and its importance in helping consumers make healthier dietary choices

Nutrition labelling is increasingly common in Europe and front of pack labelling for some nutrients is expected to become compulsory in the EU in the near future, due to a proposed regulation on the provision of food information to consumers. However, research suggests that there is a great deal of confusion among consumers about the interpretation of nutrition information on foods and a lack of understanding of how this information is sourced and presented. We shall build on work already undertaken as part of the EuroFIR project to help to cascade *to consumers' user-friendly information* to clarify some of the issues concerning information on the composition of foods. This will be done through Task 3 of WP5, in particular, and building on her existing contacts with national consumer organisations and BECU.

**Figure 5:** The new extended and enlarged web portal for EuroFIR Nexus. Access will be based on membership status of the EuroFIR AISBL.



Targeted measures for dissemination and communication of results to enhance the impact of EuroFIR Nexus

The strategy will be targeted towards the following users and stakeholders, who will be encouraged to sign up to a regular email update:

- ◆ National FCDB compiler organisations (including EuroFIR Nexus beneficiaries/third parties and EuroFIR AISBL members, and the FAO INFOODS international network of regional food database compiler organisations will be targeted via the newly updated and extended [www.eurofir.eu](http://www.eurofir.eu) website, biannual newsletters and networking meetings.
- ◆ Research scientists (with a specific focus on young researchers), nutritionists, dieticians, public health professionals and health professional bodies will be targeted via: the publication of peer-reviewed scientific papers and articles published in the health professionals' press; participation at international scientific congresses; dissemination at training courses (including the Foodcomp Course); networks such as the European Nutrition Leadership Programme and the DIETS Thematic Network.
- ◆ Policy makers, consumer groups and funding agencies such as the EC (including BEUC, DG SANCO and the European Technology Platform "Food for Life"), EFSA, WHO, FAO INFOODS, and other national agencies will be targeted via the [www.eurofir.eu](http://www.eurofir.eu) website, biannual newsletters and stakeholder engagement events.
- ◆ The European food industry (especially SMEs) and retail groups (including CIAA and individual companies) will be targeted via a networking approach, participation at international 'expos', biannual newsletters and stakeholder engagement events.
- ◆ Food industry and health journalists, and media associations will be targeted via tailored press releases and the release of relevant articles.
- ◆ The general public will be targeted via the [www.eurofir.eu](http://www.eurofir.eu) website but more specifically via creative media routes such as blogs and Facebook, and aimed at increasing awareness of better diet and health (for example through reading and understanding food labels in order to make healthier choices).

Any dissemination activities and publications in the project, including the project website, will (i) specify that the project has received Community research funding and (ii) display the European emblem. When displayed in association with a logo, the European emblem will be given appropriate prominence.

All publications shall include the following statement (from GA art. II.30.4):

*The research leading to these results has received funding from the European Community's Seventh Framework Programme under Grant Agreement No. KBBE-265967 (Project EuroFIR Nexus).*

In support to the communication activities of the Commission services, and in addition to a presentation leaflet that it may initiate, the consortium may be requested to provide the Commission with a 2 pages information sheet (double sided A4) which will be drafted in a standard format communicated by the Commission. Upon request, the consortium will also provide an updated version of this information sheet. The Commission services may also request one illustration (picture, schema or drawing) to illustrate such communication material.

### **3.2.2 Exploitation of results, business development and target audiences (target user market segments)**

#### Exploitation of results

The business model being developed as part of the EuroFIR's exploitation plans is a Membership-based, research association that offers products, services and tools in food composition. EuroFIR Nexus will help refine the final products/services to offer at the end of the funding period to research and public policy professional, and for industrial innovations underpinning major developments in a wide number of food and health related areas. These products/services and identification of target market segments have initially been developed and defined to some extent as part of the existing EuroFIR sustainability plans. However, further work and consultations with potential users, stakeholders and clients are still needed to refine or finalise these product/service offerings, and perform testing and evaluations in order to establish a financially stable position with respect to these target user market segments.

During EuroFIR Nexus, there will be gradual transition such that the "sustainability vehicle" that will eventually take over these functions will be EuroFIR AISBL (see Beneficiary 2), and all product/service offerings will eventually be channeled to the target user market segments through it.

As regards IPR, EuroFIR Nexus will follow the rules laid down in Annex II of the GA.

#### Business development and sustainability:

EuroFIR FCDB compiler organizations are a major source of reported and compiled food composition data, usually providing the only and unique dataset for European countries. Individually and collectively, these data form a unique resource, particularly for a wide range of potential users and stakeholders in Europe but also for users worldwide. The initial range of products/services offerings have developed so far in EuroFIR NoE have been grouped subsequently grouped in four Key Strategic Units (SAUs)\_for further refinement in EuroFIR Nexus and future subsequent uptake by EuroFIR AISBL:

- SAU1: Food data provision activities (through WP 2);
- SAU2: Development and implementation of quality and dietary tools activities (through WPs 1 & 2);
- SAU3: Training activities (through WPs 4 & 1);
- SAU4: Advisory activities (through WPs 1, 4 & 5).

A SAU within the overall 'corporate' identity umbrella is distinguishable from other SAUs serving a scope which for management can conduct strategic planning, organize actions, develop and evaluate products, and reach pertinent markets. A SAU has its own strategy and objectives, and these may be similar but most frequently different from those of the other SAUs. Figure 5 above shows how the SAUs are positioned within the EuroFIR portal.

#### Target audiences (target user market segments) and qualitative overview of requirements:

The following audiences have been developed from our initial list of users and stakeholders (see 3.2.2 above) and are currently identified as the prime targets for EuroFIR AISBL activities as part of the long-term sustainability strategy:

- Audience 1 - European food composition data specialists: consists of the European national compiler organisations and national food consumption survey managers, together with other specialists needing fully documented quality food composition data, for example, nutritionists and dieticians, particularly where data from more than one European country might be relevant. Many will be EuroFIR members (full, associate and ordinary), who on the basis of a regular annual fee, have benefits of access to specific database resources and privileged information as set out in the Business Plan and Membership Information (see Annex's 3 and 4).
- Audience 2 - Food composition data specialists worldwide: consists of the community of specialist's equivalent to Audience 1, but working outside Europe. The interest in detailed European data may be less intense than for Audience 1, but many of the supporting resources such thesauri information and training products will be important, particularly for those resources that depend on the critical mass available in Europe for their development and dissemination. Any organisation with a core interest in the management of food composition data should be targeted as potential members of the EuroFIR AISBL.
- Audience 3 – Researchers: consists of researchers in nutrition, food science and related fields, using EuroFIR products either individually or through institutions or research networks (e.g. an 'Infrastructure' on nutrigenomics). Access to EuroFIR offering(s) would be through membership benefits, individual or institutional subscription, or one-off payment.
- Audience 4 – Practitioners: consists of users working in the health services, catering, food production and related fields, using EuroFIR products either individually or through institutions or commercial companies. Access to EuroFIR offering would be through membership benefits, individual or institutional subscription, commercial agreements, or one-off payment. The commercial sector may also require consultancy services.
- Audience 5 - Students and tutors: consists of users in education relating to the health services, catering, food production and related fields, using EuroFIR products either individually or through educational institutions. Access to EuroFIR offering would be through membership benefits, i.e. individual or institutional subscription, or one-off payment.
- Audience 6 – Intermediaries: consists of the providers of services to end-users of food composition data, including software suppliers, consultants and commercial publishers. Access to EuroFIR products would be through membership benefits, i.e. individual or institutional subscription, or one-off payment, including consultancy fees. This audience has services to promote and EuroFIR AISBL has various options to support this, potentially generating revenue.
- Audience 7 - Official and public bodies, and NGOs: consists of any organisation with any recognised role in researching, regulating or funding activities that require food composition data or awareness of related issues. Access to EuroFIR offering would be mostly through membership or specific agreements, but the more important aspect of this audience is that it provides the potential for funding support for EuroFIR activities.

#### Curators/Managers of each of the products and services

These individuals will be identified and assigned for each product/service. Their role will be to work with the Business Development Manager (EuroFIR AISBL) in order to:

- Develop their strategy with SMART (specific, measurable, achievable, realistic and timed) objectives;

- Devise a plan of production and production process (business and operation flows of the respective involved partners) for the long-term delivery of the precise offering or service;
- Identify the target users (as clearly defined groups/target market segments) and how many of these users will potentially become adopters of the offerings (including potential returns to the activity/unit producing the offering);
- Identify the channels (and content of) communication to each one of the target users/target market segments (via WP3 & 5);
- Identify the channels (and content of) delivery of the offerings and potential returns (either financial in a way that income and expenses can be measured, non-income generating, free-access for public and policy good);
- Identify the depicted vertical and horizontal interfaces for the primary and the support activities for each SAU, to demonstrate and model its operations and functioning ultimately resulting in few errors, more effective and efficient delivery and greater target market segment user satisfaction;
- Estimate the balance of income and expenses for each SAU in order to have a clear cost accounting basis and be understood precisely which income generating SAUs sustain which non-income-generating SAUs. The services and offerings that must be sustained will also be finalised. The maintenance and expansion of any SAU requires resources and expenses that need to come from other sources, including the income generating SAUs. Work will also be geared towards identification of the nature and extent of financial and other resources, or actions to be handled by third parties that are necessary for their provision to the research community, stakeholders and industry.

The following Table 6 provides a qualitative overview of the requirements of the different audiences for the various SAU products and services.

**Table 6:** A qualitative overview of the requirements of the different audiences for the various SAU products – showing SAU products per audience (target user market segment) <sup>1</sup>

Products	Audience <sup>1</sup>						
	1	2	3	4	5	6	7
SAU1.1: FCTs-Online via eSearch – numeric data	**	*	**	**	**	**	**
SAU1.2: eBasis Online	**	**	**	**	*	**	**
Bundle modules	**	**	**	**	**	**	**
Support line							
-Product 1: FCDMS software	**	**	*	*		**	
-Product 2: Compilers' Certification	**	**					**
-Product 3: Lab Proficiency Scheme	**	**					**
SAU2.1: Specific compilation of data, consultancy and services			*	**		**	**
SAU3.1: Foodcomp course	**	**	*		*	*	

	*						
SAU3.2: E-Learning module	**	**	**	*	**	**	*
SAU3.3: Specialised workshops	**	*	**	*	**	**	*
SAU3.4: Language Food Indexing Course	**	*	**	*	**	**	*
SAU3.5: Annual Congress	**	*		*	*	**	*
SAU4: Public Involvement and Advisory	**	**	**	**	**	**	**
	*	*	*	*	*	*	*

<sup>1</sup>Possible levels of interest identified from initial feedback and evaluations are indicated by the number of asterisks assigned, with \*\*\* = core interest, \*\* = major interest and \* = minor interest.

## B4. Ethical issues

### 4.1 Training and capacity building in WBC and EECA countries

The management of fair benefit sharing and effective capacity development with stakeholders from these countries will form part of MoUs that will be developed for each country. To date an effective framework covering each country to develop its national strategy for development new knowledge on food composition and its application and exploitation for food and health research has been established through the UNU/SCN network and this will be further extended for EuroFIR Nexus. The existing Members of the UNU-SCN Network for Capacity Development in Nutrition in Central and Eastern Europe (NCDNCEE; <http://www.srbnutrition.info/?page=Network> & <http://agrowebcee.net/ncdn>) will sign the MoU and agree to collaborate with EuroFIR Nexus. The following will be included:

- Development of the regional FCDB for WBC and new/improved national FCDBs for other EECA countries with support from EuroFIR Nexus;
- IMR will provide free of charge to all stakeholders the software with appropriate training and support (Application of innovative web tool for the creation of regional Food Composition Data Base) and manual for guidance;
- Training and technical support will be provided to all members from our staff and programmer and appropriate other beneficiaries from EuroFIR Nexus;
- Organisation of regular meetings for stakeholders from WBC/EECA including review of the effective facilitation for capacity building.

Regular reports on training and capacity building will be submitted to the Coordinator/EB/EAB for review and recommendations for any improvements to the programme fed back to IMR.



## **4.2 Data merging and security questions**

All data management and publication of the national food composition data complies with all relevant national and EU legislation. Further information is given in Section 2.1.8 *on Management of knowledge and intellectual property*.

## **B5. Gender aspects**

EuroFIR has promoted to date a strong gender awareness programme and this will be maintained. The beneficiaries in the project individually and corporately support and actively promote the European Commission's gender equality in science and technology. At the commencement of the project:

- 42% (8 of the 19) beneficiaries are represented by established female scientists;
- 50% (3 out of 6) of the WP-Ls are female;
- 44% (4 out of 9) extended EB members are female.

This provides a solid foundation that will be maintained during the course of this project with the Coordinator and PMO monitoring gender status and awareness and reporting back to the EB at regular intervals. In particular, the following actions will be taken:

- The planning of project meetings and other activities will take into account the particular circumstances of female researchers (especially young members) and their families;
- Flexible working patterns for women (and for men) to facilitate childcare arrangements will be promoted among the beneficiaries and other project partners;
- The reintegration of workers, who have taken time off for raising families will be promoted and the use of part-time scientific career possibilities at all levels for working parents are also encouraged.

## Logical Framework

**Table 7a: Overall and specific objectives for EuroFIR Nexus**

Overall objective	To improve the integration and connectivity between the availability and the use of food composition data (and also the tools now available via EuroFIR AISBL Food Platform) by the science community, regulators, policy makers and by the food industry, for the benefit of the population across Europe in particular.		
Specific objective(s)	Final Deliverable(s)	Sources of verification	Assumptions/Contingency plan
To ensure a sound and coherent quality and technical approach for food data collection, storage, handling, sharing and publication and increasing the visibility and implementation of the CEN Standard on Food data and its application.	D1.1 to D1.16	Minutes of meetings; Presentations from meetings and conferences; Interim draft reports; Audit plans and reports; Update of EuroFIR & LanguaL Thesauri; Report on repository procedures and production; Signed MoUs; Attendance lists.	<p><b>Assumptions:</b> TC 387 members' agreement on standard and approval by NSBs; approval of the draft reports by EB; difficulties of acceding information; audits delayed or incipient compiler's QMSs</p> <p><b>Risks:</b> delay on approval</p> <p><b>Contingency:</b> submission of final document and commitment of TC 387 members to address their National Body making efforts for timely approvals; alternative sources of information will be planned from the beginning and method curators identified; training of compilers on QMS</p>

<p>To refine, develop and maintain a diverse set of food information tools and repositories available on the EuroFIR Portal in order to facilitate the exchange of standardised food information including food composition data across Europe and the World, which will empower the entire community of food information users to improve the quality and thus also the meaningfulness of their specific products and services.</p>	<p>D2.1 to D2.6</p>	<p>Report on updated web services, procedures, development and implementation;          Reports on user tools and future requirements;          Report on repository procedures and production          Written Specification for linking document and data repositories to CiteXplore;          Report on feasibility of interface with EPIC-SOFT;          Attendance lists;          Minutes of meetings.</p>	<p><b>Assumption:</b> All national FCDB are online either in the original country or hosted by EuroFIR AISBL; CiteXplore continues to be freely available and interface/web service can connect to CiteXplore; A web interface between EPIC-SOFT Methodological Platform and eSearch can be technically built.</p> <p><b>Risks:</b> Insufficient IT personnel or capacity available in FCDB institution to implement web services; No direct influence over CiteXplore and thus difficulties to find solution in case of connection /interfacing problems; EPIC-SOFT is technically not possible to develop a web based interface accommodating the requirements.</p> <p><b>Contingency:</b> FCDB hosted on EuroFIR AISBL server and web service implemented by EuroFIR AISBL; Data and Document Repositories are made available through a document delivery system implemented on EuroFIR AISBL platform; Early GO/NO GO decision on technical feasibility sought.</p>
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<p>Further strengthen and build on EuroFIR's existing institutional commitment to durable integration via the expansion of the core FCDB compiler organisation network (to include new FCDB compiler organisations from non-EuroFIR countries from within and outside Europe), new users and stakeholders, and refine strategy to attract new future income streams from a wide range of sources.</p>	<p>D3.1 to D3.10</p>	<p>Evaluation of procedures and processes;  Reports and business plan updates;  Reports on user feedback and suggestions for improvements;  Product booklets for all products, services and offerings;  Minutes from meetings;  Attendance lists.</p>	<p><b>Assumptions:</b> Successful interaction with stakeholders, SMEs and involvement of new Western Balkans (WB); Successful delineation and enhancement of the commercial uniqueness of the SAUs; Updates of business plan and implementation of the marketing plan duly compiled</p> <p><b>Risks:</b> Not enough interest of stakeholders, SMEs and new Western Balkans (WB); Difficulties of implementation of the marketing plan due to current market situation in Europe and beyond.</p> <p><b>Contingency:</b> Refinement and adaption of SAUs according to market situation especially target groups via regular EB/EAB monitoring; Successful controlling of product range co-aligned to user needs and requirements; Reallocation of resources for further development with prioritisation on the most popular products according to users' feedback.</p>
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<p>To continue to spread excellence, training and skills enhancing the impact of EuroFIR in the development, management and exploitation of food composition data and new research tools for public health nutrition research beyond the network through training, and sharing of knowhow and facilities.</p>	<p>D4.1 to D4.6</p>	<p>Training course programmes and training manuals &amp; materials;  Training course reports;  Reports on e-learning and user feedback;  Internal documents outlining potential training courses for medium-term sustainability;  Reports on exchange visits;  Minutes of meetings;  Attendance lists.</p>	<p><b>Assumption:</b> Ideas for additional courses have already been generated within EuroFIR; Established need for new vitamin eModule; work will build on contacts established during EuroFIR/NCDNCEE networks.</p> <p><b>Risks:</b> Lack of interest or funding; Other traditional learning preferred and lack of vitamin experts</p> <p><b>Contingency:</b> Verification of training needs during meetings/stakeholder engagements + additional funding sought at early stage; Further promotion /testing undertaken early on in project to demonstrate advantages for eLearning; linking with Eurreca and NuGO to establish eLearning in new Masters Degree Programme.</p>
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<p>To build on the successful approaches to dissemination, communication and stakeholder engagement (developed by EuroFIR) to provide targeted resources to support food data use by the scientific community, regulatory bodies, policy makers, industry and general public in order to maximise the effectiveness of dissemination and potential uptake of tools and “best practice” procedures within both the scientific and end-user stakeholder communities.</p>	<p>D5.1 to D5.15</p>	<p>Internal documents;  Reports on dissemination activity and feedback from stakeholders;  Meeting programmes and leaflets;  Event promotion materials;  Newsletters and other dissemination materials including web information;  Proceedings papers and other articles;  Minutes of meetings;  Attendance lists.</p>	<p><b>Assumption:</b> Similar approaches appropriate for EuroFIR Nexus; Regular contact by email/telephone to ensure updates be proceeding as planned; Initial programme and speakers being developed already; Meetings take place on schedule.</p> <p><b>Risks:</b> Developments may mean that this approach is no longer appropriate;  Delays to updates/inappropriate materials being uploaded; Lack of interest and/or funding; Delays to meetings</p> <p><b>Contingency:</b> Continual monitoring to ensure that dissemination and communication are engaging the target stakeholder groups and steps will be taken to modify the approach if necessary; Early planning &amp; quality check of all materials to ensure appropriate quality and content; Plans for the workshop already underway with support from UL/IFR. Funding available from FAO and interest identified/confirmed for workshop theme; Early planning &amp; engagement with beneficiaries/3<sup>rd</sup> parties to promote meetings.</p>
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<p>To direct and execute all management activities described in the Consortium Agreement and oversee the development and implementation of the long-term sustainability strategy together with Advisory Board by ensuring that (a) the EuroFIR Food Data Platform is embedded in the European research community, and (b) connection to all major stakeholders (user communities, related projects and developments in the food and health area) in close collaboration with all other WPs.</p>	<p>D6.1 to D6.7</p>	<p>Reports on activity and financed;  Reports on IPR status  Legal documents including signed Consortium Agreement;  Minutes of meetings;  Attendance Lists.</p>	<p><b>Assumption:</b> All beneficiaries agree to sign; All meetings take place and report prepared on time; All information is available for completion of IPR reports in a timely manner.</p> <p><b>Risks:</b> Delays to signature over specific articles; Delays to meeting/not all participants attend.</p> <p><b>Contingency:</b> Early planning &amp; circulation of draft CA to beneficiaries/third parties.</p> <p>Early planning, agreement on venue/ dates and circulation of draft agenda to beneficiaries/third parties; Early contact with GC contacts for each beneficiary and continuous monitoring by PMO and regular review by EB.</p>
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Specific objective	To ensure a sound and coherent quality and technical approach for food data collection, storage, handling, sharing and publication and increasing the visibility and implementation of the CEN Standard on Food data and its application					
WP objectives	Tasks	Effort (PM)	Expense	Deliverables	Sources of verification	Assumptions / Contingency plan
To ensure a sound and coherent quality and technical approach for food data collection, storage, handling, sharing and publication and increasing the visibility and implementation of the CEN Standard on Food data and its application (WP1)	Task 1.1: Preparation of the CEN food data standard and its implementation.	<b>Total pms = 2.5</b>  <b>NFA (1.5pm)</b> <b>IFR (0.5pm)</b> <b>ETHZ (0.5pm)</b>	Total Costs = €7652  Salaries €7152 Indirect Cost €500	<b>D1.1:</b> Report on preparation & promotion of draft CEN Food Data Standard (M6)  <b>D1.2:</b> Report on preparation & promotion of draft CEN Food Data Standard (M21)  <b>D1.3:</b> Final CEN Food Data Standard (M23)	CEN/TC 387 meetings' minutes and various documents on feedback from national standardization agencies, draft and final standard	<b>Assumption:</b> TC 387 member's agreement on standard and approval by NSBs. <b>Risks:</b> delay on approval <b>Contingency:</b> submission of final document and commitment of TC 387 members to address their National Body making efforts for timely approvals.
	Task 1.2: QMS for national FCDB compiler organisations Task 1.2.1: Preparation of GAMA Task 1.2.2: Certification audits	Total pms = 10.15  INSA(2.75) IFR (4.25) NFA (0.25) FRI-SK (0.75) EuroFIR AISBL (2.15)	Total Costs= €71733  Salaries €48815 Other – Travel & CEN Secretariat €17075 Consumables €500 Indirect Cost €4693	<b>D1.4:</b> Report on the guidelines for assessment of methods for analysis (M15)  <b>D1.5:</b> Report on framework for certification scheme (M4)  <b>D1.6:</b> Report on 1 <sup>st</sup> year certification scheme (M15)  <b>D1.7:</b> Final list of certified FCDB compiler	Reports on meetings with other stakeholders on its implementation and presentations from meetings & conferences. Interim or draft reports; Minutes' of meetings; Attendance lists; Audits plans and reports.	<b>Assumption:</b> approval of the draft reports by EB. <b>Risks:</b> difficulties of acceding information; audits delayed or incipient compiler's QMSs <b>Contingency:</b> alternative sources of information will be planned from the beginning and method curators identified; training of compilers on QMS and regular review/benchmarking; brainstorming and testing sessions using compilers that have been certified.



				organizations and future plans for continuation of the certification scheme (M23)		
Task 1.3: Review, maintain and develop value selection and documentation procedures Task 1.3.1: EuroFIR thesauri updates Task 1.3.2: LanguaL thesauri updates Task 1.3.3: Recipe yield & retention factors Task 1.3.4: Data checking & transformation Task 1.3.5: Data & document repositories	Total pms=8.2  <b>IFR (0.25)</b> DFI (4) EuroFIR AISBL (1.1) DFI (2) ETHZ (1) FRI-SK (.75) INSA (1)	Total Costs= €59892  Salaries €55794 Indirect Cost €3918	<b>D1.11:</b> 1 <sup>st</sup> Update of EuroFIR Thesaurus (M11)  <b>D1.12:</b> 2 <sup>nd</sup> Update of EuroFIR Thesaurus (M23)  <b>D1.13:</b> 1 <sup>st</sup> Update of LanguaL Thesaurus (M5)  <b>D1.14:</b> 2 <sup>nd</sup> Update of LanguaL Thesaurus (M17)  <b>D1.15:</b> 1 <sup>st</sup> Report on Repository procedures and production (M11)  <b>D1.16:</b> 2 <sup>nd</sup> Report on Repository procedures and production (M23)	Interim and draft reports; Minutes' of meetings; Attendance lists; Updates of EuroFIR & LanguaL Thesauri; Reports on repository procedures and production.	<b>Assumption:</b> all documentation timely collected <b>Risks:</b> lack of collaboration <b>Contingency:</b> WP-L and task groups meetings to speed up the work; Early request for changes via website.	
Task 1.4: Review, refine & implement data quality evaluation	Total pms: 6.8  <b>ETHZ (2)</b> ANSES (1.5) INSA (1) IFR (0.05) EuroFIR	Total Costs= €37320  Salaries €34879 Indirect Cost €2441	<b>D1.8:</b> Report on integrated data quality evaluation system (M18)	Reports on quality procedures & implementation; Minutes' of meetings; Attendance lists	<b>Assumption:</b> all documentation timely collected <b>Risks:</b> lack of collaboration <b>Contingency:</b> WP-L and task groups meetings to speed up the work; Early request for changes via website.	

		AISBL (2.25)				
	Task 1.5: Harmonisation and compatibility with other quality organisations	Total pms=0.85  <b>INSA (0.25)</b> IFR (0.1) NFA (0.25) EuroFIR AISBL[Fera] (0.25)	Total Costs= €4545 Salaries €4247 Indirect Cost €298	<b>D1.9:</b> Draft MoUs for stakeholders (M3)  <b>D1.10:</b> MoU for IMEKO/ISO, GS1 and LTC (M9)	Draft MoU with EuroFIR-IMEKO and CEN-ISO members; Signed MoUs available; Minutes' of meetings; Attendance lists	<b>Assumption:</b> approval of the final MoU <b>Risks:</b> delay on approval <b>Contingency:</b> lobbying of EuroFIR partners and NSBs

Specific objective	To refine, develop and maintain a diverse set of food information tools and repositories available on the EuroFIR Portal in order to facilitate the exchange of standardised food information including food composition data across Europe and the World, which will empower the entire community of food information users to improve the quality and thus also the meaningfulness of their specific products and services.					
WP objectives	Tasks	Effort (PM)	Expense	Deliverables	Sources of verification	Assumptions / Contingency plan
To refine, develop and maintain a diverse set of food information tools and repositories available on the EuroFIR Portal in order to facilitate the exchange of standardised food information including food composition data across Europe and the World, which will empower the entire community of food information users to improve the quality and thus also the meaningfulness of their specific products and services	Task 2.1: EuroFIR web services	Total pms=6.25 <b>THL (1)</b> DFI (2) ETHZ (0.25) EuroFIR AISBL [Polytec] (3)	Total Costs= €60549 Salaries €56588 Indirect Cost €3961	D2.1: 1st Report on updated web services  D2.2: 2nd Report on updated web services and future requirements	Report on updated web service & implementation; Report on Future requirements; Minutes of Meetings; Attendance lists	<b>Assumption:</b> All national FCDB are online either in the original country or hosted by EuroFIR AISBL. IT personnel in FCDB institution in original country is available if web service has to be installed in home institution. <b>Risks:</b> Insufficient IT personnel or capacity available in FCDB institution to implement web services. <b>Contingency:</b> FCDB hosted on EuroFIR AISBL server and web service implemented by EuroFIR AISBL and Task Group 2.1 members.
	Task 2.2: Data and document services development and implementation	Total pms=5.4 <b>EuroFIR AISBL [IDUFIC](2)</b> IMR (1.5) ETHZ (0.25) IFR (0.15) INSA (0.15) EuroFIR AISBL [RIVM] (1.35)	Total Costs= €29746 Salaries €27800 Indirect Cost €1946	D1.15: 1st Report on Repository procedures and production  D1.16: 2nd Report on Repository procedures and production	Reports on procedures, development & implementation; Minutes of Meetings; Attendance Lists	<b>Assumption:</b> CiteXplore at non-profit academic European Bioinformatics Institute continues to be freely available and interface/web service can connect to CiteXplore. <b>Risks:</b> No direct influence over CiteXplore and thus difficulties to find solution in case of connection /interfacing problems.

						<b>Contingency:</b> Data and Document Repositories are made available through a document delivery system implemented on EuroFIR AISBL platform.
Task 2.3: Maintenance and operational support	Total pms=13.65 ETHZ (7.3) EuroFIR AISBL (0.5) EuroFIR[Polytec](0.5) EuroFIR[JSI](3) DFI (0.5) IFR (1.6) DTU (0.25)	Total Costs= €97519 Salaries €91140 Indirect Cost €6379	D2.3: 1st Report on the maintenance and operational support of the tools and repositories  D2.4: 2nd Report on the maintenance and operational support of the tools and repositories with future requirements	Reports on maintenance and operational support; Test Reports on users tools; Minutes of Meetings; Attendance Lists	<b>Assumption:</b> Identified bugs are submitted by the users of the tools through a functioning bug tracker system. <b>Risks:</b> Users do not report bugs they encountered; the bug tracker system is not operational. <b>Contingency:</b> Users of tools are encouraged to submit bugs (and suggestions to improve the tools) by WP3 and when receiving instruction on how to use the tools. Web based tools and tools that can be downloaded from the web will have on their website direct links to the online bug tracker system. The bug tracker system will be controlled periodically by the WP2 leader to check its proper functionality by the WP2 leader.	
Task 2.4: EPIC-SOFT interface	Total pms=3.55 IARC (3) ETHZ (0.25) IFR (0.15)	Total Costs= €17300 Salaries €16168 Indirect	D2.5: Report on conceptual specification for the interface between EPIC Soft Methodological	Reports on interface requirements; specifications and technical feasibility; Protocols; Minutes of meetings;	<b>Assumption:</b> A web interface between EPIC-SOFT Methodological Platform and eSearch can be technically built.	

		EuroFIR AISBL [RIVM](0.15)	Cost €1132	<p>communication platform and EuroFIR eSearch facility</p> <p>D2.6: Manuscript on the EMP-EuroFIR web interface</p>	Attendance lists	<p><b>Risks:</b> It is technically not possible to develop a web based interface accommodating the requirements (i.e. linking/matching foods obtained through EPIC-SOFT conducted interviews and foods retrievable in the eSearch Facility).</p> <p><b>Contingency:</b> Early GO/NO GO decision on technical feasibility sought.</p>
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Specific objective	Further strengthen and build on EuroFIR’s existing institutional commitment to durable integration via the expansion of the core FCDB compiler organisation network (to include new FCDB compiler organisations from non-EuroFIR countries from within and outside Europe), new users and stakeholders, and refine strategy to attract new future income steams from a wide range of sources.					
WP objectives	Tasks	Effort (PM)	Expense	Deliverables	Sources of verification	Assumptions / Contingency plan
Further strengthen and build on EuroFIR’s existing institutional commitment to durable integration via the expansion of the core FCDB compiler organisation network (to include new FCDB compiler organisations from non-EuroFIR countries from within and outside Europe), new users and stakeholders, and refine strategy to attract new future income steams from a wide range of sources.	Task 3.1: Integration, capacity building & stakeholder engagements Task 3.1.1: Integration measures Task 3.1.2: Stakeholder relationships Task 1.3.3: Compiler network interactions	Total pms=3  <b>IFR (2)</b> EuroFIR AISBL (1)	Total Costs= €28164 Salaries €16321 Other – IT €10000 Indirect Cost €1843	D3.1: Report on integration, capacity building and stakeholder engagements  D3.2: Final report on institutional commitment for long-term durability	Reports on integration and long term durability; Minutes of meetings; Attendance Lists	<b>Assumptions:</b> Successful interaction with stakeholders, SMEs and involvement of new Western Balkans (WB); FCDB compilers remain as members of EuroFIR AISBL <b>Risks:</b> Not enough interest of stakeholders, SMEs and new Western Balkans (WB); members leave making AISBL un-sustainable <b>Contingency:</b> Reallocation of resources for further development with prioritisation on the most popular products according to members’ feedback.
	Task 3.2: Business development Task 3.2.1: Overall strategy development Task 3.2.2: Processes and procedures for monitoring	Total pms=8 <b>FCN (5)</b> IFR (1) EuroFIR AISBL (2)	Total Costs= €58991 Salaries €55132 Indirect Cost €3859	D3.3: Report on identification and delineation of SAUs  D3.4: Updated business plan for both non-income and income generating SAUs  D3.5: Final business plan for both non-income and income generating SAUs	Reports on SAUs; Draft and final business plans; Minutes of meetings; Attendance Lists;	<b>Assumptions:</b> Successful delineation and enhancement of the commercial uniqueness of the SAUs, in particular of eBASIS database; Updates of business plan and implementation of the marketing plan duly compiled <b>Risks:</b> Difficulties of implementation of the marketing plan due to current market situation in Europe and beyond. <b>Contingency:</b> Refinement and adaption of SAUs according to market situation especially target

						groups.
	<p>Task 3.3: Monitor and refine products and services</p> <p>Task 3.3.1: Stakeholder feedback</p> <p>Task 3.3.2: Implementation plan for eBASIS</p>	<p>Total pms=23</p> <p><b>EuroFIR</b></p> <p><b>AISBL</b></p> <p><b>(11.5)</b></p> <p>IFR (3)</p> <p>DFI (0.5)</p> <p>ETHZ (0.5)</p> <p>IMR (0.5)</p> <p>FRI-SK (0.5)</p> <p>ANSES (0.5)</p> <p>THL (0.5)</p> <p>INSA (.5)</p> <p>IMR (0.5)</p> <p>UCC (5)</p> <p>DTU (0.5)</p>	<p>Total Costs=</p> <p>€122907</p> <p>Salaries</p> <p>€110522</p> <p>Consumables</p> <p>€4344</p> <p>Indirect Cost</p> <p>€8041</p>	<p>D3.6: Report on the final product range promotion booklet for several media channels</p> <p>D3.7: 1st report on monitoring user's feedback and recommendations for improvements</p> <p>D3.8: 2nd report on monitoring user's feedback and final recommendations for improvement</p> <p>D3.9: Report summarising the outcomes of the pilot for eBASIS implementation</p> <p>D3.10: Final report summarising the detailed interactions and main recommendations for eBASIS implementation</p>	<p>Reports on product range;</p> <p>Final recommendations on products and services;</p> <p>Product booklet;</p> <p>Minutes of meetings;</p> <p>Attendance Lists</p>	<p><b>Assumptions:</b> Successful controlling of product range co-aligned to user needs and requirements.</p> <p><b>Risks:</b> No user take-up of products and services.</p> <p><b>Contingency:</b> Reallocation of resources for further development with prioritisation on the most popular products according to users' feedback.</p>

Specific objective	To continue to spread excellence, training and skills enhancing the impact of EuroFIR in the development, management and exploitation of food composition data and new research tools for public health nutrition research beyond the network through training, and sharing of knowhow and facilities					
WP objectives	Tasks	Effort (PM)	Expense	Deliverables	Sources of verification	Assumptions / Contingency plan
To continue to spread excellence, training and skills enhancing the impact of EuroFIR in the development, management and exploitation of food composition data and new research tools for public health nutrition research beyond the network through training, and sharing of knowhow and facilities	Task 4.1: Specialised workshops and training courses and exchanges. Task 4.1.1: Specialised workshops and courses Task 4.1.2: Individual training	Total pms=6.5  <b>WU (3)</b> EuroFIR AISBL[TÜBITAK](0.5) EuroFIR AISBL (0.5) DFI (1) SLU (1.5)	Total Costs= €43912 Salaries €41039 Indirect Cost €2873	D4.1: 1 <sup>st</sup> update on specialist workshops, training courses and individual exchanges undertaken.  D4.3: Final report of specialist workshops, training courses and individual exchanges undertaken with recommendations for future bespoke training	Training Course programs and manuals; Attendance lists; Reports on from exchange visits	<b>Assumption:</b> Ideas for additional courses have already been generated within EuroFIR. The courses/-workshops always generate additional ideas for new courses. Established courses will attract many interested participants. Needs for new courses, and exchanges for training are generated as a result of performance of tasks in other work packages. <b>Risks:</b> Lack of interest or funding. <b>Contingency:</b> Verification of training needs during meetings/stakeholder engagements + additional funding sought at early stage.
	Task 4.2: Implementation of eLearning	Total pms = 7.25 <b>WU (3)</b> Topshare (2.5) SLU (1.25) EuroFIR AISBL [UHEL](0.5)	Total Costs= €68640 Salaries €49150 Other – training grants €15000	D4.2: 1 <sup>st</sup> update on development and implementation of the e-Learning courses.  D4.5: Final report on development and implementation of the e-Learning courses with	Test Reports; User Reports	<b>Assumption:</b> Established need for new vitamin eModule. <b>Risks:</b> Other traditional learning preferred and lack of vitamin experts. <b>Contingency:</b> Further promotion /testing undertaken early on in project to demonstrate advantages for eLearning.



			Indirect Cost €4490	recommendations for income generation.		
	Task 4.3: Shaping and developing Balkan Food Platform	Total pms = 4 <b>IMR (3)</b> FRI-SK (1)	Total Costs= €10379 Salaries €9700 Indirect Cost €679	D4.4: 1 <sup>st</sup> update on new MoUs with WBC/EECA.  D4.6: Final report on Balkan Food Platform and recommendations for future integration of WBC/EECA countries.	Internal Documents; Meeting reports; Attendance lists	<b>Assumption:</b> The work will build on contacts established during EuroFIR/NCDNCEE networks. <b>Risks:</b> Lack of interest/funding at national level. <b>Contingency:</b> Further feedback/sought early on in project. Additional funding sought via national/regional levels.

<b>Specific objective</b>	To build on the successful approaches to dissemination, communication and stakeholder engagement (developed by EuroFIR) to provide targeted resources to support food data use by the scientific community, regulatory bodies, policy makers, industry and general public in order to maximise the effectiveness of dissemination and potential uptake of tools and “best practice” procedures within both the scientific and end-user stakeholder communities.					
<b>WP objectives</b>	<b>Tasks</b>	<b>Effort (PM)</b>	<b>Expense</b>	<b>Deliverables</b>	<b>Sources of verification</b>	<b>Assumptions / Contingency plan</b>
To build on the successful approaches to dissemination, communication and stakeholder engagement (developed by EuroFIR) to provide targeted resources to support food data use by the scientific community, regulatory bodies, policy makers, industry and general public in order to maximise the effectiveness of dissemination and potential uptake of tools and “best practice” procedures within both the scientific and end-user stakeholder communities.	Task 5.1: Overall dissemination strategy	Total pms=0.35  <b>BNF (0.25)</b> IFR (0.05) EuroFIR AISBL (0.05)	Total Costs= €1933 Salaries €1806 Indirect Cost €127	D5.1: Dissemination master plan	Internal documents	<b>Assumption:</b> Similar approaches appropriate for EuroFIR Nexus. <b>Risks:</b> Developments may mean that this approach is no longer appropriate. <b>Contingency:</b> Sources of verification listed will be monitored to ensure that dissemination and communication are engaging the target stakeholder groups and steps will be taken to modify the approach if necessary. Feedback from EB/EAB sought.
	Task 5.2: EuroFIR website and portal	Total pms=1.4  <b>EuroFIR</b> <b>AISBL (0.95)</b> IFR (0.45)	Total Costs= €7823 Salaries €7311 Indirect Cost €512	D5.13: Report on updates to intranet pages.  D5.14: Report on updates to intranet pages.	Internal documents; Update reports	<b>Assumption:</b> Regular contact by email/telephone to ensure updates are proceeding as planned. <b>Risks:</b> Delays to updates/inappropriate materials being uploaded. <b>Contingency:</b> Early planning & quality check of all materials by IFR/EuroFIR to ensure appropriate quality and content.
	Task 5.3: Dissemination materials and other resources	Total pms=4.25  <b>BNF (1)</b> EuroFIR AISBL (1)	Total Costs= €28599 Salaries €23578 Other – Travel	D5.2: 1st Newsletter. D5.3: 2nd Newsletter D5.4: 3rd Newsletter D5.5: 4th Newsletter	Newsletters printed and also available on website	<b>Assumption:</b> Similar approaches appropriate for EuroFIR Nexus. <b>Risks:</b> None envisaged. <b>Contingency:</b> None envisaged.

		EuroFIR AISBL [TTZ] (1) IFR (0.25) FRI-SK (0.5) IMR (0.5)	€1150 Consumables €2000 Indirect Cost €1871			
	Task 5.4: Maintaining and extending dissemination channels	Total pms=10.25 <b>IFR (1.75)</b> BNF (6) IMR (0.5) FRI-SK (.5) EuroFIR AISBL (0.5) EuroFIR AISBL [UL] (1.0)	Total Costs= €51660 Salaries €48281 Indirect Cost €3380	D5.6: Report on dissemination and communication activities for year 1 with updated master plan.  D5.7: Report on dissemination and communication activities for year 2.  D5.9: Report on 1st workshop to identify priorities for improving diet-related health inequalities in ethnic and minority populations.  D5.10: Programme and speakers agreed for 2nd ethnic minorities workshop.  D5.11: Report on 2nd workshop to improve health of migrant/ethnic populations by affordable food products and Outline	Report on full dissemination activity; Report on workshops; Meeting reports; Attendance lists; Programmes available in print and online	<b>Assumption:</b> All available information and statistics are provided for completion of reports; Initial programme and speakers being developed already; Regular contact by email/telephone to ensure updates are proceeding as planned. <b>Risks:</b> Information is not available and up-to-date. Lack of interest and/or funding. Delays to updates/inappropriate materials being uploaded. <b>Contingency:</b> Regular telephone conference calls between BNF and IFR/EuroFIR AISBL to monitor progress and information.; Plans for the workshop already underway with support from UL/IFR; Funding available from FAO and interest identified/confirmed for workshop theme; Early planning & quality check of all materials by IFR/EuroFIR to ensure appropriate quality and content.

				Action Plan.  D5.15: Standard communication material to be provided to the European Commission.		
	Task 5.5: Organisation and promotion of events	Total pms=2.75  <b>IFR (1.5)</b> BNF (0.75) EuroFIR AISBL (0.5)	Total Costs= €161534 Salaries €13585 Other – Travel €137381 Indirect Cost €10568	D5.8: Programme and speakers agreed for 1 <sup>st</sup> ethnic minorities drafted.  D5.12: Programme & speakers agreed for 9IFDC.	Report on workshops; Meeting reports; Attendance lists; Programmes available in print and online	<b>Assumption:</b> Initial programme and speakers being developed already; Meetings take place on schedule. <b>Risks:</b> Lack of interest and/or funding; Delays to meetings. <b>Contingency:</b> Plans for the workshop already underway with support from UL/IFR. Funding available from FAO and interest identified/confirmed for workshop theme; Early planning & engagement with beneficiaries/Third parties.

Specific objective	To direct and execute all management activities described in the Consortium Agreement and oversee the development and implementation of the long-term sustainability strategy by ensuring that EuroFIR Food Data Platform is embedded in the European research community, and has connection to all major stakeholders in the food and health area in close collaboration with all other WPs.					
WP objectives	Tasks	Effort (PM)	Expense	Deliverables	Sources of verification	Assumptions / Contingency plan
To direct and execute all management activities described in the Consortium Agreement and oversee the development and implementation of the long-term sustainability strategy by ensuring that EuroFIR Food Data Platform is embedded in the European research community, and has connection to all major stakeholders in the food and health area in close collaboration with all other WPs.	Task 6.1 Management of all activities including EC reporting	Total pms = 6.5  <b>IFR (6.5)</b>	Total Costs= €37895 Salaries €35416 Indirect Cost €2479	D6.1 Signed Consortium Agreement D6.2 Report on kick-off meeting D6.3: Report on 1 <sup>st</sup> Annual Meeting D6.4 Report on 2 <sup>nd</sup> Annual Meeting	Legal documents; Meeting reports; Attendance lists; Annual Periodic Report (activity and finance)	<b>Assumption:</b> All beneficiaries agree to sign; All meetings take place and report prepared on time. <b>Risks:</b> Delays to signature over specific articles; Delays to meeting/not all participants attend. <b>Contingency:</b> Early planning & circulation of draft CA to beneficiaries/Third parties. Early planning, agreement on venue/dates and circulation of draft agenda to beneficiaries/Third parties.
	Task 6.2 Stakeholder and sustainability strategy and implementation	Total pms = 2.0  <b>IFR (2)</b>	Total Costs= €16921 Salaries €10814 Consumables €5000 Indirect Cost €1107	D3.1: Report on integration, capacity building and stakeholder engagements  D3.2: Final report on institutional commitment for long-term durability  D6.3: Report on 1 <sup>st</sup> Annual Meeting  D6.4: Report on 2 <sup>nd</sup> Annual Meeting	Meeting reports; Attendance lists	<b>Assumption:</b> All meetings take place and report prepared on time. <b>Risks:</b> Delays to meeting/not all participants attend. <b>Contingency:</b> Early planning, agreement on venue/dates and circulation of draft agenda to beneficiaries/3 <sup>rd</sup> parties.
	Task 6.3 Establishment of consortium	Total pms = 1.75	Total Costs= €12879 Salaries	D6.3: Report on 1 <sup>st</sup> Annual Meeting	Reports of meetings; Attendance lists	<b>Assumptions:</b> Successful interaction with stakeholders, SME's and involvement of new users &

	secretariat and European Bureau	<b>EuroFIR AISBL (1)</b> IFR (0.75)	€9563 Consumables €2474 Indirect Cost €842	D6.4: Report on 2 <sup>nd</sup> Annual Meeting		stakeholders. <b>Risks:</b> Limited as Bureau already initiated and operational. <b>Contingency:</b> Regular monitoring of all operations through the EB & EuroFIR AISBL.
	Task 6.4 Set up TSB and CN	Total pms = 2.25 <b>IFR (1.75)</b> EuroFIR AISBL (0.5)	Total Costs= €13071 Salaries €12216 Indirect Cost €855	D3.7: 1st report on monitoring user's feedback and recommendations for improvements  D3.8: 2nd report on monitoring user's feedback and final recommendations for improvement	Reports on meetings; Attendance lists	<b>Assumptions:</b> TSB members willing to continue as participants; CN remains committed to EuroFIR AISBL. <b>Risks:</b> FCDB members loose interest and leave; financial difficulties for members to remain. <b>Contingency:</b> Reallocation of resources for further development with prioritisation on the most popular products according to members' feedback; continual monitoring of member benefits and offerings versus membership fees.
	Task 6.5 Management of Knowledge and IPR	Total pms = 2.5 <b>IFR (2)</b> EuroFIR AISBL (0.5)	Total Costs= €14518 Salaries €13568 Indirect Cost €950	D6.5: 1 <sup>st</sup> updated IPR Report D6.6: 2 <sup>nd</sup> updated IPR Report D6.7: Final IPR Report with recommendation for long-term sustainability	IPR reports; Final report with recommendations for sustainability.	<b>Assumption:</b> All information is available for completion of IPR reports in a timely manner. <b>Risks:</b> Delays to completion due to insufficient information from beneficiaries. <b>Contingency:</b> Early contact with GC contacts for each beneficiary and continuous monitoring by PMO and regular review by EB.