

## Working Package

WP no	WP name	Lead partner	Start month	End month	Deliverable no
6	Training	<b>Lorraine Brennan</b> <i>lorraine.brennan@ucd.ie</i>	1	24	Completion of suite of on-line resources on ethics, privacy and IP issues, Resource of SOPs for data Collection, Delivery of Training in Ontology Workshop, Finalisation of database interface training pack, Workshop on database interface use at University College Dublin, Finalisation of FAQ section for use by wider community, Development of suite of on-line resources on ethics, privacy and IP issues, Teleconference between partners to assess SOPs for inclusion, Collation of information for training workshop, Teleconference to discuss dataset preparation guidelines, Agreement on information to include in FAQ section

### Detailed information on work packages

#### WP Leader:

Legal name of organisation: UCD - Institute of Food and Health - University College Dublin

Country: IE

ZIP code: Dublin 4

Town: Dublin

Street name, number: Belfield

Additional (e.g., department, building...):

Website:

Mrs/Mr: Lorraine Brennan

Title: DR

First name:

Last name:

Function:

Phone:

Fax:

E-mail: DR

#### Additional information on person

(max. 1500 characters) concerning personal background and explain responsibilities and tasks:

Dr Lorraine Brennan represents JINGO in ENPADASI. JINGO comprises PIs from UCD, UCC, UU and TCD. Between 2007 and 2013 JINGO carried out the collection of nutritional phenotype data from almost 7,000 adults through a series of 3 studies; 1) a cross-sectional population study of 1,500 adults, 2) an acute intervention study of 214 healthy adults, and 3) a follow up multi-centric nutrigenomics study of 5,200 elderly adults. Dr Brennan is a Conway Fellow and a PI in the UCD Institute of Food and Health. Her research revolves around metabolism and altered metabolic pathways in health. She leads a metabolomics research group and is instrumental in the development of metabolomics for nutritional research. Areas currently under development include the use of metabolomics to identify novel biomarkers of dietary intake and the use of "metabotypes" to identify responder's to dietary interventions. She is a partner in the FP7 project NutriTech where she leads a workpackage on the use of metabolomics in the assessment of dietary intake. She is a PI in The National Nutrition Phenotype Database. She has published over 70 peer-reviewed publications including publications in leading

journals such as Nature, Diabetes and Diabetologia. She regularly serves as a reviewer and since 2010 she is serving as an academic editor in PLoS One. Dr Brennan is a member of the Executive Committee of the European Nutrigenomics Organisation. She will lead WP6 and ensure successful completion of all tasks.

<b>Partners Involved</b>				
<b>Legal name of organisation</b>	<b>Knowledge Hub member (main contact person/ project leader within the organisation)</b>	<b>Person months #</b>	<b>Start month</b>	<b>End month</b>
Ghent University - Faculty of Medicine - Department of Public Health	De Henauf Stefaan	4	1	24
CRNH Rhône-Alpes - Bt 1A	Laville Martine	2	1	24
Alma Mater Studiorum - Università di Bologna - Department of Pharmacy and Biotechnology	Patrizia Brigidi	14	1	24
Istituto di Analisi dei Sistemi ed Informatica Consiglio Nazionale delle Ricerche	giovanni felici	1	13	24
National Research Council - IBIMET	Duccio Cavalieri	1	13	24
Netherlands Organisation for Applied Scientific Research (TNO) - Department of Microbiology and Systems Biology	Jildau Bouwman	5.9	1	24
Bio-Competence Centre of Healthy Dairy Products (BioCC)	Andre Veskioja			
National Institute for Health Development (NIHD) - Department of Surveillance and Evaluation	Eha Nurk	3.3	1	24
University of Liège - Unit of Prof. Michèle Guillaume "Nutrition, Environment and Health" - Department of Public Health	Anne-Françoise Donneau	5.4	8	24
University of Copenhagen - Dept. Nutrition, Exercise and Sports	Lars Ove Dragsted	1.5	1	24
UCD - Institute of Food and Health - University College Dublin	Lorraine Brennan	18	1	24
<b>Total</b>		<b>56.1</b>		

### **Description of work package:**

General Description description-10-545c8ec2d42be.docx [Show Uploaded Description](#)

#### **Work package 6**

WP name: Training

WP leader: Dr. Lorraine Brennan (Ireland)

### **Description of work package:**

#### **1. Scope of work package (including tasks, deliverables, risks) and interrelations with other work packages**

The present WP aims to develop and provide support and training opportunities to all members of the ENPADASI during the course of

the program. Training of a wide network of researchers within the consortium is paramount to the success of the ENPADASI. To this end a series of tasks which make use of on-line lectures, data resources, on-line and face to face workshops and a help desk have been designed. This work will see integration with members of all participating consortia. The WP is divided into 5 tasks as follows:

Task 6.1 will link with WP5 and its outputs, providing training and on-line resources in ethics, privacy and IP issues. This is an area of growing importance and training in this field and will be important for the future generation of nutrition scientists.

Task 6.2 will provide an excellent resource for the running and collection of data from a range of different types of nutritional interventions. This resource will be an important reference for scientists and should remain important beyond the life cycle of ENPADASI.

Task 6.3 will link with WP4 and will ensure training in the ontologies developed therein. Again for ENPADASI to reach its full potential this is important that training is delivered across the community and especially to non-experts.

Task 6.4 will deal with setting up training in the form of a 1.5day workshop to train users in the Database Interface developed in WP3 and 4. Training in this component will be key to the success of ENPADASI. It will also be key to enabling data sharing between partners and will facilitate the delivery of WP2.

Task 6.5 will see the development of an on-line support system for scientist's using the Database Interface. This will comprise a series of FAQs and a help desk.

## **Deliverables**

- D6.1** Completion of suite of on-line resources on ethics, privacy and IP issues (M24)
- D6.2** Resource of SOPs for data Collection (M18)
- D6.3** Delivery of Training in Ontology Workshop (M18)
- D6.4** Finalisation of database interface training pack and circulation prior to workshop (M15)
- D6.5** Workshop on database interface use at University College Dublin (M18)
- D6.6** Finalisation of FAQ section for use by wider community (M20)

## **Milestones**

- MS6.1** Development of suite of on-line resources on ethics, privacy and IP issues (M18)
- MS6.2** Teleconference between partners to assess SOPs for inclusion (M6)
- MS6.3** Collation of information for training workshop (M14)
- MS6.4** Teleconference to discuss dataset preparation guidelines (M12)
- MS6.5** Agreement on information to include in FAQ section (M16)

### 2 Concept and objectives

a. Objectives, vision including scientific/ technological challenges

1. Provide training to scientists in the use of the ENPADASI Database Interface
2. Develop a suite of resources that will help the running of nutrition related studies
3. Work with the coordinator to aid in the development of a longer-term plan for sustained training in the infrastructure following the official end of the program.

The vision for the Training WP is to provide an training for scientists using a variety of methods. The concept is that scientist's from each participating country would in turn train others from that country thus ensuring a widespread dissemination of the tools created by ENDAPASI.

b. State of the art

Not applicable

### C. Scientific/ technological concept

The overarching concept here is to provide excellent training for European Scientists who in turn will become trainers for the scientists in their home country. A wide range of tools will be used to facilitate the training. For topics such as ethics and IP we will utilise on-line lectures and repositories. Likewise for training relating to varying types of nutrition studies we will develop a catalogue of Standard Operating Procedures which can be housed and accessed on-line. Furthermore, workshops will be organised where training in software and interface are necessary.

### 3. Management

The WP leader will oversee the running of the WP. The task leaders will be responsible for the delivery of each task and will be supported by the WP leader. The WP leader will organise regular teleconferences to ensure timely running of the tasks. Additionally she will be responsible for reporting on the progress of the WP.

### 4. Potential impact on the advancement of the research area, capacity building, plan for *translation of research* (suitable for ENPADASI) into public health practice or policy (in 2 years, with a perspective on a longer term)

The success of ENPADASI relies on encouraging and facilitating usage of the systems developed within the programme. To ensure optimal usage the training WP is essential. Through a range of workshops, on-line tutorials and a help desk we will ensure the maximum usage of the interfaces developed. Furthermore the usage of the interface and the sharing of the data should maximise outputs from nutrition studies. This in turn will help impact on translational research.

### 5. Overall strategy of the work plan

**Task 6.1:** Provide training in ethics, privacy and IP – Eol65 [lead], Eol35, 37, 41, 55+66 – month 1-24

Develop a suite of on-line resources for training in ethical analysis and regulatory issues, IP and privacy. The resources will include on-line lectures and documents. Use will be made of procedures and documentation already created by the JINGO consortium.

Related deliverable and milestone: D6.1, MS6.1

**Task 6.2:** Resource of Standard Operation Procedures (SOPs) for Data Collection – Eol41 [lead], Eol35, 50, 55+66, 65, 71 – month 1-18

Build a repository of SOPs in relation to the performance of Human Nutrition Studies (based on the input from WP2 task 2.2 and 2.3).

This task will involve generating a generic SOP which can be amended to accommodate all intervention studies and observational studies. The generic SOP will be generated in line with the guidelines used for intervention (CONSORT) and observational (STROBE) studies. The completion of individual SOPs will be used as a training mechanism for involving researchers in each country. It is anticipated that the individual SOP completion will be undertaken in a workshop lasting 1.5 days. As part of this workshop the guidelines for both CONSORT and STROBE will be discussed using case studies. The importance of undertaking a systematic review with meta-analysis will also be discussed for both intervention and observational studies using the PRISMA guidelines.

Related deliverable and milestone: D6.2, MS6.2

**Task 6.3:** Training in Ontology - Eol45 [lead], Eol41, 50, 55+66, 71 – month 13-24

This task will create awareness of the Ontology developed in WP4, in order WP4 to be practically used in the scope of the project's activities, as well as beyond the duration of the project itself. According to that, the training activities will have two main purposes:

- To enlarge the comprehension and the access to the Ontology to a wider group of people within the Consortium.
- To enable and support stakeholders within the Consortium in training other young researchers in their home countries (local training).

The training in the Ontology will address different perspectives, such as:

- The methodology, by teaching about the process followed in WP3 for the development of the Ontology;

- The contents, by describing the structure and the organization of the concepts and relationships among concepts in the Ontology;
- The usage, by presenting examples of practical application of the Ontology in the framework of the overall project platform, e.g., semantic annotation of data and semantic search.

In order to put in place the planned training the main efforts of the task will be devoted to:

- The organization of a one and a half day workshop, where the results of the Ontology development will be presented. The workshop will be organized by means of lectures and hands-on sessions, which will cover the different training perspective as described above. For a more effective and fruitful activity, training material will be provided to the workshop's participants prior to the workshop and, in case, they will be asked to complete a series of tasks before the workshop itself. A workshop report will be prepared by the task leader. The report, together with the training material will contribute to Task 5 (Online FAQ and help desk).

Related deliverable and milestone: D6.3, MS6.3

**Task 6.4:** Training in Database Interface – Eol65 [lead], Eol41, 50, 55+66, 64, 71 – month 8-24

In order to ensure good training across the ENPADASI consortium a training workshop focusing on the use of the Database Interface will be organised. The workshop will include at least one researcher from each participating country. These researchers will then be responsible for the training of the researchers in their respective country.

The workshop will take place over 1.5 days. Prior to the workshop participants will be sent an online pack consisting of introductory information on the Phenotype database program function and structure, the data format requirements of the program and guidelines on optimal dataset preparation. Each participant will be required to format their dataset to match requirements before attending the workshop. A tele- or video-conference meeting will be held prior to this to address any queries relating to dataset preparation, which will be followed up by email or telephone communications with individual participants where required. All participants will be asked to bring finalised datasets to the workshop which are ready for uploading. Training will take place at UCD where active learning rooms are available.

A general outline of the workshop will be as follows:

Day 1

- Introductory session which will give an overview of the Database Interface and the learning outcomes of the workshop.
- Introductory presentations from each participating country.
- Hands on working with the Database Interface where each person will work with their own dataset. Real-time data entry issues that arise will be discussed amongst the group and attempts will be made to resolve problems. All data entry trouble shooting, participant enquires and feedback will be documented.

Day 2

- Further advanced use of the Database Interface lectures followed by hands-on training

A workshop report will be prepared by UCD that will contribute to Task 5.

Related deliverables and milestone: D6.4, D6.5, MS6.4

**Task 6.5:** Development of Online FAQ and help desk – Eol50 [lead], Eol41, 55+66, 64, 65, 71 – month 13-24

In Conjunction with WP2 and WP3 we will develop an online Frequently Asked Questions section which will be updated from the training in task 3 and 4. This will be developed in order to facilitate researchers to use both the developed ontology and the Database interface.

Related deliverable and milestone: D6.6, MS6.5

**Budgetary table**

	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>Total Costs</b>
personnel [k€]				0
travel [k€]				0
consumables [k€]				0
equipment [k€]				0
dissemination [k€]				0
others [k€]				0
direct costs [k€]				0
indirect costs [k€]				0
requested funding [k€]				0
<b>Total [k€]</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>