

**Proposal for Pilot Action in 2012 - Draft**  
**JPI Healthy Diet for a Healthy Life**

**Pilot HDHL-2012-1 European research network of determinants of dietary and physical activity behaviours.**

The objective is to improve understanding of how individual, social, economic, cultural, gender, biological, environmental and policy factors influence health-related to diet. An important element is to integrate biological and social sciences in order to understand how these interact when considering the effects of food and physical activity choices and health.

Although there has been extensive research in different disciplinary areas focusing on this topic, integration is poor and resulting policy fragmented. An effective approach to integrating activities is a network of excellence, which will enable researchers from different disciplines to collaborate and set up joint databases for further analysis, as well as establishing a set of standardised measures to facilitate prospective studies at a pan-European level and build a platform for further research in this field.

An important outcome will be to design the infrastructure for long-term prospective studies, which can track change and the impact of policy interventions in European populations in the future.

Supporting Member States:

*Finland, Belgium, Ireland Switzerland, Slovakia, Spain, France, Germany, Italy, Norway, Netherlands*

**Pilot HDHL-2012-2 Roadmap initiative for biomarkers for nutritional/health claims.**

Set up a Roadmap-initiative for biomarkers of nutrition and health and in the framework of the European Health Claims Regulation (Pass-Claim II). Define research strategies and launch research activities that address the needs of consumers as well as industry towards measures on claims and explore new methodologies/emerging biomarkers in consumer subgroups (target groups) or individuals at risk.

The objective is to develop guidelines for a dossier for health claims.

Supporting Member States:

*Ireland, Swizserland, Belgium, Spain (?), France (?), Germany (?) Italy, Netherlands, Slovakia*

**Pilot HDHL-2012-3 European nutrition phenotype data sharing initiative**

Establish a European Nutrition Phenotype Assessment and Data Sharing Initiative providing a standardised framework for human intervention studies on food and health and their phenotypic outcomes with an open access reference data base.

It is the goal of this activity to launch a European Nutrition Phenotype Initiative that provides the highest level of standardisation of all phenotypic information of study subjects with regard to diet, physical activity levels and all biological, clinical and

physiological measurements that define human body responses in health and disease states. The highest possible level of standardisation in data collection, measurement and analysis allows the creation of a nutritional phenotype data base as an open access tool for all future intervention and epidemiological studies. Emerging technologies relevant for nutrition and food research and biomarker discovery should be actively incorporated in the standardisation efforts and workflow pipelines and data basing. Developments in bioinformatics and systems biology need to be tailored to nutritional research needs and incorporated. Training activities need to be offered on a regular basis to facilitate implementation.

Type of action proposed: Coordination Action

Supporting Member States.

*Ireland, Spain, France , Germany, Italy, Norway, Finland, The Netherlands, Slovakia*

**Countries can participate to the Pilot Actions with a virtual common pot as well as in kind. In kind contributions means that research activities which are already nationally funded will be coordinated with the JPI.**