

RESEARCH AREA 3

DIET-RELATED CHRONIC DISEASES

JOINT ACTION: **European Nutrition Phenotype Assessment and Data Sharing Initiative**



ENPADASI

WHAT

The main objective of the ENPADASI Knowledge Hub (KH) was to deliver an open access research infrastructure containing data from a wide variety of nutritional studies, ranging from mechanistic/interventions to epidemiological studies including a multitude of phenotypic outcomes that facilitates integrated analyses. ENPADASI aimed at developing a sustainable storage and analysis system for the nutrition research field.

WHO

The ENPADASI KH, a consortium of 51 research centres from 10 countries (Belgium, Denmark, Estonia, France, Germany, Ireland, Italy, Spain, The Netherlands and The United Kingdom), was coordinated by Jildau Bouwman (NL) and Duccio Cavalieri (IT) as deputy.

HOW

The ENPADASI work programme focused on three main activities: (1) database development, (2) integration of existing databases into ENPADASI, (3) training of researchers in the use of the system. To attain both the project goals a set of activities were carried out:

- Development of standards and definition of minimal requirements in order to connect existing databases and to facilitate the validation and integration of new studies, as well as drafting of data sharing guidelines.
- Technical development of a distributed infrastructure.
- Development of ontologies and tools for integrated analysis on multiple studies and identifier mappings to facilitate biological interpretation.
- Drafting of guidelines for efficient and legal data sharing, considering respective ethical, data protection, intellectual property, and data sharing policy aspects.
- Training of researchers in using the infrastructure.
- The main results and outputs are available on the ENPADASI website: www.enpadasi.eu

WHEN

ENPADASI started in December 2014 and ended in summer 2017.

FUNDING

The ENPADASI KH consortium received approximately 1.6 Mio € in cash and 2.0 Mio € in kind funding through funding and research organisations of Belgium, Denmark, Estonia, France, Germany, Ireland, Italy, Spain and The Netherlands.

Coordinator: **Dr. Jildau Bouwman** (TNO, the Netherlands)

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ENPADASI website: www.enpadasi.eu

JPI HDHL website: www.healthydietforhealthylife.eu



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