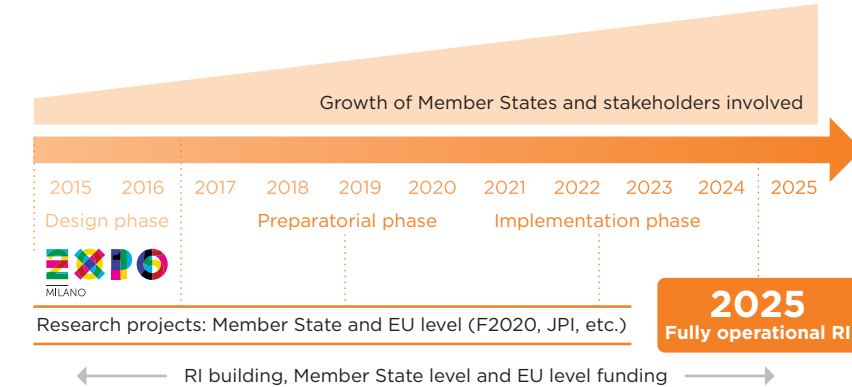## Stakeholder benefits

DISH-RI will enable:

- Policy makers to increase the impact of public health nutrition strategies and improve the health of all Europeans.
- Private partners to be involved as providers of data and as users of the services of the RI, to foster product innovation and strengthen competitiveness.
- Societal organisations and professionals to build their strategies and advice on solid evidence.

Ambitions for the future

The aim for DISH-RI is to reach a fully operational status within a 10-year period. Stakeholder support is required as well as funding at both Member State and EU level to construct the building blocks that shape the RI.

Growth of Member States and stakeholders involved

| 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |

Design phase

Preparatorial phase

Implementation phase

Research projects: Member State and EU level (F2020, JPI, etc.)

2025 Fully operational RI

RI building, Member State level and EU level funding

"EuroDISH / DISH-RI will contribute to capacity development of food, nutrition and health RIs that are relevant for public health nutrition strategies across Europe. This will enable improving the overall quality of the European population's diet, nutritional status and health."
Mirjana Gurinovic (Research team leader-nutrition at CENM and member of the EuroDISH Project Advisory Board)

EuroDISH partners

LEI WAGENINGEN UR

WAGENINGEN UNIVERSITY WAGENINGEN UR

UNIVERSITY OF SURREY

EUFIC European Food Information Council

DTU

IFR Institute of Food Research

Lyon 1

UNIVERSITÉ PARIS 13

National Institute for Public Health and the Environment Ministry of Health, Welfare and Sport

CRA CONSIGLIO PER LA RICERCA IN AGRICOLTURA E L'ANALISI DELL'ECONOMIA AGRARIA

EuroFIR

LUND UNIVERSITY

NuGO

ILSI Europe International Life Sciences Institute

Maastricht University

Join the EuroDISH LinkedIn group!

@EuroDISH

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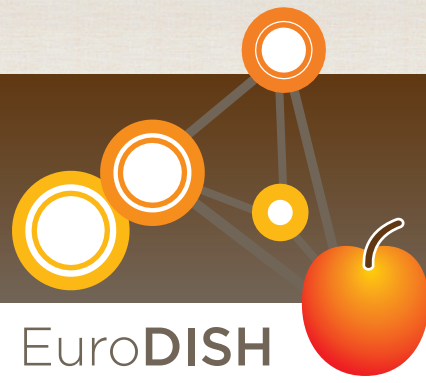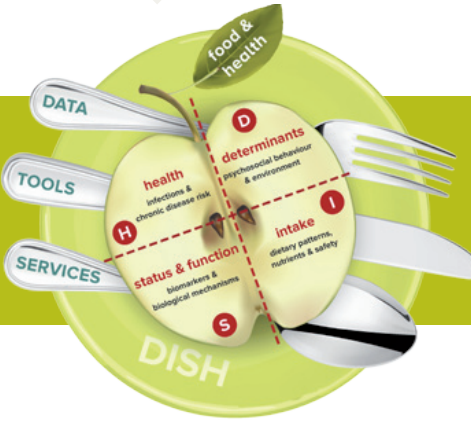
Advancing food and **health research** in Europe

Determinants • **I**ntake • **S**tatus • **H**ealth

Studying the need for **food** and **health research infrastructures** in **Europe**

EuroDISH

Building a **research infrastructure** on **food** related to **nutrition** & **health**

DISH-RI

DATA

TOOLS

SERVICES

food & health

determinants

intake

status & function

health

DISH

www.eurodish.eu

These are the outcomes of the EuroDISH project, a three-year project that aimed to define which RIs exist in the food and health area, what is needed, and how this can be achieved.
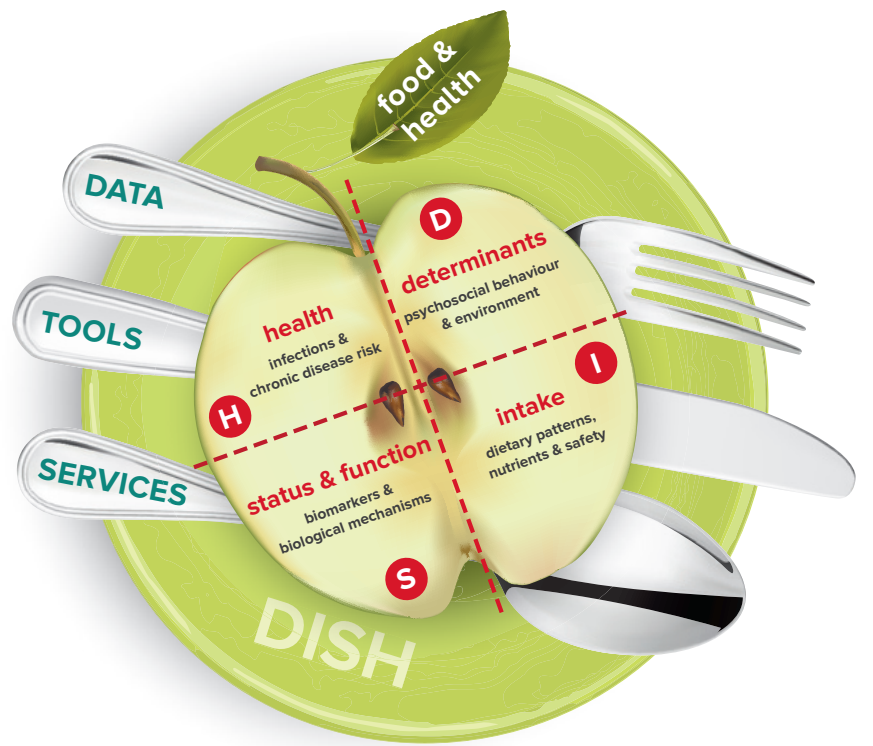
DISH-RI: Data, tools and services connecting the DISH domains in the food and health area

Background and societal challenges

Europe and its Member States face major societal challenges related to:

- The economic, social and health burden of diet-related public health challenges, including obesity, cardiovascular disease, cancer and type 2 diabetes.
- Food production, food and nutrition security, and environmental issues.

Such problems can be combatted by changes in people's lifestyles and by improvements in food and nutrition. Through regulations, policies, interventions, communication campaigns, product reformulation, and other public health nutrition strategies, public and private stakeholders contribute to the promotion of healthier lifestyles and food environments. Cutting-edge and high quality research is vital to better understand the relationship between food, nutrition and health, and progress the development of effective strategies to decrease diet-related health issues. DISH-RI will strengthen this research field and bring it to the next scientific level.

The need for DISH-RI

The European project EuroDISH (2012-2015) mapped existing RIs in a systematic way and identified the needs. Mapping was done for each domain of research related to food, nutrition and health: Determinants, Intake, Status and Health (DISH). The following gaps and needs were identified:

- RIs in the domains of Status and Health are emerging.
- RIs in the domains of Determinants and Intake of food are lagging behind.
- There is no specific RI that serves the needs of the food and health research community across the DISH domain as a whole.

Based on discussion with stakeholders in interviews and workshops, it was concluded that:

- There is a need for DISH-RI: A RI that is specific for food related to nutrition and health, that connects existing RIs, and that over-arches the DISH domains.
- The main value of DISH-RI would be to (a) enable research for better understanding the behaviour of consumers concerning food intake and lifestyle, including emerging opportunities in ICT and neuroscience, and (b) find a structure for public-private partnership that accommodates the different interests.
- DISH-RI would help to connect research on food production and on health and address the societal challenges in these domains.

Research infrastructures

RIs are facilities, resources or services which support the scientific community to conduct top-level research. Examples of RIs are CERN, the Hubble telescope, the BBMRI biobanks, and the European clinical research infrastructures network (ECRIN). RIs facilitate harmonisation of data and procedures, unique data management, training of staff, professional networks, knowledge transfer, major buildings, equipment and instruments and knowledge-containing resources such as e-platforms and data banks, etc. The main purpose of RIs is to:

- Build bridges between national (public and private) research communities and scientific disciplines.
- Connect research, education, and innovation.
- Help to shape scientific communities, attract young people to science, and attract the best researchers from around the world.

Hence RIs facilitate the research community in sharing and harmonising data, instruments, and methodologies, etc., avoids duplication, and increases impact.

Value creation by DISH-RI

DISH-RI will support the research community by integrating the fragmented data and tools and provide services across the DISH domains:

- **Data** generation, storage, management, harmonisation, access, analysis and interpretation, e.g., pan-EU food surveillance; pan-EU nutritional health cohorts and interventions; data on food quality, food safety and sustainability.
- **Tools**: The development, utility, innovation, standardisation and evaluation of innovative technologies for assessment of lifestyle, diet, biomarkers of exposure, functionality and health outcomes.
- **Services** to the research community and stakeholders relevant to integration of data and knowledge. These services will enable a systems approach for food related to nutrition and health; attract young researchers; promote education, capacity building and e-training; provide a platform for industry, research, and policy; widen participation between European countries and global partners.

"The mapping as performed by EuroDISH contributes to the actions needed to establish a European Nutrition and Food Research Institute as envisioned by JPI HDHL."
Jolien Wenink (Project Manager JPI-HDHL and member of the EuroDISH Project Advisory Board)

Organisation and governance

The proposed overarching structure is in line with current European research infrastructure models. It is based upon the hub and spokes model with a central co-ordination hub and connected expertise from different countries. Central elements are:

- **ICT backbone** supporting the interoperability, standardisation and quality management of data and tools.
- **Central entry point** to provide services to researchers, stakeholders, and related RIs.
- **Governance structure** that (a) provides conditions for access such as membership, ownership, privacy, and trust, (b) organises centralised and distributed activities, and (c) enables flexibility regarding innovation within the RI.