

About FNH-RI

FNH-RI: a Pan-European Community



- 28 European countries + 2 global partners
- >100 institutes
- 11 Expressions of Political Support (Dec 2019)
- 7 Expressions of Financial Support (Dec 2019)
- Nearly 13,000 Scientific Users and 1000 Institutes in mature phase



- 2012-2015 Needs assessment EuroDISH
- 2015-2018 Design phase RICHFIELDS
- 2018-2021 ESFRI preparation phase
- 2022-2024 Preparatory phase
- 2025-2029 Implementation phase
- 2030-2039 Maturity
- 2040-2045 Next generation RI

Timeline

Vision: By 2050, EU citizens eat food that benefits personal, public and planetary health, coming from a sustainable food environment that supports responsible choices. A 50% reduction in food-sector environmental impacts and diet-related disease is realised.



Mission: FNH-RI drives transdisciplinary research by connecting research-, industry- and citizen-generated data and facilities on nutrition and food environment, initiating the required food system transformation in Europe.

Vision & Mission



- Advanced data science, modelling, and predictions as applied to the fields of food, nutrition and health
- Pan-European partnerships to perform cutting edge, transdisciplinary science
- Training networks for a thriving new generation of scientific researchers, trained and equipped to operate at the intersection of food, health and environmental sustainability
- Engaged consumers stimulating the redesign of sustainable food supply and preventative health and well-being for all
- A healthy and sustainable food system to feed a growing population of Europeans for the 21st century

Impacts

Preparatory phase: Partners within the FNH-RI foundation with financial and political support govern the project



Implementation and beyond:

- FNH-RI Hub with interlinked national Nodes, with Heads of Nodes determining strategic scientific agenda
- Assembly of Member States is supervisory body
- Three advisory bodies: Scientific, ELSI (Ethical, Legal, Societal and Innovation) and Industry
- Preferred Legal framework of FNH-RI: ERIC (European Research Infrastructure Consortium)

Governance

What does it mean for members?

Unique Selling Points



- **Uniting of fragmented domains** across the biological and social sciences to facilitate breakthrough research on healthy and sustainable diets for 21st century citizens
- **Open access to data and cutting-edge methodologies** to pursue advanced research questions, shaping the pace and direction of healthy and sustainable food innovation
- **Sharing of advanced facilities** to measure nutrient intake, food reformulation and the behaviour of consumers in their food environments
- **Guides public and private sector to innovate policies and practices** on healthy and sustainable food

Offers



- **Supports institutional adoption of standards and procedures for data sharing**; allowing collaborative access to unique data on food environments, diet and health, sustainability and consumer behaviour
- **Access to advanced data science capacities, data platforms, facilities, training and education**
- **Development of a pan-European Citizen's Data Platform** for cutting-edge research on consumer behaviour and food environments
- **Engagement of policy and industry** via knowledge and expertise for foresight, modelling, monitoring and evaluation

Societal Breakthroughs



- **Reduction of non-communicable disease:** healthy diets and food environments reduce diet-induced diseases such as diabetes, heart disease, cancer and obesity
- **Improved sustainability of diets:** new plant protein sources and revitalised food environments reduce the ecological footprint of the food system
- **Engaged consumers and citizens** to help motivate the food systems transformation and the above two goals

Membership & Investments



Total operational costs: €26 million/yr
Member state investments to develop National Node services: €22.5 million/yr
Membership fees to support the Hub totals €3.5 million/yr

The above costs are shared by member states based on a GDP formula

Return on Investment for Nodes



Impact on research and development:

- Nodes exploit, develop, align and share their unique expertise and services via smart specialization and business models
- Improved efficiency of research by standardized access to pan-EU data, facilities and training

Socio-economic impacts:

- Results from pan-EU research are fluidly implemented into national strategies for healthy and sustainable diets
- National and pan-EU socio-economic benefits from reduced ecological footprints (~€20 billion/yr) and reduced diet-related disease (~€160 billion/yr)