
HORIZON EUROPE

ESFRI 2024 Landscape Analysis in Health & Food domain, ESFRI Roadmap & future project evaluation



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- ESFRI June Landscape Analysis June 2024: Health & Food
- ESFRI Roadmap and new project evaluation

ESFRI Landscape Analysis Health & Food

- Strong links between environmental, food, lifestyle & health issues: food production & processing depend on environment & affect it too.
- Nutritional habits & food quality affect health; food safety & food composition needs healthy & unpolluted environment. Agrifood sector significant source of GHG but can contribute to GHG emission mitigation.
- COVID crisis highlighted the links between food, biodiversity, health and climate and the need for the “One Health” approach.
- Farm to Fork Strategy sets out goals for agro-food systems : fair, healthy & environmentally friendly. Aims accelerate transition to a more sustainable agro-food value chain.

ESFRI Landscape Analysis Health & Food

- Agri-food sector major challenges include sustainable food production in an increasingly variable climatic environment & need to adapt to climate change.
- Geo-political tensions & war lead to supply issues for basic commodities & increasing costs for raw materials used in food production such as feed, fertiliser & fuel.
- Food security in a global context, significant health challenges connected to poor diet, obesity, undernutrition & malnutrition hamper quality of life and life expectancy.

ESFRI Landscape Analysis Health & Food

- Trends in the domain:
 - Triple planetary crisis: climate changes, pollution & loss of biodiversity impact both health & food production in Europe. Spread of vector borne diseases, new to the region, and drought threatening crops in Southern Europe.
 - There is a trend towards providing open access and developing open data policies. Despite being an increasingly accepted approach, it also raises a few questions which need to be addressed.
 - Pressure to provide more services to industry. A business model for services to the private sector needs to be implemented.

ESFRI Landscape Analysis Health & Food

- Trends in the domain:
 - Call for a cross-disciplinary, integrated and multiple level way of addressing scientific problems and questions.
 - Important gap identified related to phenotyping of biotechnological improvements for animal farming systems (livestock and fish), whose characterisation is not included within EMPHASIS which does not have the required infrastructure to develop phenotyping studies in animals.
 - To consider to further develop EMPHASIS capabilities for animal phenotyping studies, including fish species used in aquaculture.

Evaluation proposals new Projects to ESFRI Roadmap

Planning

- Infoday [Roadmap 2026 InfoDay | www.esfri.eu](http://www.esfri.eu) 8 October 2024
- Open call for Proposals 8 October 2024
- Submission of Proposals 8 April 2025
- Critical questions, invitations to hearings December 2025
- Hearings February 2026
- ESFRI Forum Decision June-September 2026
- ESFRI Roadmap Launch December 2026

Evaluation proposals new Projects to ESFRI Roadmap

Eligibility Criteria

- Proof of political support by Lead Country plus two other Member States or Associated countries
- Proof of financial commitment : Expression of commitment to financially contribute to preparation & implementation phases by an authority from Lead country
- Proof of inter-institutional & multi-lateral agreement i.e. Memorandum of understanding signed by core partners

Evaluation of Scientific Case

- Scientific Excellence
- Pan-European relevance
- Socio-economic impact
- User strategy & access policy
- E-needs & data
- Environmental considerations

Evaluation of Implementation case

- Stakeholder commitment
- Preparatory Work & planning
- Governance, management & human resources
- Finances
- Risks