Farm to Fork
Improving dietary patterns using AI, to reduce the risk of diseases for a healthier population

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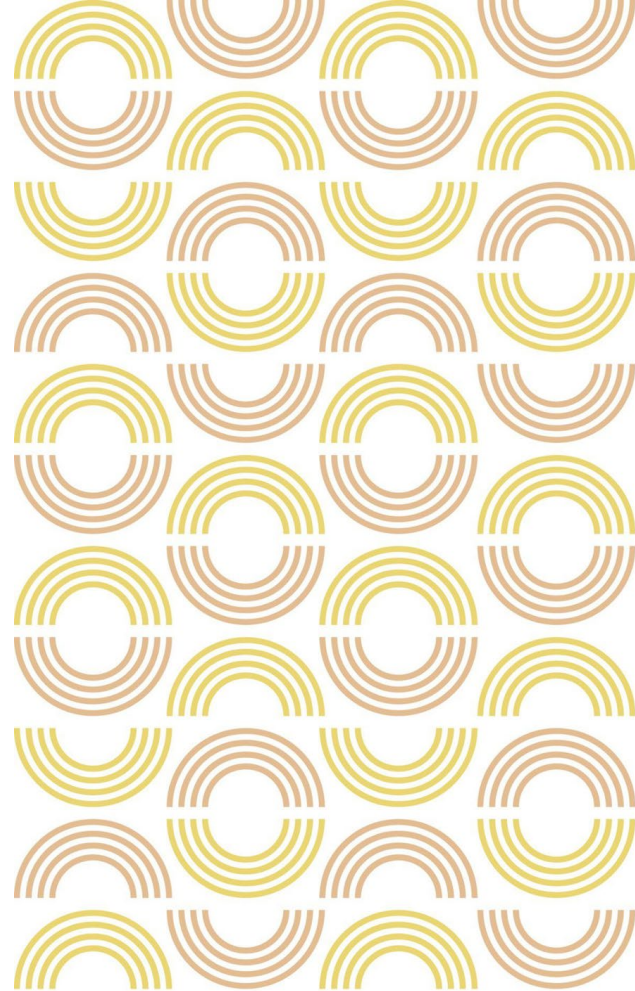
Topic(s) addressed   :

- *Artificial intelligence and data tools for healthy diets and sustainable food systems*

- *Healthy, sustainable and inclusive food environments*

Other topics of interest:

- *ZEROPOLLUTION   -08: Reducing Pollution from the Food and Drink Industries*
- *Biodiversity   -Preservation and protection of vegetal biodiversity at risk of extinction;*
- *Innovating food waste solutions*

Project idea

Europe faces rising rates of diet-related non-communicable diseases (NCDs) such as obesity, type 2 diabetes, and cardiovascular conditions—driven largely by unhealthy dietary patterns. Despite public health initiatives, many citizens still lack access to personalized, actionable dietary advice that reflects both health and sustainability goals.

Artificial Intelligence (AI) and digital tools offer unprecedented opportunities to analyze complex dietary, health, and behavioral data at scale. When responsibly applied, AI can enable personalized nutrition, early disease risk prediction, and healthier food choices, while also informing policy for more inclusive and effective public health strategies.

The objectives include:

✓ To Determine the impact of artificial intelligence on improving food safety measures and reducing the risk of chronic diseases.

✓ To Assess the Impact of Food Safety practices on Chronic Diseases: To Assess Dietary Patterns and Chronic Disease Risk:

✓ To Identify High-Risk Foods: Determine which specific types of foods are most commonly associated with chronic diseases, and identify the primary components responsible for these health risks

✓ To Assess Socioeconomic and Environmental Factors: Investigate the influence of socioeconomic factors (income, education, access to healthy food options) and environmental factors (pollution, climate change) on food safety and chronic disease outcomes.

✓ To develop digital tools personalized healthy dietary patterns

Main expertise offered / sought

We offer expertise on food quality and safety, nutrition, public health and AI.

We are looking for partners from other countries to be part of a project proposal and to contribute with expertise in developing digital tools for modelling healthy dietary patterns and piloting them in different countries according to the respective nutrition culture.

Contact   details

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THANK YOU FOR YOUR ATTENTION AND
LOOKING FORWARD TO HAVING COLLABORATIONS