



Horizon Europe Brokerage Event  
Cluster 6 Calls 2024

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# Health risk assessment of novel protein sources for supporting a sustainable food system

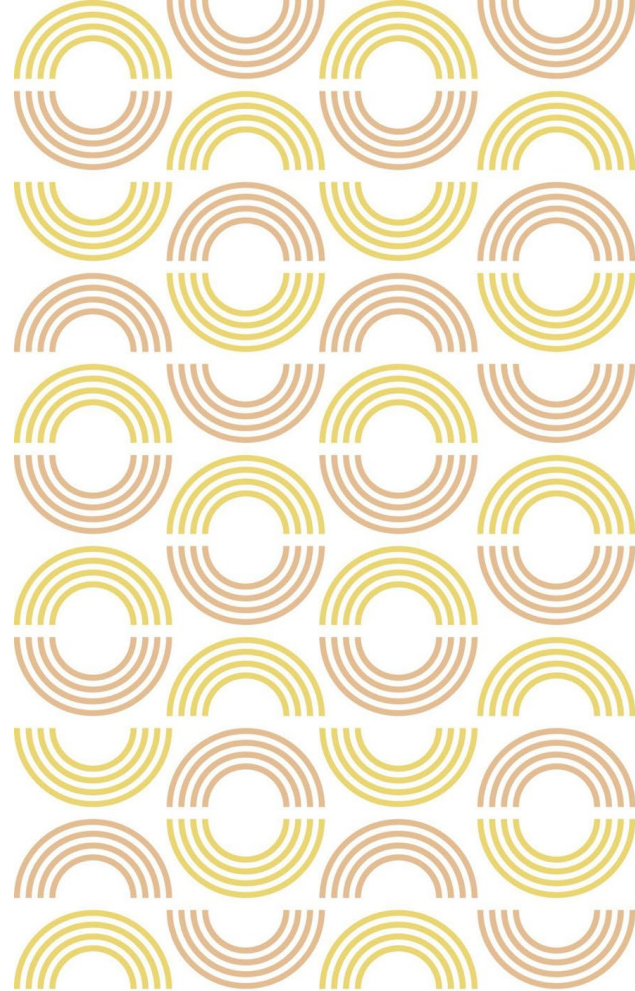
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## Topic(s) addressed :

- **HORIZON -CL6-2024-FARM2FORK-01-7:** Impact of the development of novel foods based on alternative sources of proteins

## Other topics of interest:

- **HORIZON-CL6-2024-FARM2FORK-01-4:** Climate change and food safety: effects of climate change on food safety across food systems
- **HORIZON-CL6-2024-ZERO POLLUTION-01-3:** Environmental impacts of food systems

## Project idea

### Health risk assessment of novel protein sources for supporting a sustainable food system

- Novel protein sources (i.e., insects, algae, rapeseed) are expected to enter the European feed and food market as replacers for animal-derived proteins. However, food safety aspects of these novel protein sources are not well-known. Potential hazards for these protein sources may include a range of contaminants, like heavy metals, mycotoxins, pesticide residues, as well as pathogens.
- The general objective of this project is to investigate the levels of chemical contaminants in various novel food proteins. Subsequently, the project will conduct a comprehensive risk assessment, evaluating both carcinogenic and non-carcinogenic risks for different groups and age categories of consumers based on the obtained results.

## Main expertise offered :

- Analysis of contaminants: i.e., heavy metals, mycotoxins;
- Pilot plant for developing new products based on novel protein sources;
- Published papers related to risk assessment of contaminants;
- Involvement in ongoing projects in the area: i.e., Food Safety4EU (<https://foodsafety4.eu/>);
- Role in project: **partner**

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