



MYMATCH

Building the first AI-driven mycotoxin management platform to address the impact of climate change on food safety and human health.



2024-2028



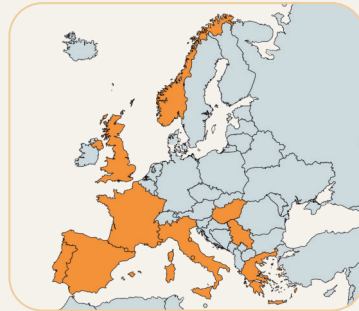
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MYMATCH

CONTEXT

Climate change significantly affects food safety risks by creating conditions, such as temperature and CO₂ increase or changes in rainfall patterns, that favour the proliferation of pathogens and the occurrence of contaminants in the food supply chain, and by introducing unfamiliar or new hazards.

FOCUS



MYMATCH focuses on the impact of climate change on mycotoxins produced by fungi such as *Aspergillus*, *Fusarium*, and *Alternaria*, which are commonly found in maize, wheat, tomato, and nuts.

OBJECTIVES

MYMATCH will develop/improve predictive models based on accurate climate change scenarios to anticipate changes in mycotoxin occurrence in European food systems, assess mycotoxin exposure in humans and animals, and implement effective risk management measures.

INNOVATIONS

- 1. Data and knowledge** on the occurrence of mycotoxigenic fungi in European food systems.
- 2. Fungus and MY occurrence Risk Prediction Module** in the context of climate change.
- 3. MYMATCH CC Scenario Builder**, a unique climate change scenario service for European food systems.
- 4. MYMATCH AI Mycotoxin Platform**
- 5. Guidelines for MY mitigation and adaptation measures** for agri-food practitioners.
- 6. Policy recommendations.**



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