

MycoKey is a new project funded by the European Commission under Horizon 2020 programme, Societal challenge 2 "Food security, sustainable agriculture and forestry, marine, maritime and inland water research and the bioeconomy challenge" - topic "Biological contamination of crops and the food chain".

It aims to deliver in 2019 the first integrated ICT based solutions to address mycotoxin contamination along the food and feed chain, by using an holistic and sustainable approach.

In the past, several actions have been developed to counteract mycotoxins effects and risks in the single stages of the value chain, often difficult to be applied by common farmers and SMEs.

MycoKey will integrate innovative key actions into an user friendly and cheap application, able to provide real-time information and suggestions for mycotoxin management to several stakeholders. Studies will be carried out to investigate new methods to prevent the contamination in the field, during processing and storage. New sustainable technologies will be developed (i.e. drones) to monitor toxigenic fungi, analyze and prevent the mycotoxin contamination and risk, finally to apply remediation tools.



Integrated and innovative key actions for mycotoxin management in the food and feed chain

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Partners

- 23 Scientific Partners
- 5 Industrial Partners
- 1 Producers Association
- 3 Small Medium Enterprises



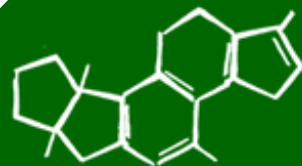
EU-CHINA
research
cooperation



Integrated Information System

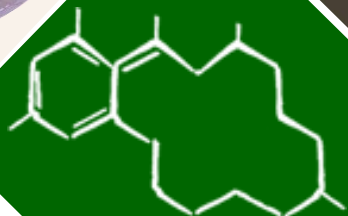
Research

- Global Mycotoxin Knowledge.
- Prevention, intervention and remediation strategies.



Objectives

- To generate innovative and integrated solutions.
- Support stakeholders in effective and sustainable mycotoxin management along food and feed chains.
- To give a sound contribution for reducing mycotoxin contamination mainly in Europe and China, growing international trade of commodities and contaminated batches.



Innovation for food and feed chain

MycoKey Tools

MycoKey App
Sensors
Knowledge Platform

Mycokey new approach and data for

Biocontrol Detoxification
Adsorbents Biofuel
Use of enzymes

