



**FOODSAFER**  
• EVERYBODY'S BUSINESS •



— THE FOODSAFER OPEN DIGITAL HUB

# A TRANSPARENT DIGITAL HUB FOR **ADVANCED HAZARD COMMUNICATION**

PRESENTED BY IRIS TECHNOLOGY SOLUTIONS • HORIZON EUROPE • GA NO. 101060698

## — THE FOODSAFER OPEN DIGITAL HUB

# WHAT IS THE FOODSAFER OPEN DIGITAL HUB?

A European-led, moderated international community of food-safety professionals, supported by **shared data**, **collaborative workspaces** and **AI-driven analytics** to identify, understand and respond to emerging food-safety hazards and risks earlier.



— WHY IT MATTERS

# BIG RISKS BEGIN AS WEAK SIGNALS

Emerging risks arise from complex interactions between animal health, environmental change, global trade and evolving production systems — first appearing as faint signals scattered across literature, surveillance and expert observation.

DIGITAL **FASTER** food safety

INTERNATIONAL **BROADER** food safety

AI-POWERED **DEEPER** food safety



**CATCH IT EARLY** Spot the signal before it becomes a crisis, and you can prevent or manage the risk — not just react to it.

— THE VALUE PROPOSITION

**FoodSafeR transforms food safety in Europe and beyond — hosting a community of professionals who work together to proactively identify and manage emerging risks, for a safer, healthier food supply for everyone.**

— FOODSAFER · EVERYBODY'S BUSINESS



— WHAT MAKES IT DIFFERENT

# NOT ANOTHER FEED — A TRUSTED EXPERT NETWORK



## CLOSED & TRUSTED

Curated, filtered sources behind a moderated community — so noise and fake information stay out.



## KNOW WHO IS WHO

Every member has a verified profile and affiliation. Trust starts with knowing who is sharing.



## WISDOM OF EXPERT CROWDS

Expert judgement guides the AI — not the other way round. The human stays above the algorithm.

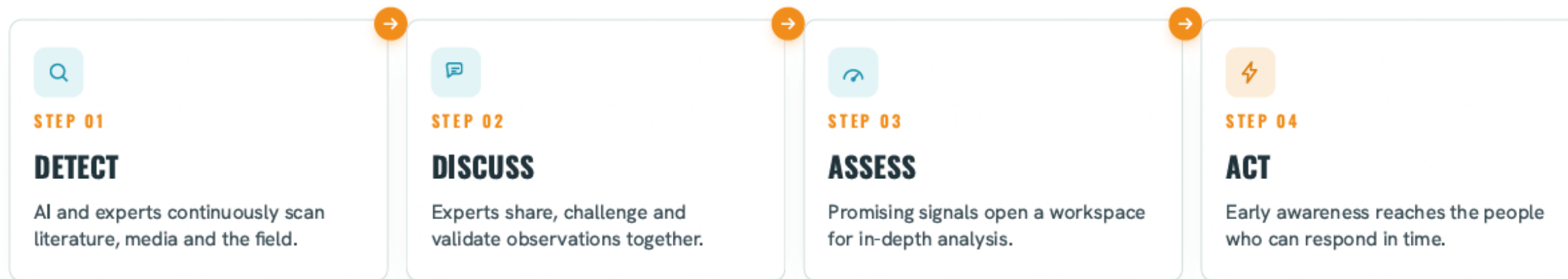


## ONE-STOP SHOP

Community, data, literature and AI analytics in a single, specialised place.

— HOW IT WORKS

# FROM WEAK SIGNAL TO **EARLY ACTION**



**Accelerating each step** — the platform is designed to compress every stage of this process, accelerating the detection, assessment and resolution of potential critical hazards.

— A TOUR OF THE PLATFORM

# INSIDE THE HUB

The sections — and why each one helps you anticipate risk earlier.



01

**THE HUMAN LAYER**

**COMMUNITY & TRUST**

The people who notice the first faint signal.



02

**THE AI LAYER**

**AI-DRIVEN ANALYTICS**

Reading what no team could read alone.



03

**THE WORK LAYER**

**KNOWLEDGE & COLLABORATION**

Turning a signal into a shared, evidenced response.

## — THE HUMAN LAYER · WISDOM OF EXPERT CROWDS

# THE COMMUNITY THAT SPOTS IT FIRST

### A LINKEDIN FOR FOOD SAFETY

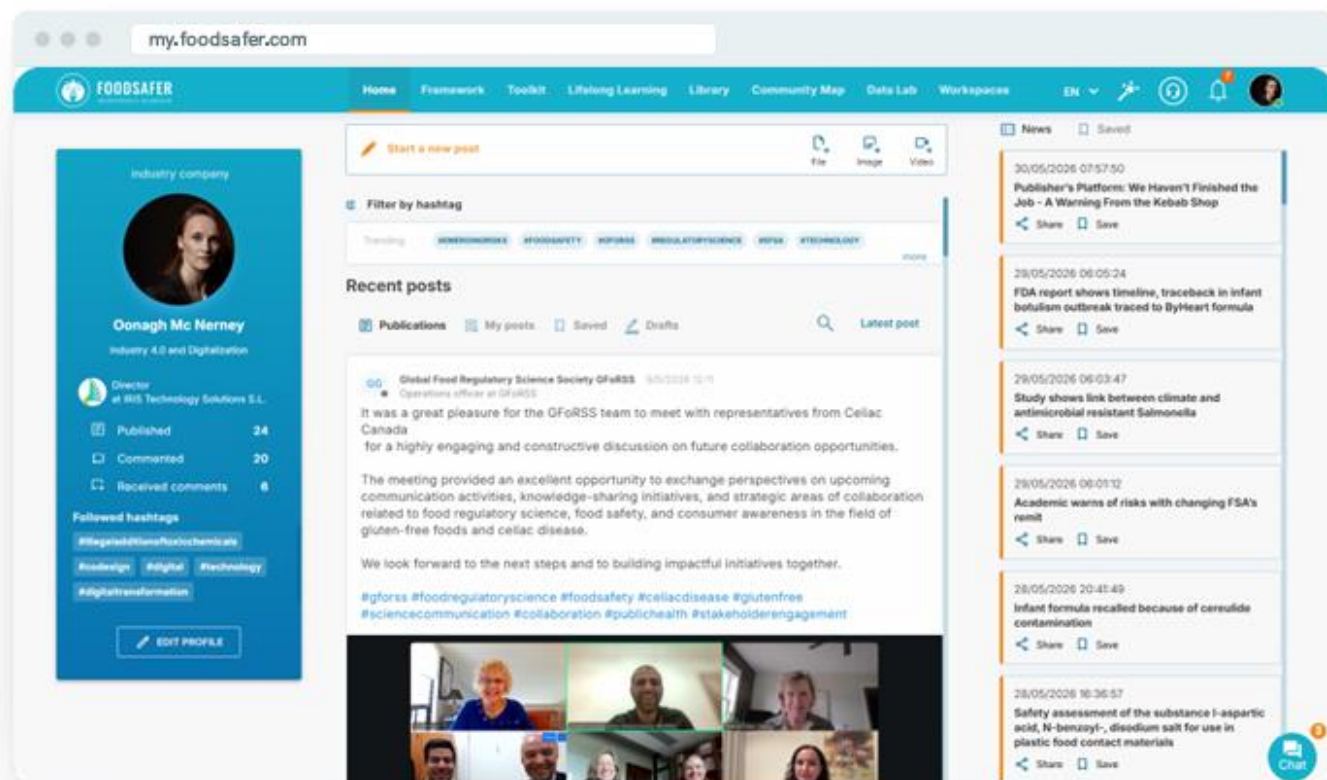
Post, react and discuss in a focused professional feed.

### VERIFIED PROFILES

Trust starts with knowing exactly who is sharing.

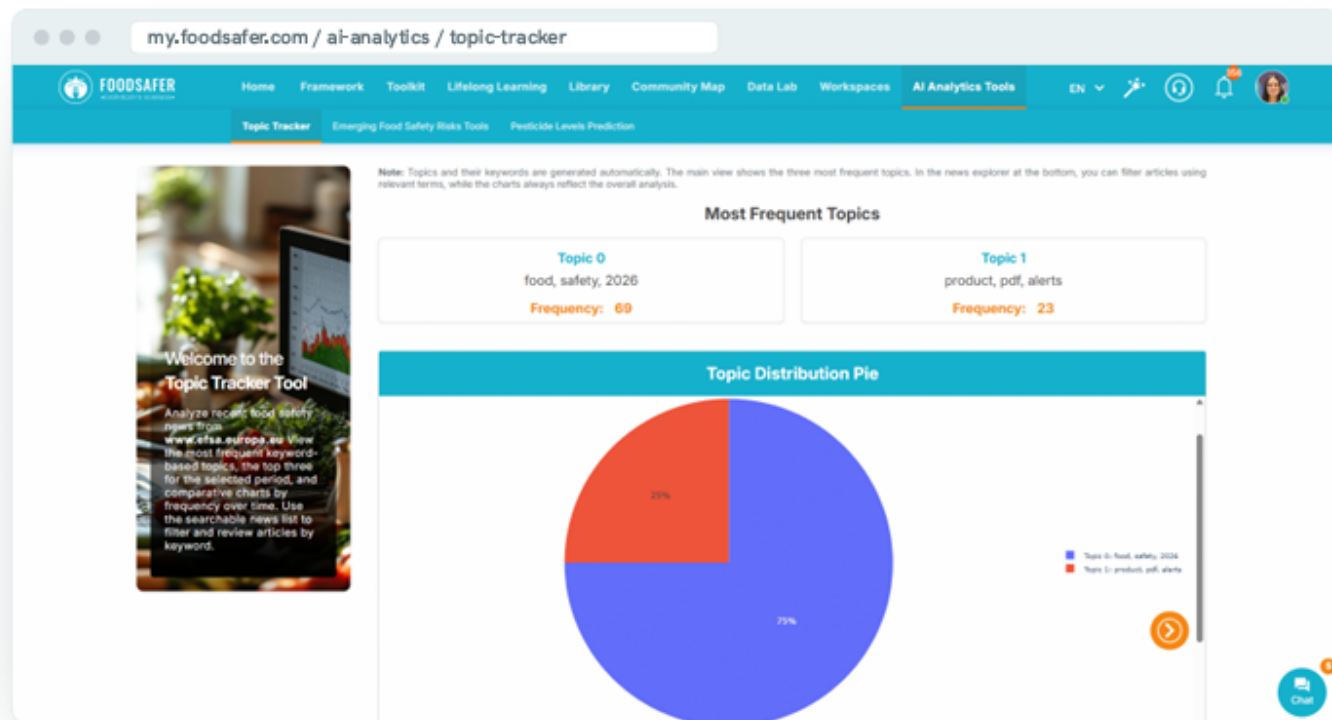
### A GLOBAL COMMUNITY MAP

Connecting people and organisations with one mission.



**IN PRACTICE** An expert posts an early observation — and peers reply within minutes: *"are we at the start of something?"*

## — THE AI LAYER · SIGNAL INTELLIGENCE



## AI THAT READS WHAT NO TEAM COULD



### EU MEDIA MONITOR FEED

Connected to EMM — thousands of curated articles flow in.



### TOPIC TRACKING & TRENDS

See which topics are emerging and how they move over time.



### ALWAYS TRACEABLE

Click any trend to reach the underlying scientific sources.

**WHY IT MATTERS** AI filters huge volumes of literature and media — so experts can focus their attention where it counts.

## — THE AI LAYER · THE CORE OF ANTICIPATION

# DETECTING WEAK SIGNALS BEFORE THEY BECOME ISSUES

- SIGNAL VS. NOISE**  
AI separates genuine weak signals from background noise.
- RANKED WATCHLIST**  
Signals scored by strength and visibility — and explained.
- ALWAYS TRACEABLE**  
Every signal links straight to the supporting scientific evidence.

The screenshot displays the my.foodsafer.com AI analytics interface. The browser address bar shows the URL: my.foodsafer.com / ai-analytics / emerging-risks. The page header includes navigation links: Home, Framework, Toolkit, Lifelong Learning, Library, Community Map, Data Lab, Workspaces, and AI Analytics Tools. The main content area features a modal window titled "294 coccidiostats semduramicin tilimicosin vmp".

The modal window provides the following information:

- Topic 294**: DoV: 0.01267, 2011, 2013, 2014, 2015, 2019, 2023, 2024
- Anomaly Interpretation**: The connection between coccidiostats, semduramicin, and tilimicosin, and the unusual term vmp is that vmp refers to the Vitek Microbial Identification System, which is a common method used in veterinary medicine to identify bacteria and determine antibiotic susceptibility. Coccidiostats, semduramicin, and tilimicosin are types of antimicrobial agents used in animal feed to prevent or treat coccidiosis, a common parasitic disease in poultry. The Vitek system can be used to identify the bacteria responsible for coccidiosis and determine the susceptibility of the bacteria to these coccidiostats.
- General Context (Weak Signal)**: Coccidiostat contamination in poultry products, specifically yolks.
- Semantic Structure**:
  - CORE TOPICS: coccidiostats, semduramicin, tilimicosin
  - DISTANT TERMS (RISK): vmp
- Representative Documents**:
  - Document 1**: Semduramicin is an ionophore coccidiostat used in the poultry industry as a feed additive. Cross-contamination of feeds for non-target animals with semduramicin is unavoidable. However, it is not known whether undesirable residues of semduramicin may occur in food after cross-contaminated feed is administered to animals. The aim of the work was to determine the levels of semduramicin in hen eggs (yolks and albumen) and tissues (liver, muscle, spleen, gizzard, ovarian yolks and ovaries) after administration of feed contaminated with 0.27 mg kg(-1) of this coccidiostat. The residues were determined using HPLC-MS/MS. The distribution pattern confirmed the high bioavailability of semduramicin. Distribution was

The modal window also includes a "VIEW SOURCE" button and a "CLOSE" button.

**THE HEART OF IT** Each signal explains *why* it was flagged — experts assess relevance and decide what matters.

# FROM DETECTION TO PREDICTION

## FORECAST RISK TRENDS

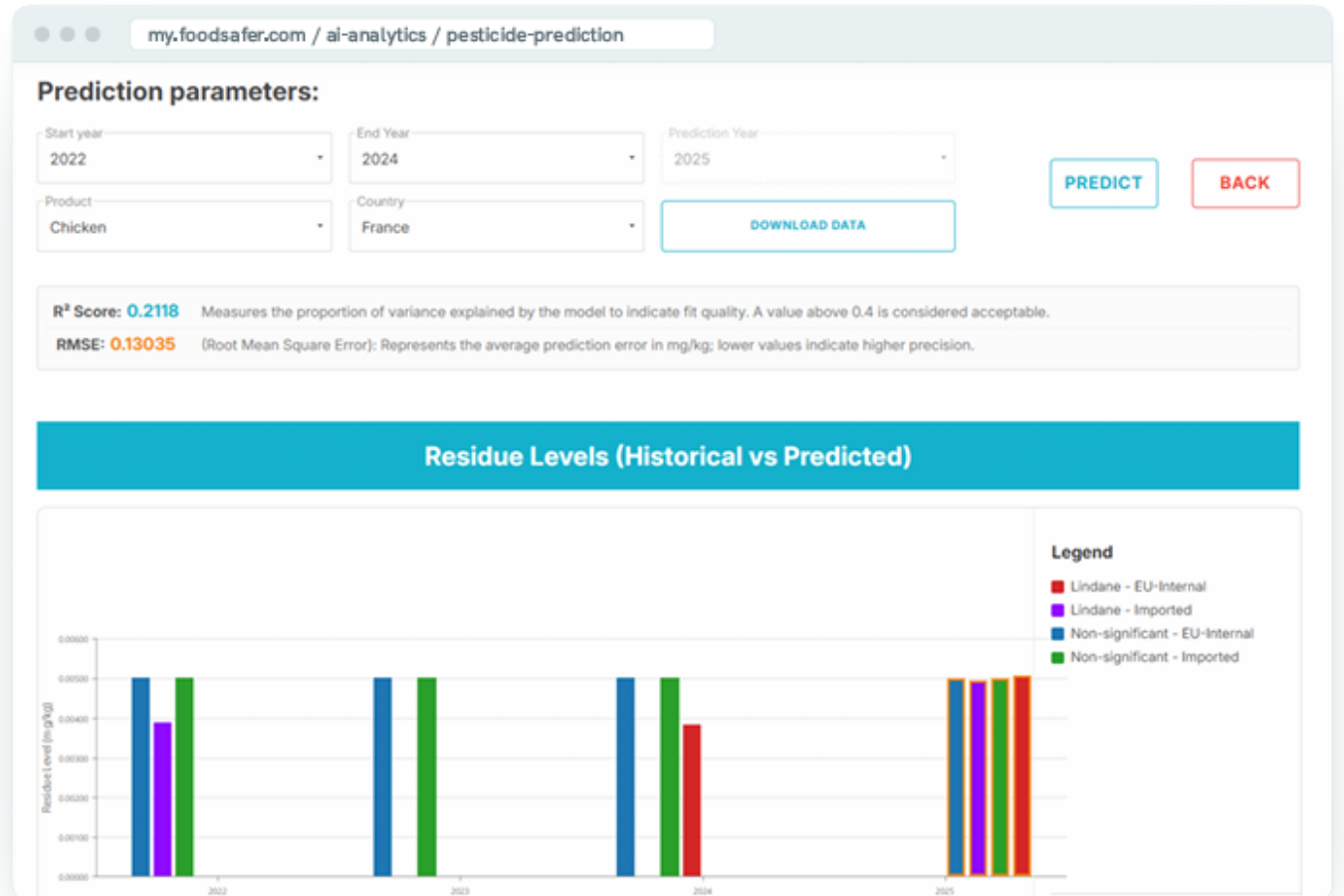
Learns from historical data to project how a hazard or residue is likely to evolve.

## MODEL INTEGRATION

AI models plug in to support predictive assessments — e.g. pesticide-residue levels.

## PROACTIVE DECISIONS

A head start for authorities: act on what is coming, not only on what has happened.



**WHY IT MATTERS** Prediction closes the loop — the earlier the warning, the more room there is to prevent rather than react.

## THE WORK LAYER · KNOWLEDGE & STRUCTURE

my.foodsafer.com / framework

FOODSAFER

Home Framework Toolkit Lifelong Learning Library Community Map Data Lab Workspaces EN

My Framework Global Framework

DRIVERS & TRENDS

Welcome to the Framework

The Framework helps you navigate drivers, trends, and hazards relevant to emerging food safety risks.

Select a Hazard Identification option to view the content available in the application.

Save the information to your Framework and customize your resources.

Social: Consumer Behaviour, Demographic Development, Health and Wellbeing

Technological: Technologies in Food Production, Technologies in Food Processing

Economic: Distribution

Environmental: Management of (natural resources), Climate change

Political: Legislation, Policies & Governance, Geopolitical Instability

HAZARD IDENTIFICATION (EMERGING)

Chemicals: Environmental Pollutant, Process Contaminant, Chemical Contaminant, Intentionally used Chemical, Addition Toxic Chemical, Chemical Biological Source

Microbiological & Parasite: Bacteria, Parasite, Virus, Antimicrobial resistance

Physical Risks: Volcanic ash, Microplastic, Man-made material, Foreign body

Allergens: Allergen

efsa

## EVERYTHING IN ITS RIGHT PLACE



### FRAMEWORK

Navigate drivers, trends & hazards — born in Living Lab 1.



### TOOLKIT & LIBRARY

Curated tools, models and a searchable knowledge base.



### DATA LAB & LEARNING

Open-source databases and targeted training resources.

**WHY IT MATTERS** A shared structure turns scattered knowledge into something you can navigate, reuse and build on.

## FROM SIGNAL TO SOLUTION · THE WORK LAYER

# WHERE EXPERTS WORK TOGETHER

### WORKSPACES

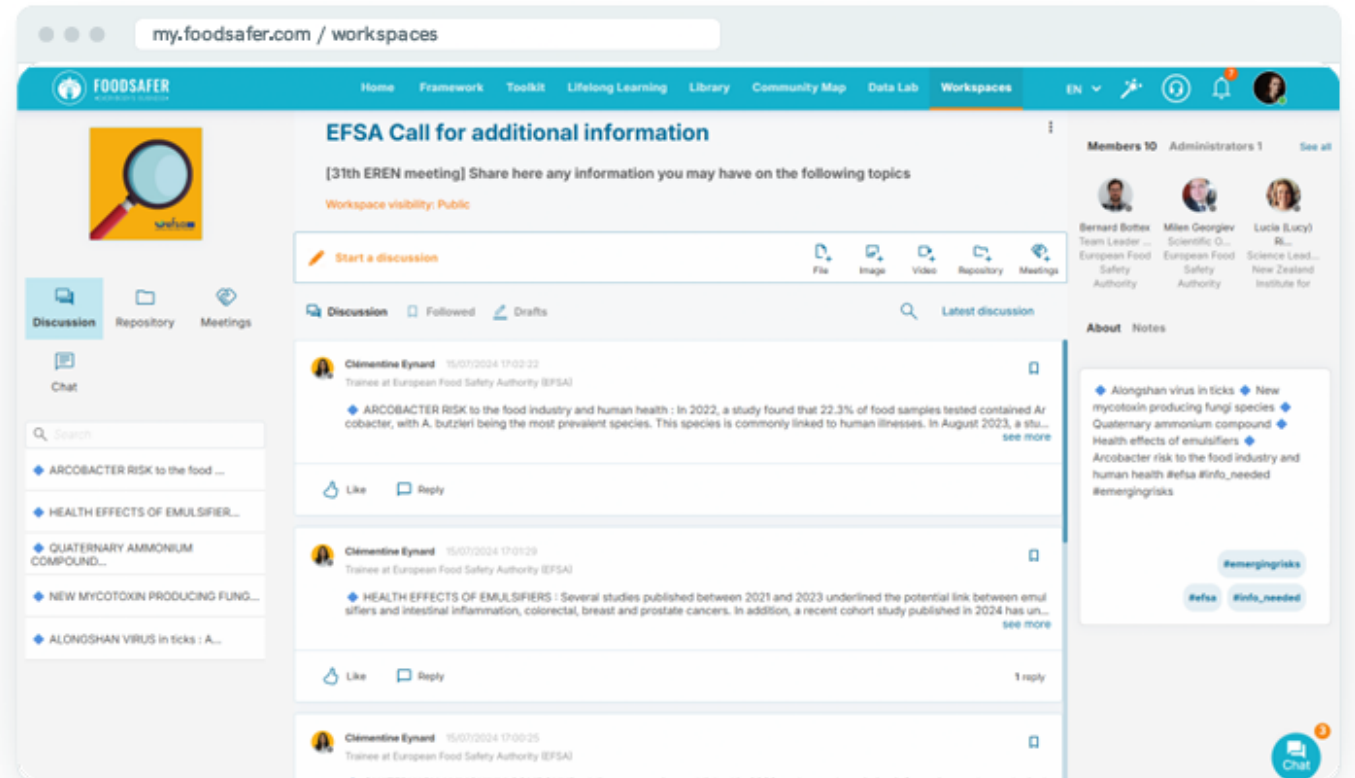
From information-sharing to collaborative problem-solving.

### ALL THE TOOLS IN ONE

Discussion boards, file repository, meetings and chat.

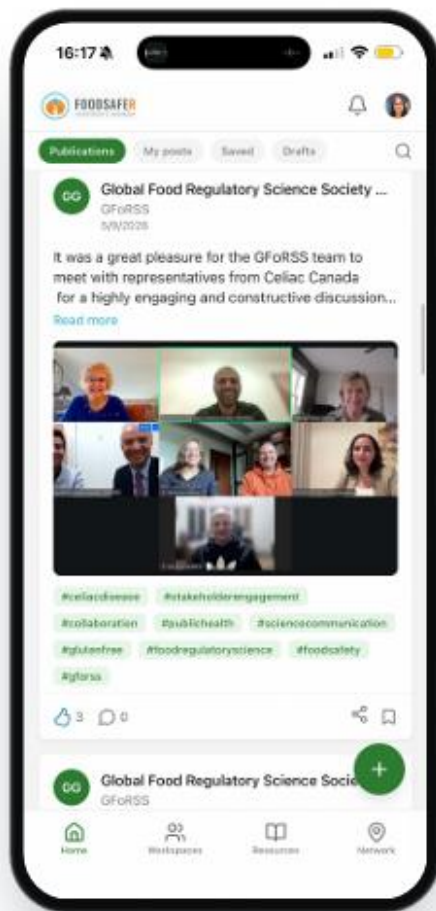
### SMART NOTIFICATIONS

The right awareness reaches the right people in time.

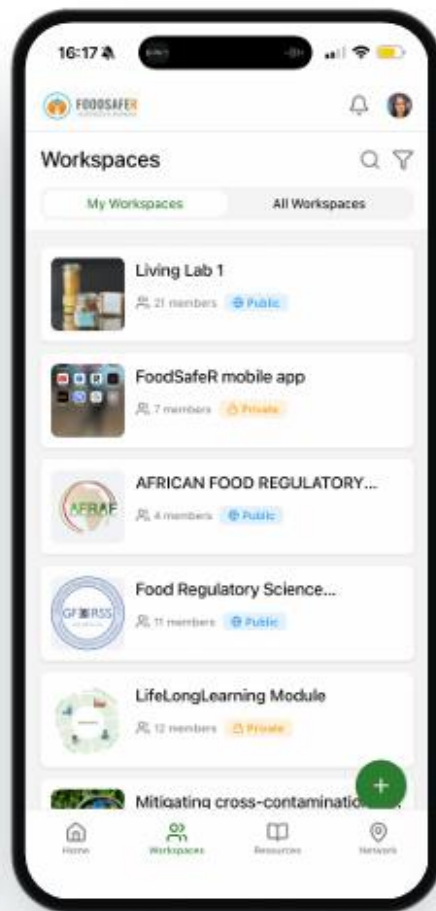


**IN PRACTICE** When a signal amplifies, open a workspace and assess it in depth — together, with the evidence at hand.

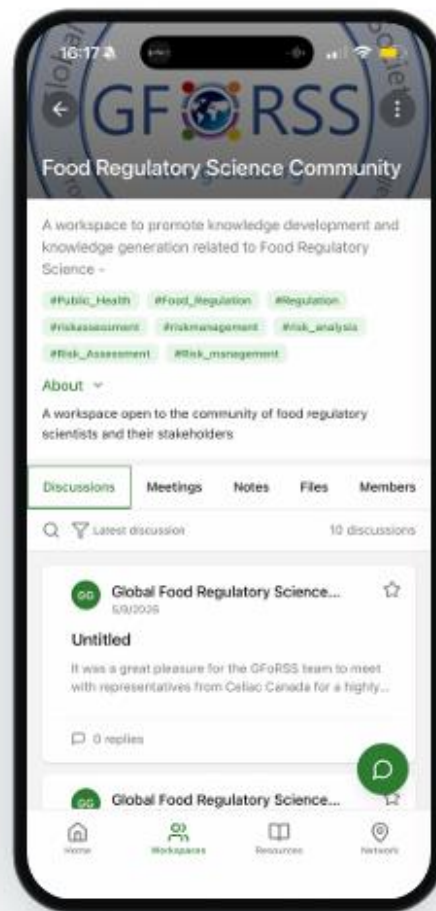
THE FOODSAFER MOBILE APP



HOME



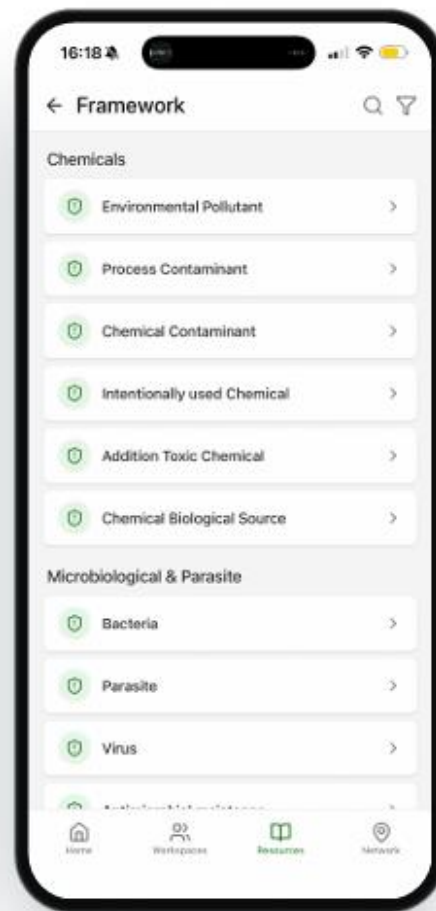
WORKSPACES



INSIDE A WORKSPACE

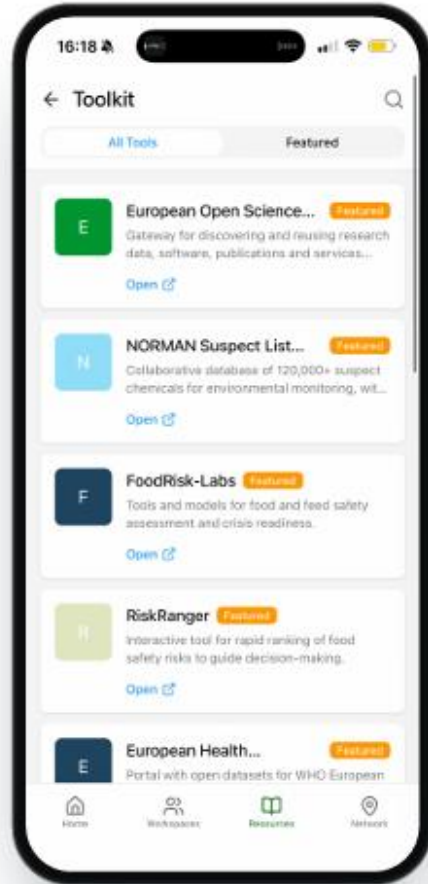


RESOURCES

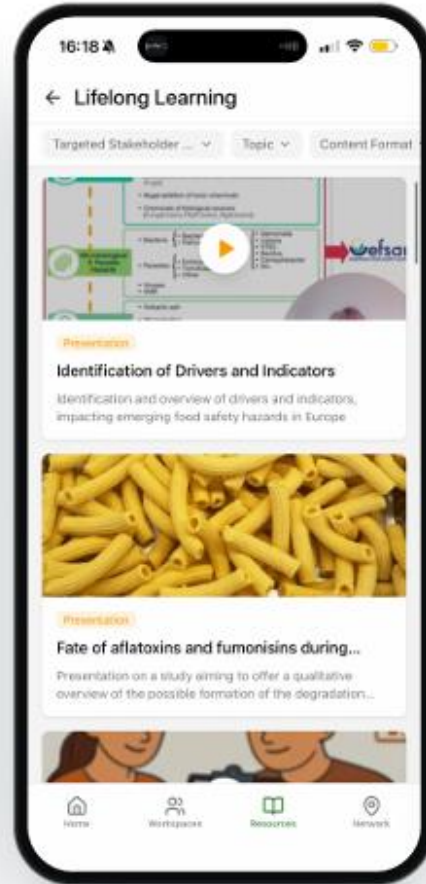


FRAMEWORK

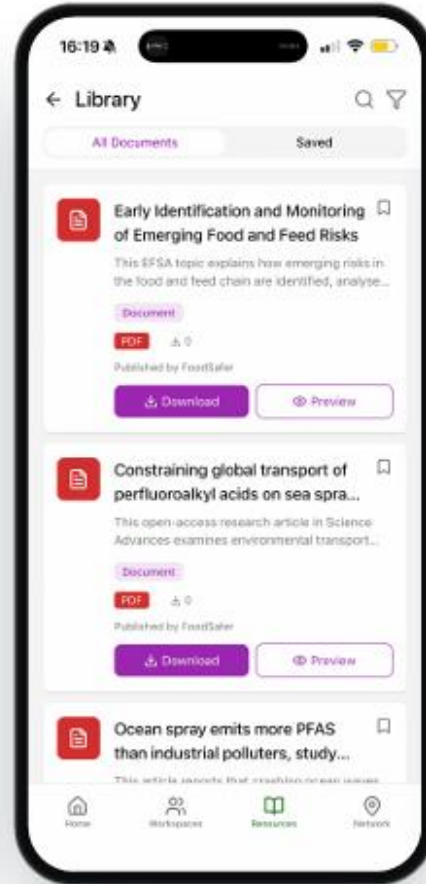
88 THE FOODSAFER MOBILE APP



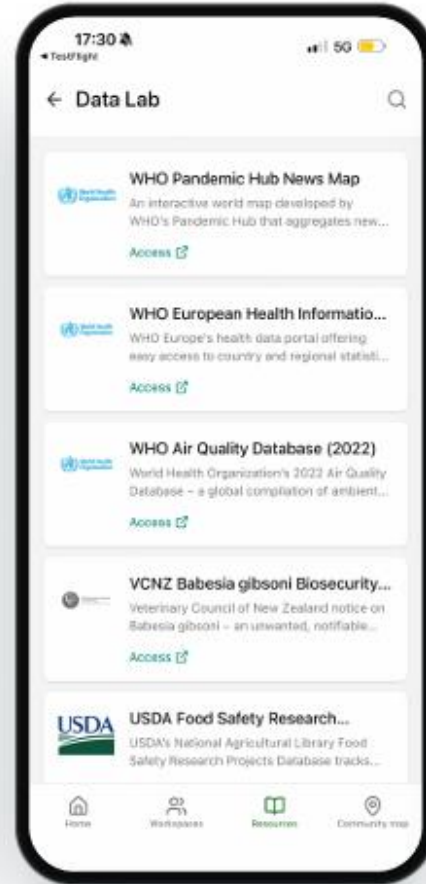
TOOLKIT



LIFELONG LEARNING



LIBRARY



DATA LAB



COMMUNITY MAP

— BE PART OF IT

# JOIN THE COMMUNITY

[my.foodsafer.com](https://my.foodsafer.com)



SCAN TO EXPLORE

Free to join · open to  
food-safety professionals



LIVE DEMO

# NOW — LET'S GO INSIDE

A live walkthrough of the FoodSafeR  
Open Digital Hub.

