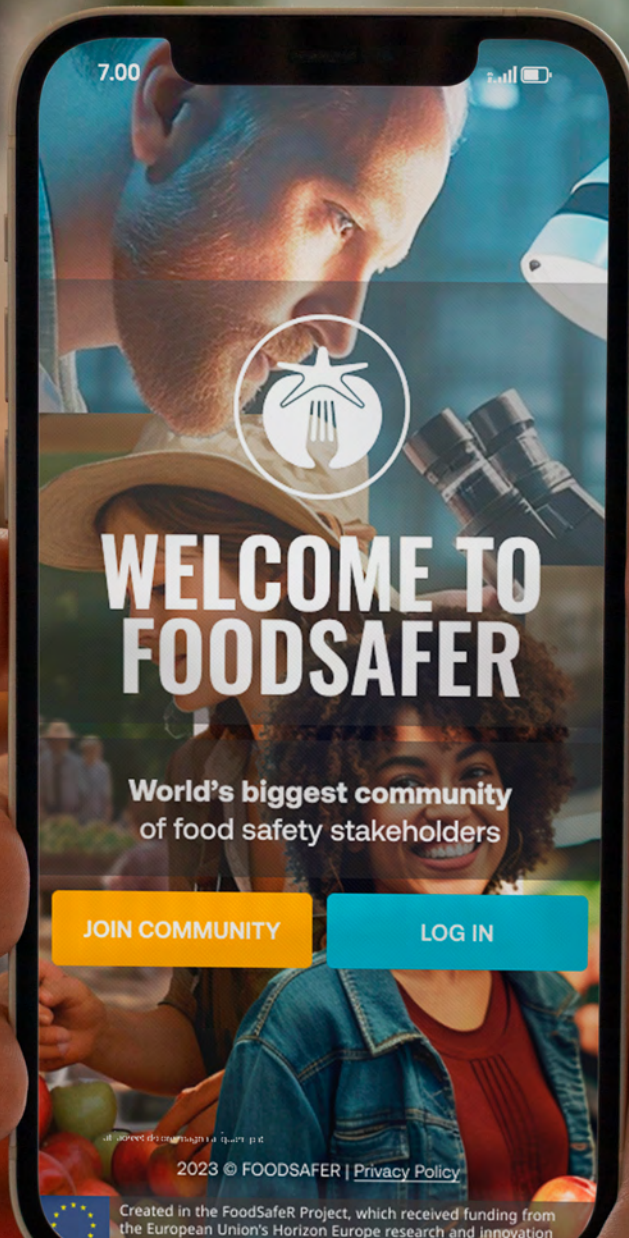




Deliverable 4.3



FOODSAFER

FoodSafeR Smartphone App and Tablet Apps

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Deliverable D4.3 FoodSafeR Smartphone App and Tablet Apps



Work package number and title	WP4: Open Digital Hub
Lead-beneficiary	IRIS Technology Solutions
Work package Leader	IRIS Technology Solutions
Contributors to deliverable	Isay González, Paulina Guajardo, Carlos Urrego, Oonagh Mc Nerney, Colm Digby, Cristina Fernandez
Relevant Task	Task 4.1 Digital Hub: building and deployment
Participants	All participants
Dissemination Level	Public
Due Date (month)	M15- 31 Dec 2023

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Introduction to FoodSafeR and the Open Digital Hub

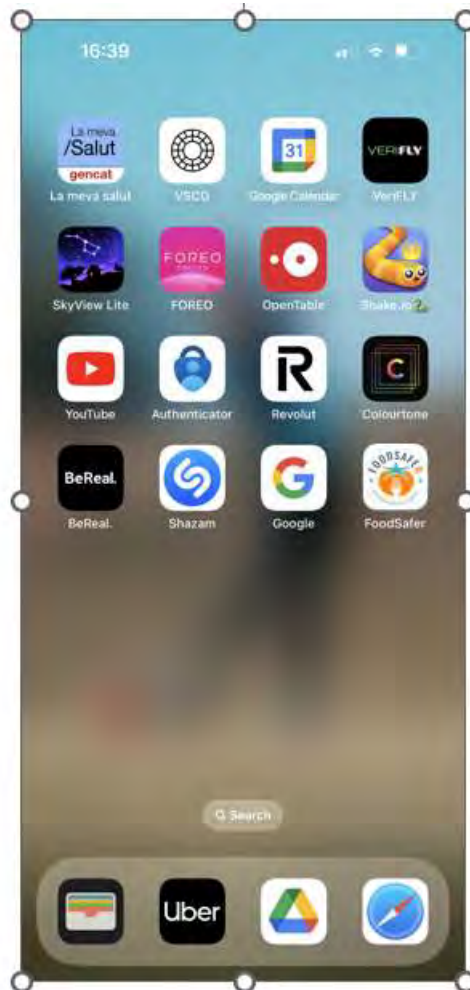
A new set of forward-thinking tools is being developed to assess and manage emerging food safety hazards and associated risks. The FoodSafeR project, funded by the European Commission and launched in October 2022, is advancing innovations in combating microbial and chemical food safety hazards and associated risks over the course of its four-year duration. The project will create an extensive collection of forward-looking frameworks, tools, methods, strategies, models, guidance, and training materials for the identification, assessment, and management of food safety hazards. These resources are being made widely accessible through the FoodSafeR Open Digital Hub, which is in development, and is serving as a key platform for delivering the project outputs.

This web-based application is being designed as a unique professional platform for the stakeholders from the food safety system in Europe and beyond: (Scientific community, Risk assessors and managers from Government/Food competent authorities, Food business operators, start-ups, social actors in the Food System, and Consumer organisations). The Open Digital Hub aims to connect these stakeholders, facilitate knowledge and information sharing, provide them with access to data, technology, and tools, and with virtual workspaces so that they can collaborate better.



Smartphone and Tablet Apps

As part of the work being performed in the FoodSafeR project, Smartphone App and Tablet Apps have been designed for enhanced User Experience (UX), mobile use & interface flexibility for users.



Our methodology is based on a **responsive design approach**, whereby as part of the web design and development we are aiming to ensure a seamless and optimal user experience across a variety of devices and screen sizes. The goal is to create a FoodSafeR application that can adapt and respond to the characteristics of the device on which it is being viewed, such as desktop monitors, laptops, tablets, and smartphones.

The key principles and techniques of behind this responsive design include:

- **Fluid Grids:** Instead of fixed-width layouts, responsive designs use relative units such as percentages for widths. This allows the layout to adapt to different screen sizes.

- **Flexible Images:** Images are set to be scalable within their containing elements so that they don't overflow or become distorted on different devices.
- **Media Queries:** CSS3 media queries are used to apply different styles or rules based on the characteristics of the device, such as its screen width, height, or orientation.
- **Viewport Meta Tag:** The viewport meta tag is used to control the width and scaling of the viewport, helping to ensure that the content is displayed appropriately on various devices.
- **Progressive Enhancement:** This approach involves starting with a basic, universally accessible version of a website and then progressively enhancing it for users with more advanced capabilities or larger screens.

By implementing the FoodSafeR platform based on responsive design, we can provide a consistent and user-friendly experience, regardless of the device being used.

Responsive design has been chosen as our preferred approach as, not only is it resource efficient- as it allows us to maintain a single codebase that adapts to various devices- importantly for a large platform that is under continuous development, it is the optimal approach as changes and updates can be implemented more quickly across all platforms with a responsive design.

In the Annex to this document, we provide selected design screens that have been prepared to data, based on the current status of the FoodSafeR Open Digital Hub, and these will be continually extended in pace with the development of the platform over the course of the project.

ANNEX- Design Screens Smartphone and Tablet



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**World's biggest community
of food safety stakeholders**

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Created in the FoodSafeR Project, which received funding from the European Union's Horizon Europe research and innovation programme under Grant Agreement No. 101060698





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Oonagh McNerney

30/08/2023 - 04:54:55

Director at Iris Technology Solutions S.L

We are setting up this Workspace to facilitate the setting up and running of the LL2 with Food Safety Authority Representatives. The roll out will be: testing internally with IRIS team, opening out to the teams at FSAI, NEHIB, GFSR and Andersen Consulting ... [see more](#)



#microbes

#outbrake

#pathogens

#safety



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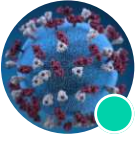
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Member **29**

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30/08/2023 - 04:54:55

Food transmitted viruses

John Calvo started a **discussion** "It's "



30/08/2023 - 04:54:55

Research - New Illnesses

Dora Allmond started a **discussion** " "



30/08/2023 - 04:54:55

Ecological Methods

CJ Brown started a **discussion** " Perf "



30/08/2023 - 04:54:55

Fish and Viruses

Julia J May started a **discussion** " ... "



30/08/2023 - 04:54:55

Food transmitted viruses

John Calvo started a **discussion** "It's "



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Ecological Methods



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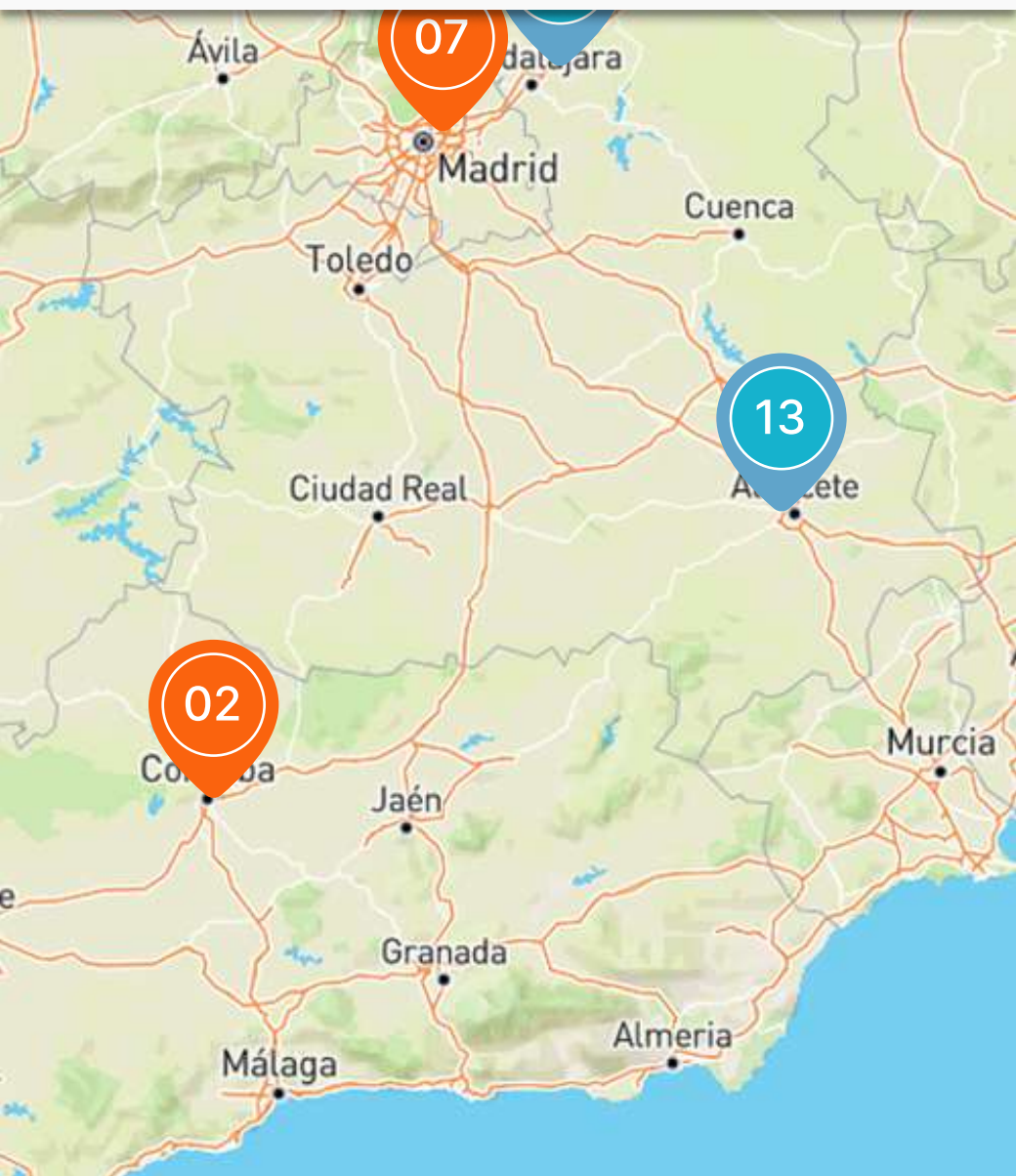
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Manufacture and integration of photonics and AI solutions

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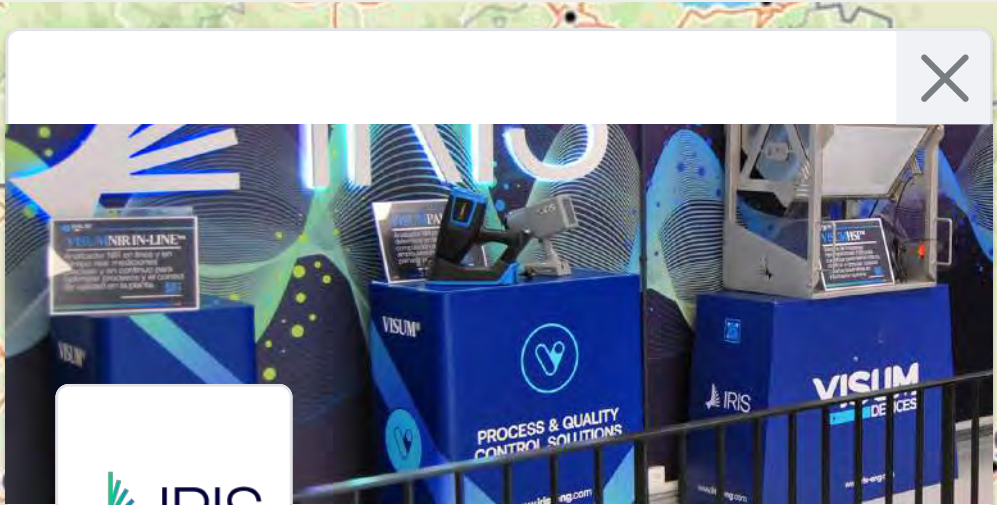
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Business Developer

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Chemical



Microbiological & Parasite



Physical Risks



Allergens





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Health and Wellbeing



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HAZARD IDENTIFICATION



Chemical



Environmental Pollutants

Process Contaminants

Other Chemical Contaminants

Intentionally used Chemicals
& their Residues

Illegal Addition of Toxic Chemicals

Chemicals of Biological Sources



Microbiological & Parasite



Physical Risks



Allergens





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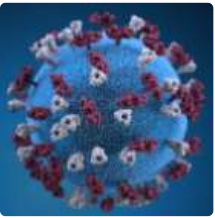
← Chemicals of Biological Sources



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Food transmitted viruses

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#microbes

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Research - new illnesses



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A groundbreaking proactive and holistic food safety management system with a key focus on emerging hazards and associated risks.

This scalable Toolkit consists of future-oriented frameworks, tools, models, guidance, methods, strategies, and training materials.

It is currently under development. As a tool comes online, it will be activated and accessible by clicking on the corresponding icon below.

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FoodTechAPP

Ground-breaking holistic and proactive risk-benefit and cost-benefit assessment framework



Smartphone tool

Smartphone-based tools for the determination of plant and fungal toxins



Risk Management

Future-proof toolkit for proactive risk management systems.



Detection Tool

Future-oriented detection devices

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Food System

Knowledge of drivers and key factors for food safety risk emergence in the food system



Food Network

Map of risks of alternative supply chains & food networks vs. convention chains



Virus in Food

Understanding of persistence of viruses in food chains



Risk Strategies

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Learning Material

Lifelong learning material for curricula and educated consumers



Food Safety Management

Training module on the aspects of early identification of emerging food safety ... [see more](#)



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Chemicals of Biological Sources



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Living Lab01

Consortium & Advisory Board Digital Hub

Lorem ipsum dolor sit amet, consectetur adipiscing ...[see more](#)



Living Lab02

Cocreation with Food Safety Authorities, Risk Assessors & Risk Managers

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Welcome to the **FoodSafer Toolkit**

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Smartphone tool

Smartphone-based tools for the determination of plant and fungal toxins



Risk Management

Future-proof toolkit for proactive risk management systems.



Detection Tool

Future-oriented detection devices & tools for combating key emerging contaminants in view of



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Knowledge of drivers and key factors for food safety risk emergence in the food system



Food Network

Map of risks of alternative supply chains & food networks vs. convention chains



Virus in Food

Understanding of persistence of viruses in food chains



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Knowledge into the risk of emerging ABR traits for defining



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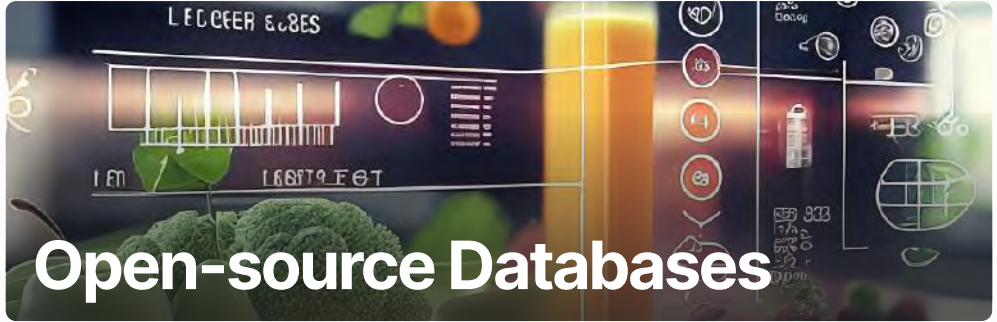
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Training module on the aspects of early identification of emerging food safety ... [see more](#)



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FoodSafeR is connected with relevant open sourcedata sources to facilitate data access.



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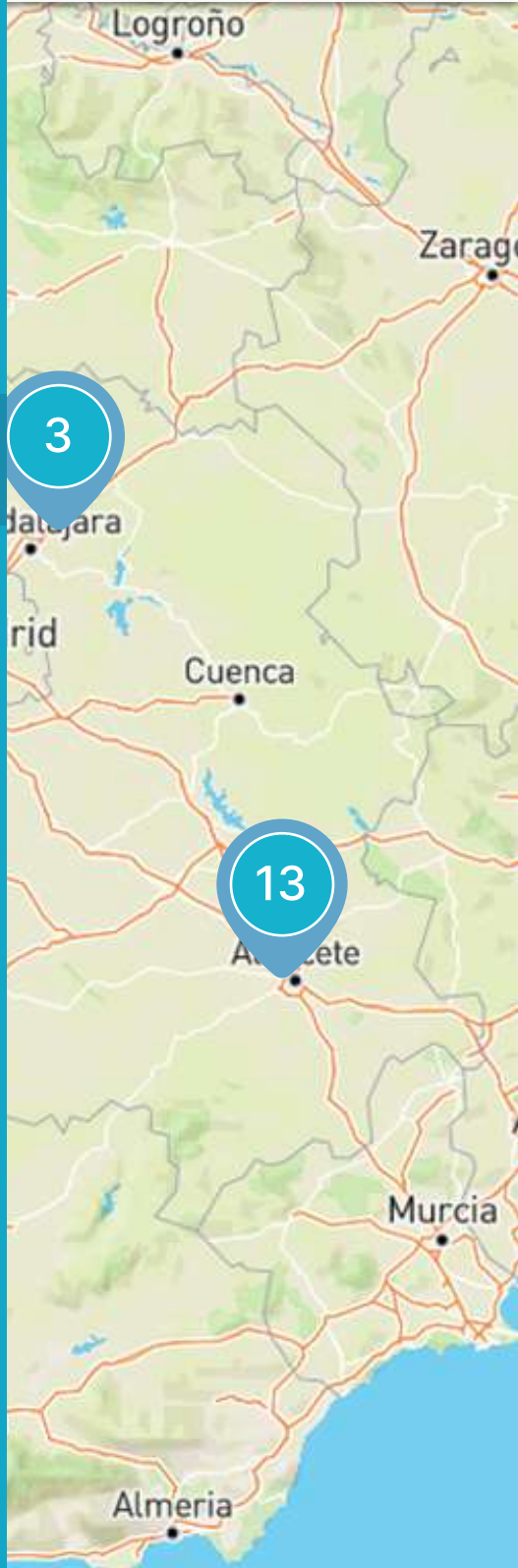
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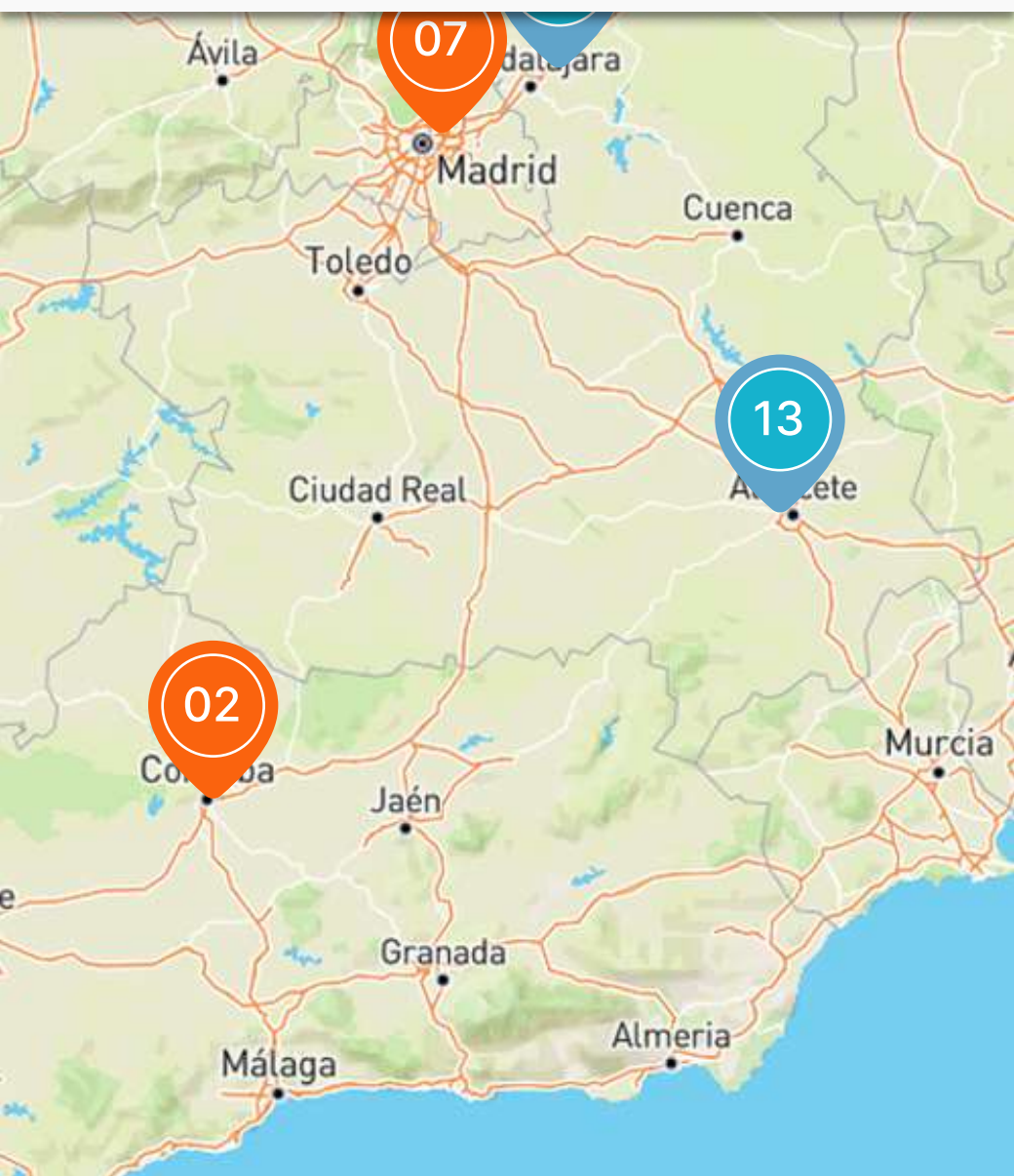
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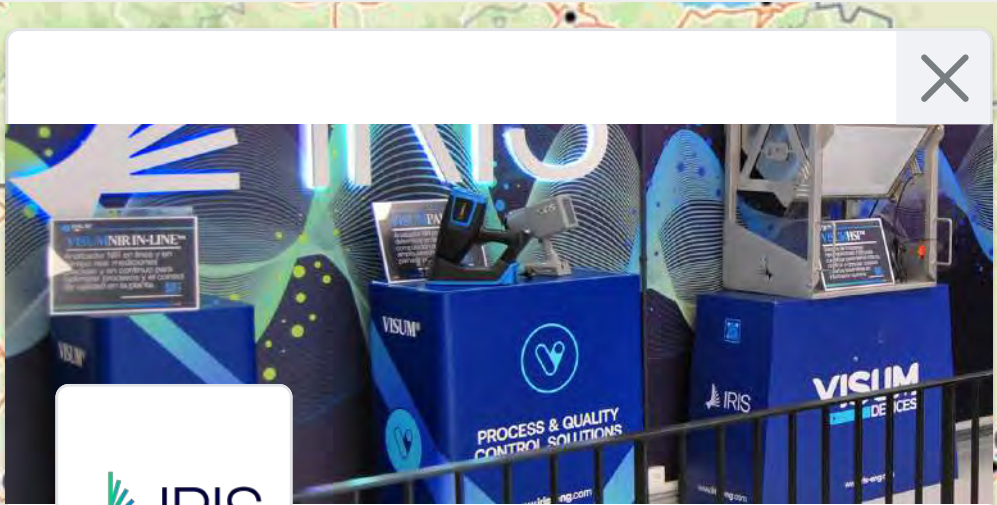


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Business Developer

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Sam J. Ecclestone



Risk Manager

Health, Hygiene and Food Safety. Veterinary Science. MBA Executiv...

[#pathogens](#)

[#safety](#)

[#microbes](#)

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Emmanuel M. Rodriguez-Hernandez



Food Safety Authorities

Dedicated Food Safety Inspector ensuring quality control and safet...

[#prevention](#)

[#slow-cook](#)

[#microbes](#)

Monica Faulkner



Quality Manager

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[#slow-cook](#)

[#microbes](#)

Emma Brown



Quality Manager

Committed to protecting



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Environmental



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Microbiological & Parasite



Physical Risks



Allergens





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Consumer Behaviour

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Technologies in Food Production

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Process Contaminants

Other Chemical Contaminants

Intentionally used Chemicals
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Illegal Addition of Toxic Chemicals

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Microbiological & Parasite



Physical Risks



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consectetur adipiscing ...[see more](#)



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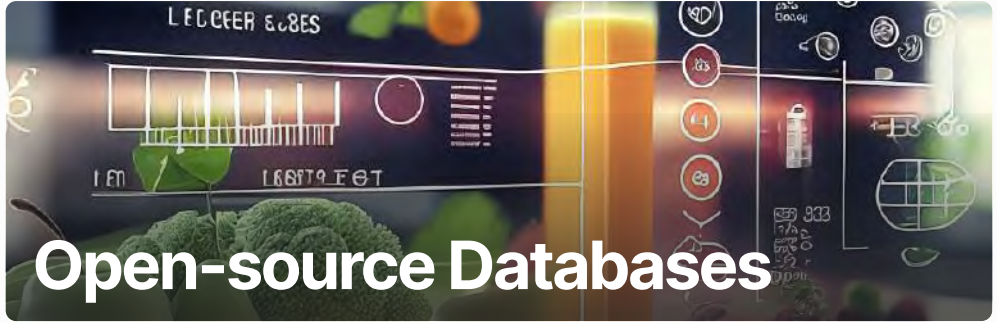
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Transmitted viruses

#microbes

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... - new illnesses

#pathogens

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... al methods

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Enter

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Research - new illnesses

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Ecological methods

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Fish and Viruses

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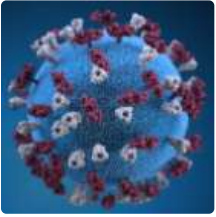


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Food transmitted viruses

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#codesign



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Fish and Viruses

#usercentric

#pathogens

#codesign



Enter



Food transmitted viruses

Protect public health by developing effective interventions to reduce the incidence of foodborne hazards

- Discussion
- Repository
- Meetings



Oonagh McNerney



30/08/2023 - 04:54:55

Director at Iris Technology Solutions S.L

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← **REPLY**

Replies **1** 2

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File



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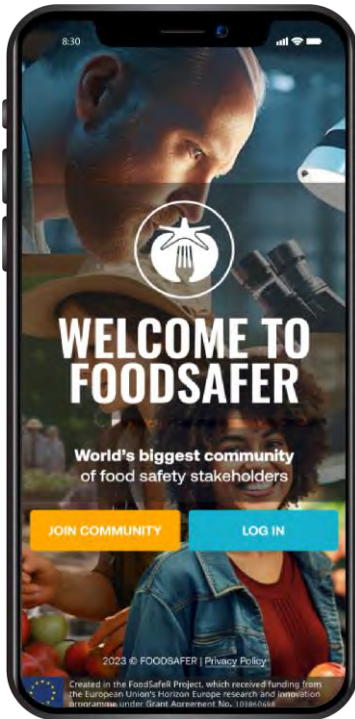


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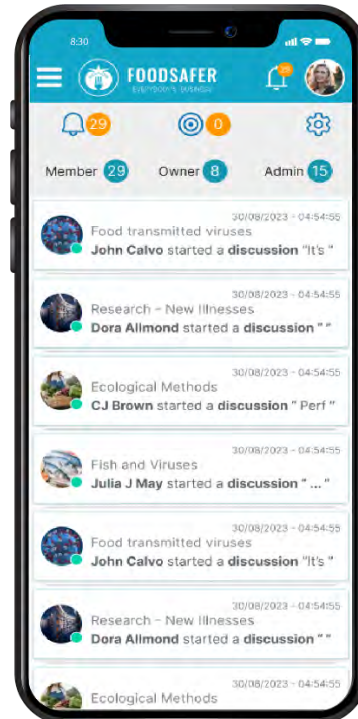
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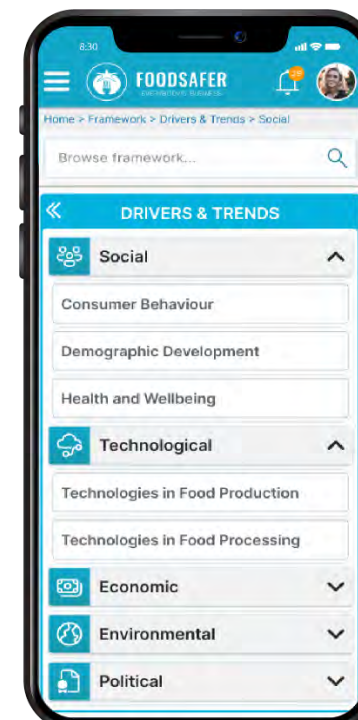
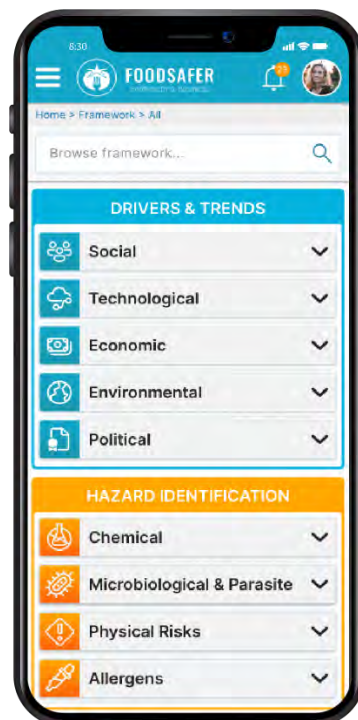
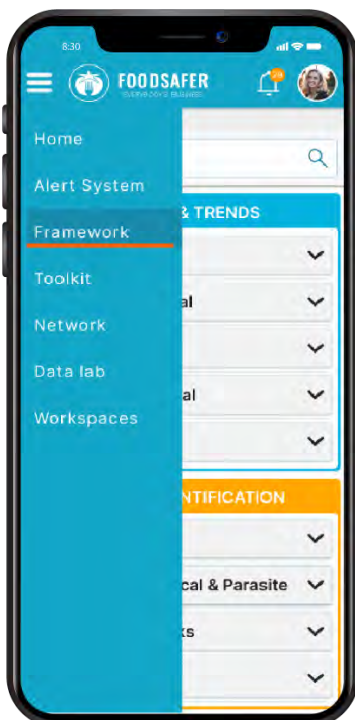
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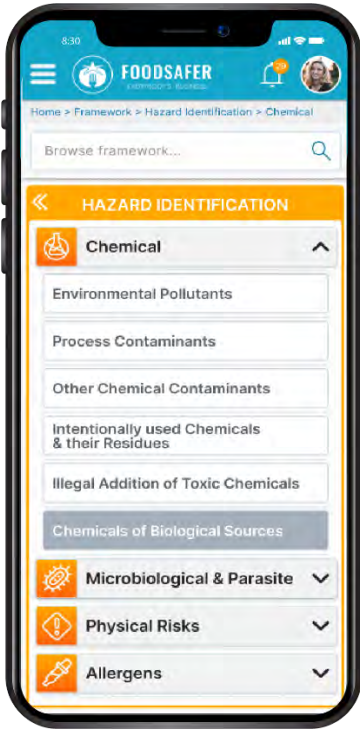


Notifications:

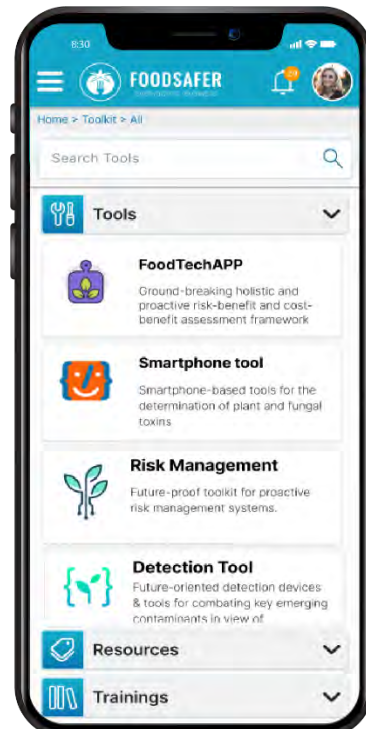


2. FRAMEWORK



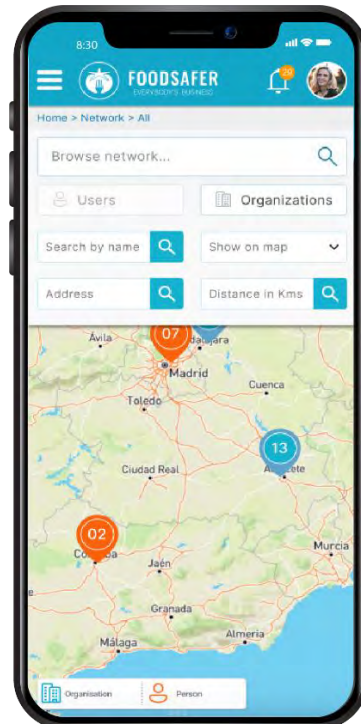
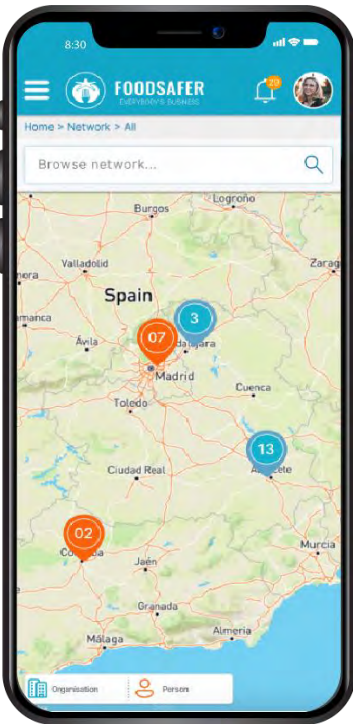
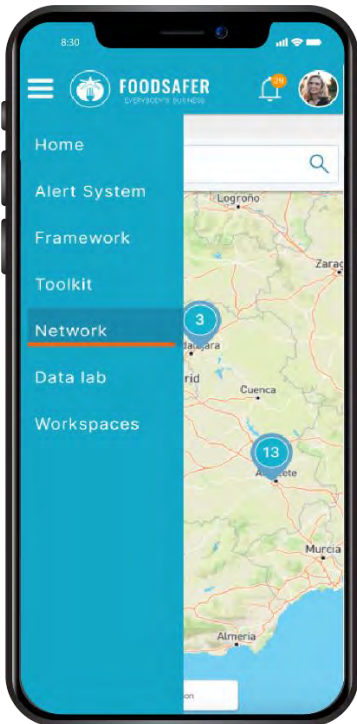


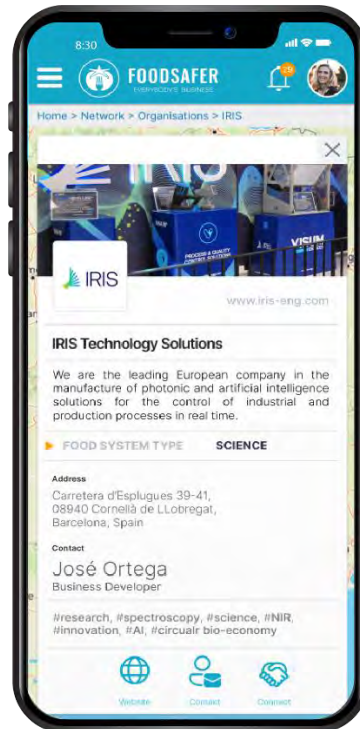
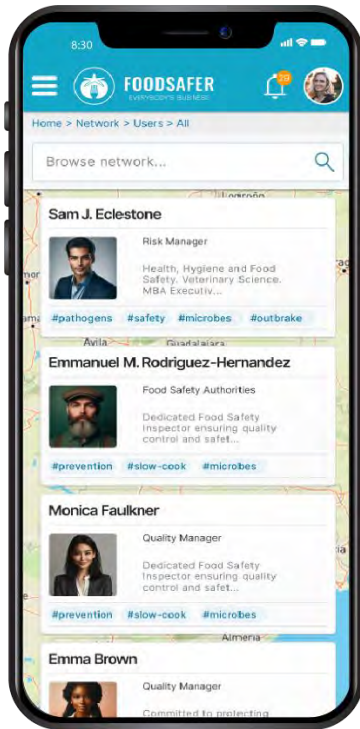
3. TOOLKIT



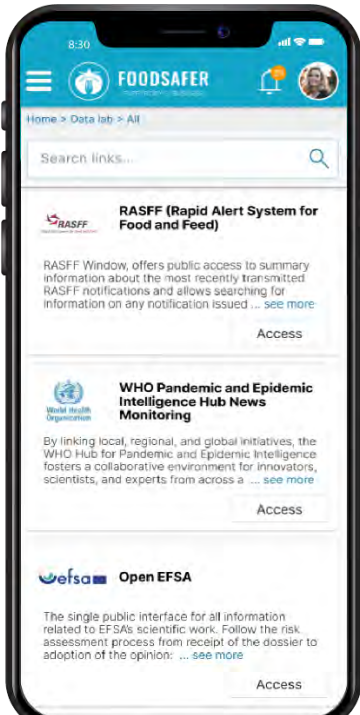
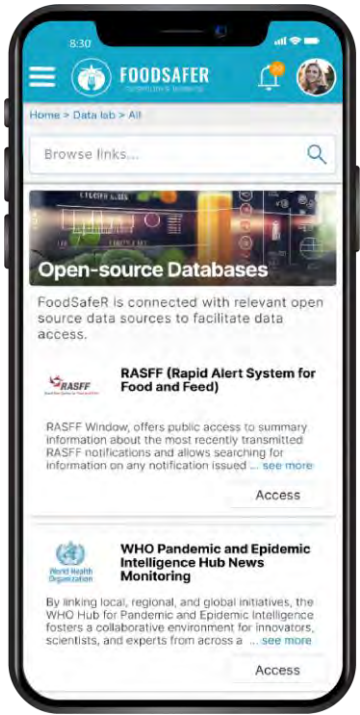
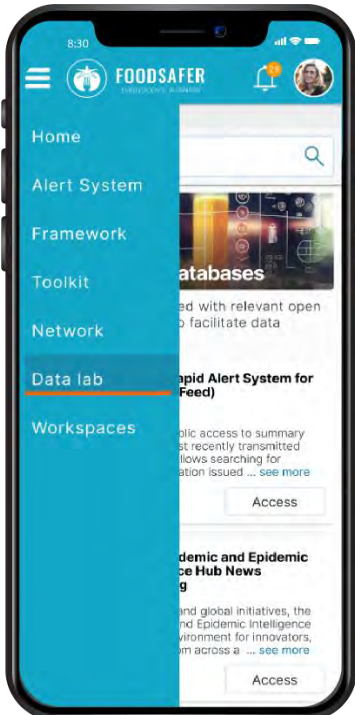


4. NETWORK

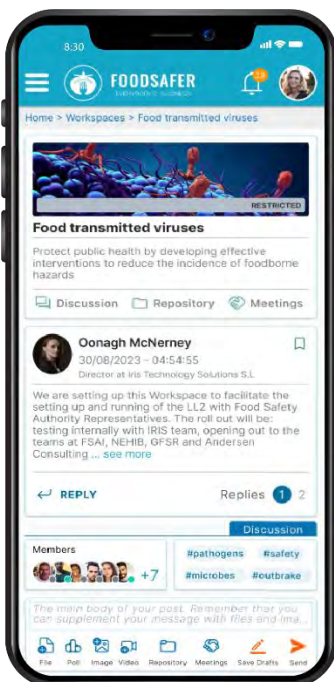
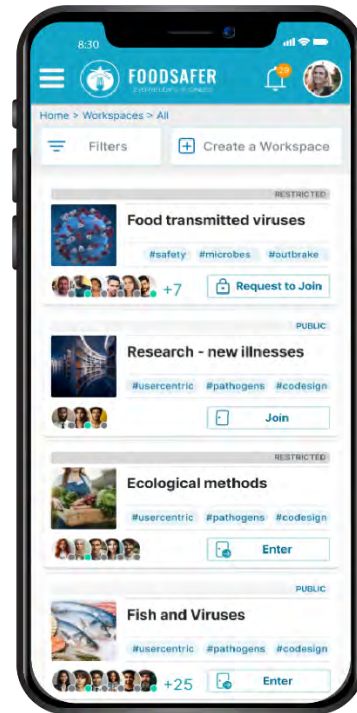
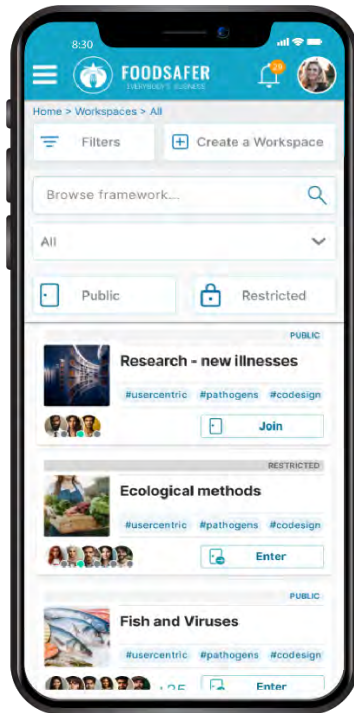
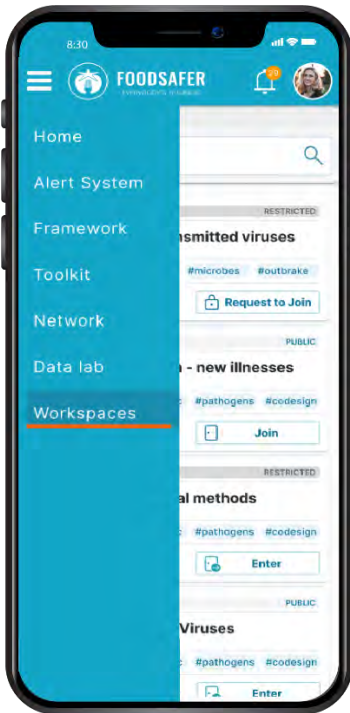




5. DATA LAB

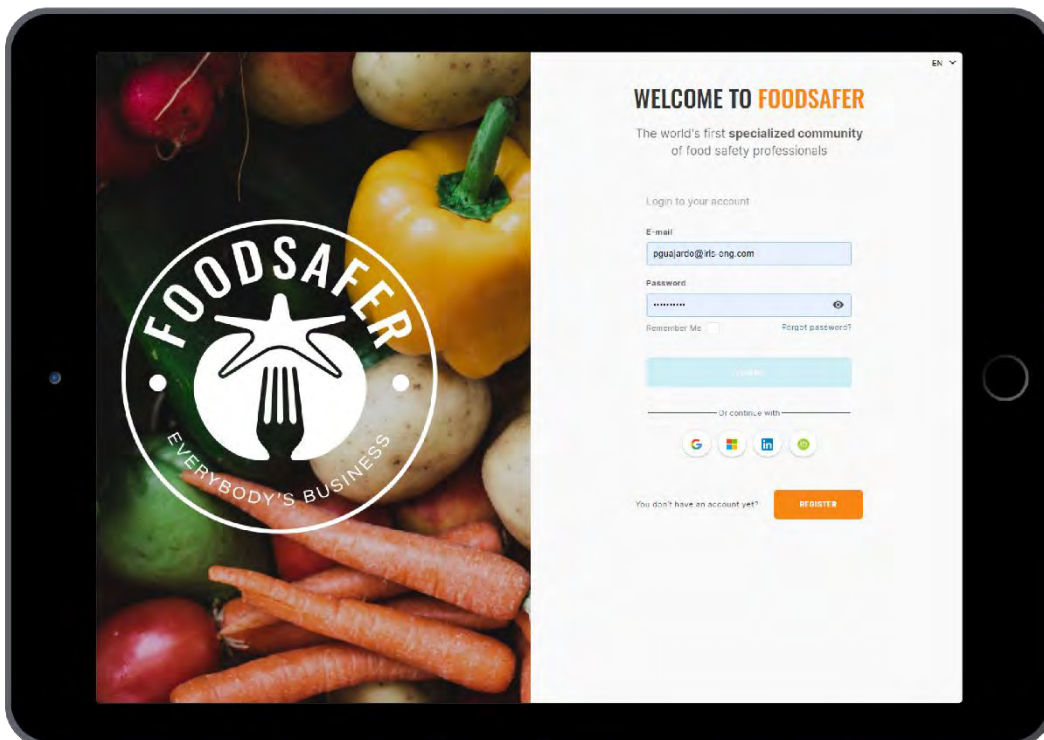


6. WORKSPACES



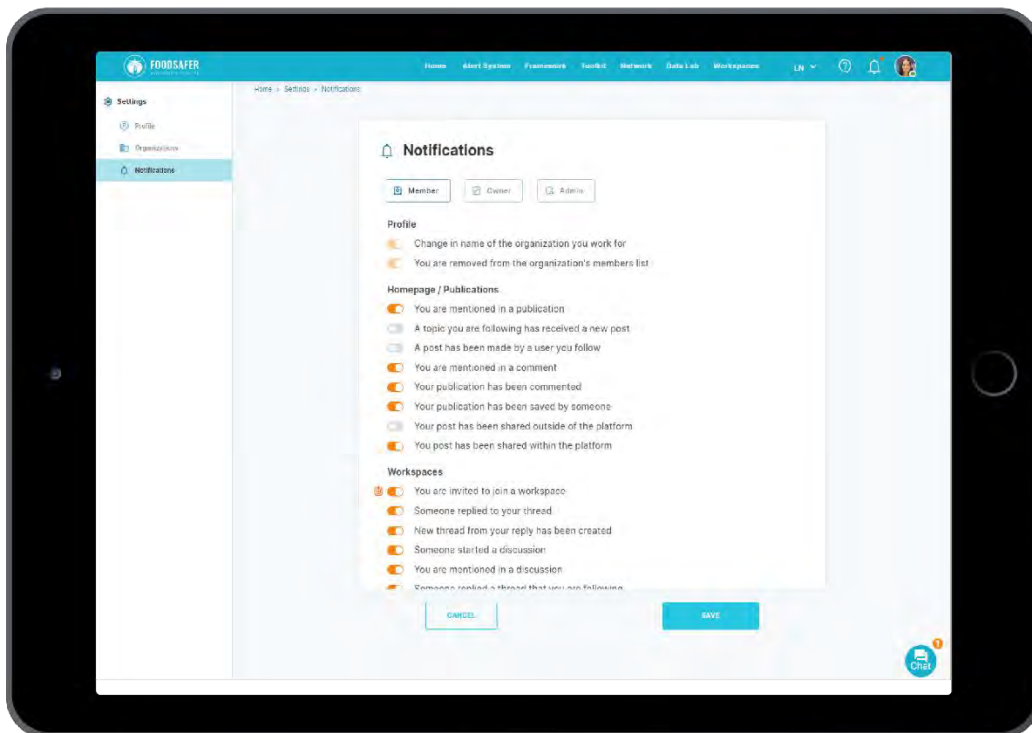
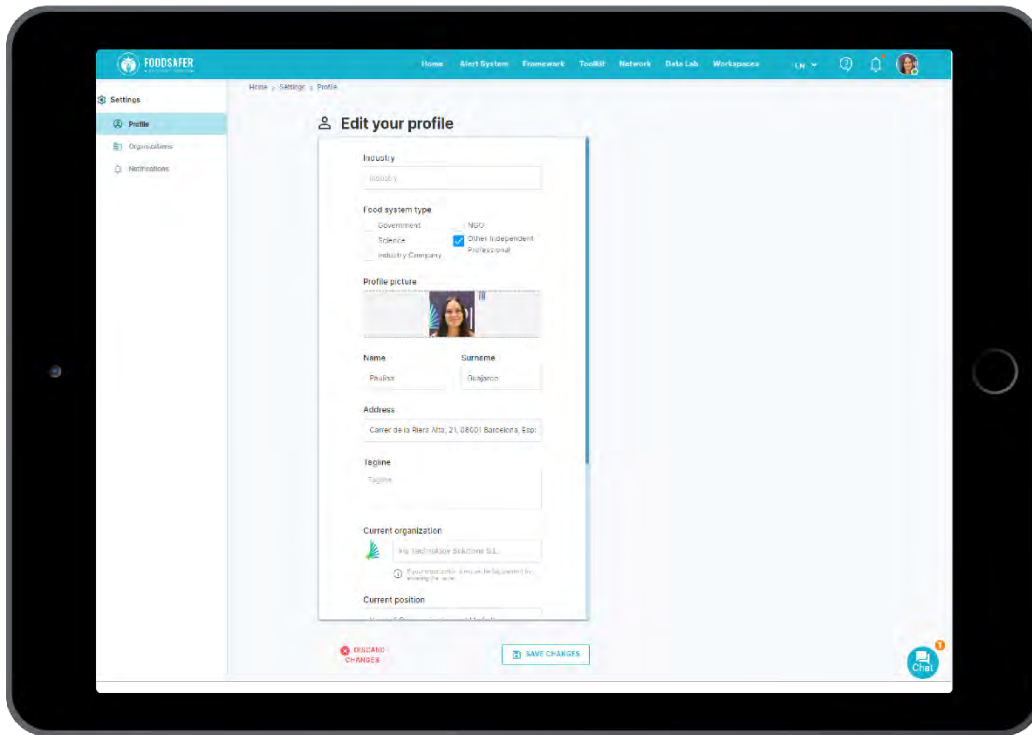
Tablet version platform

1. LOGIN

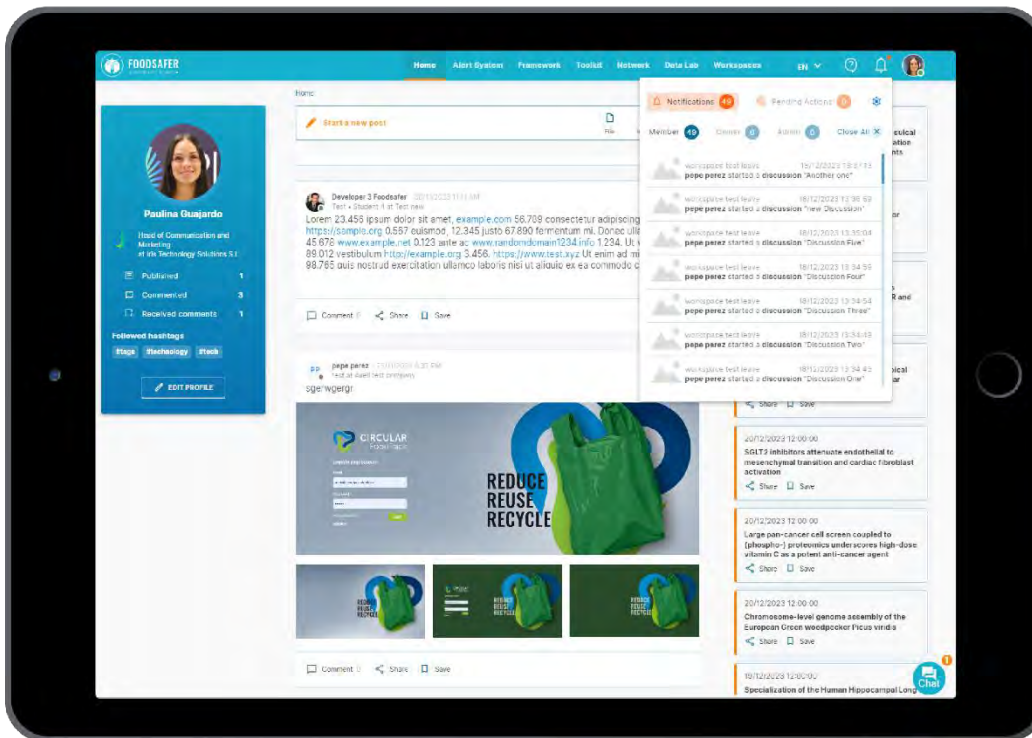
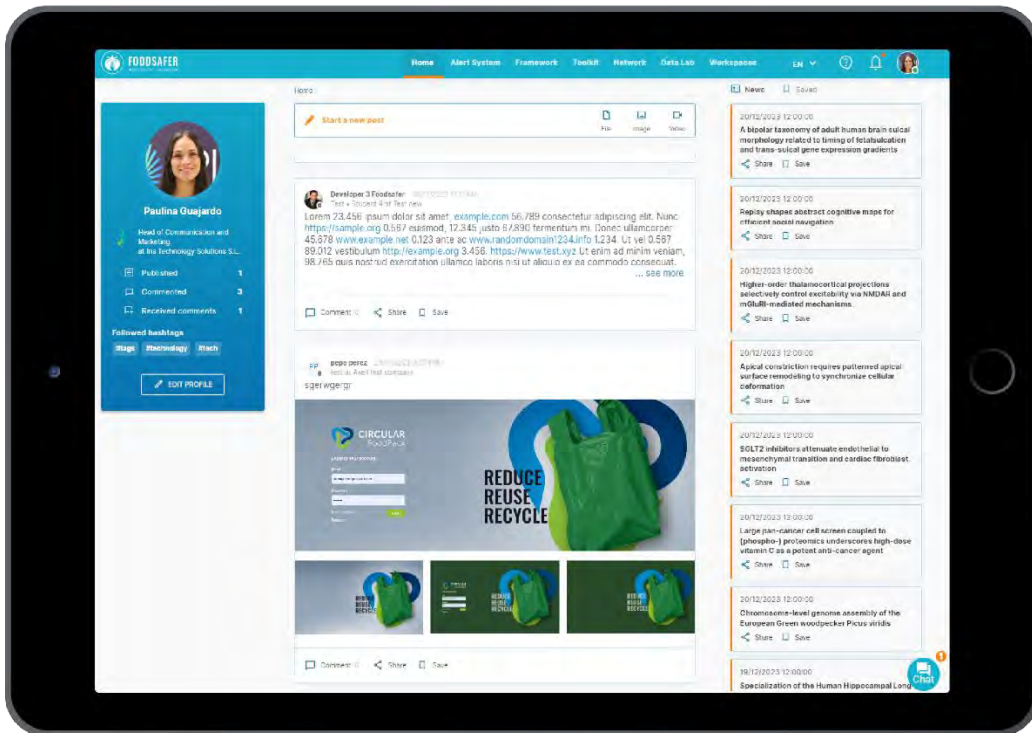


2. HOME

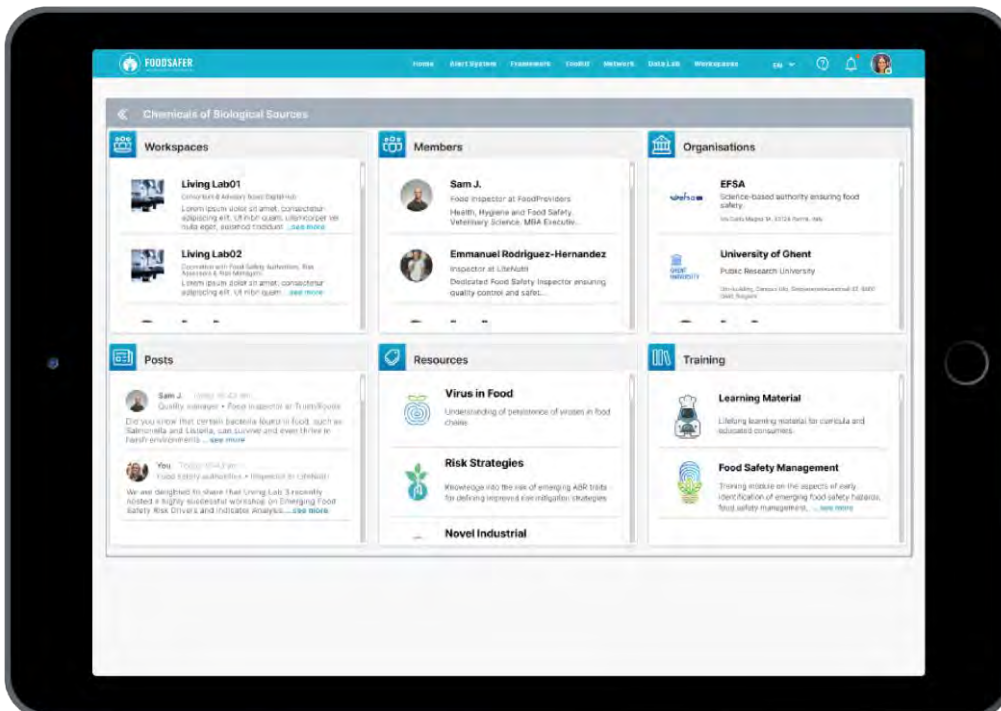
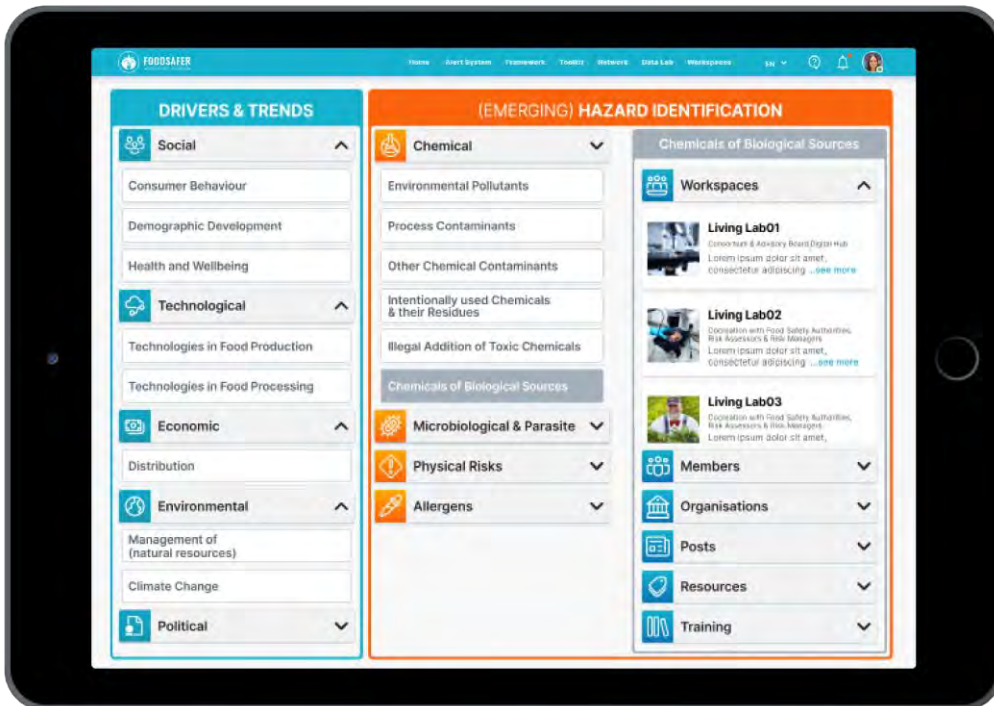
Profile:



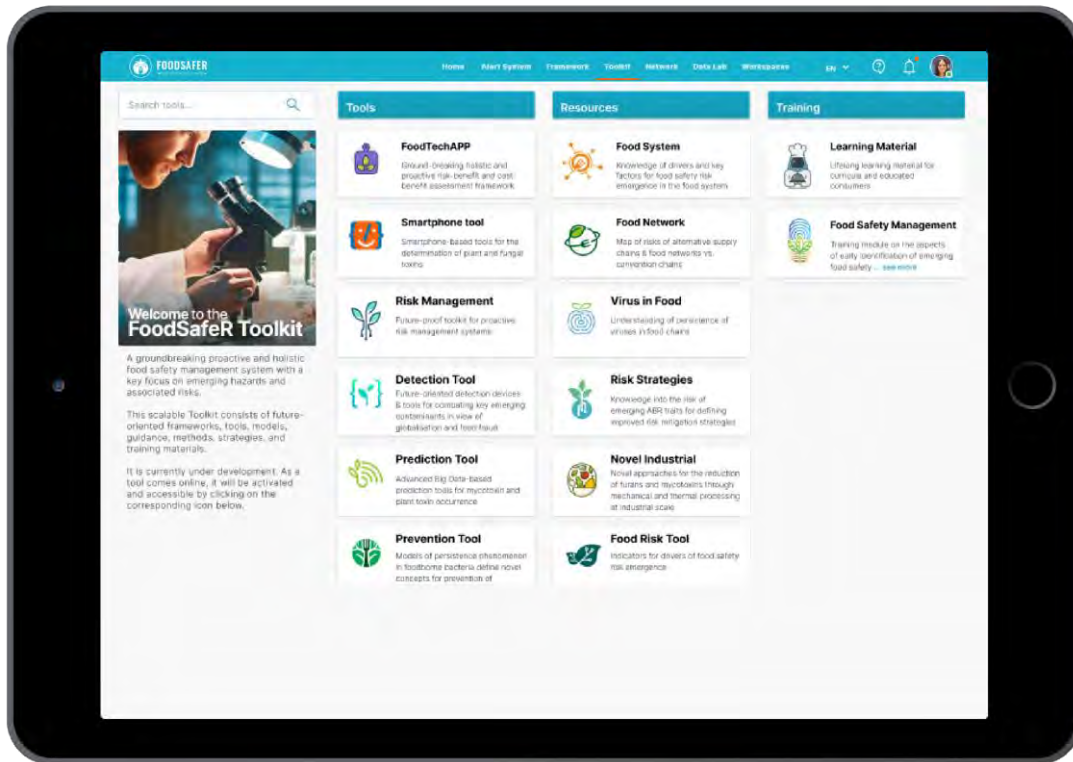
Home:



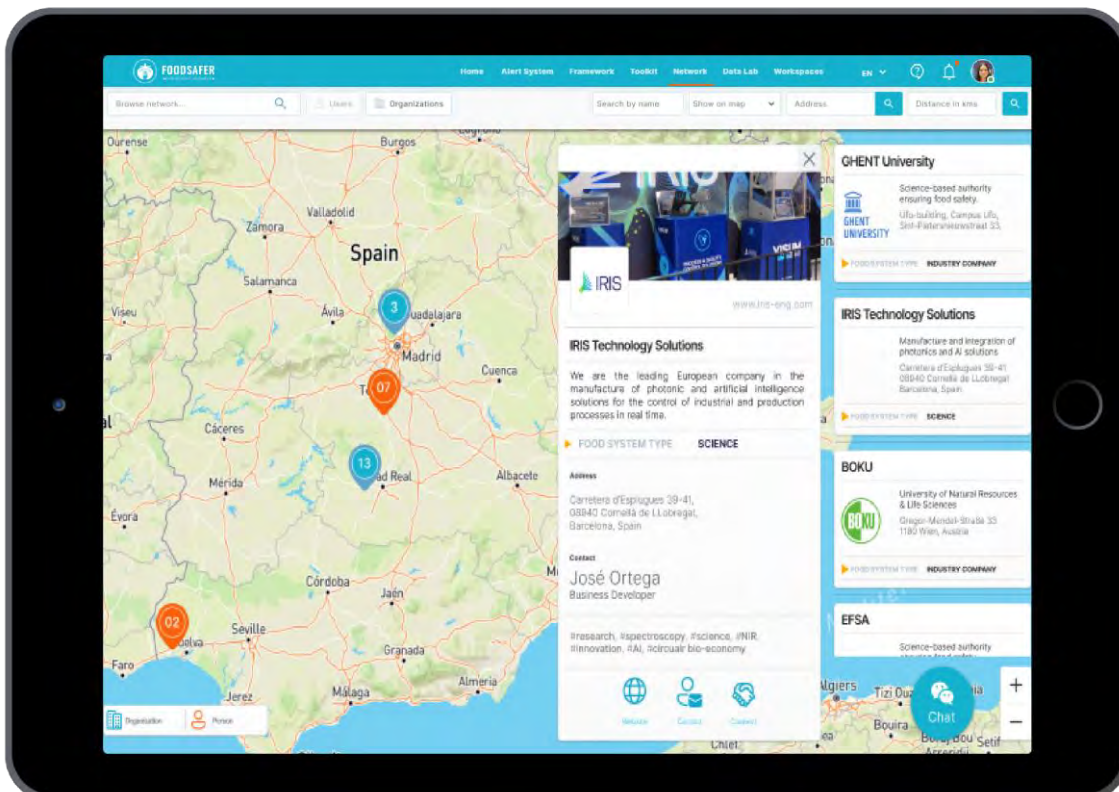
3. FRAMEWORK

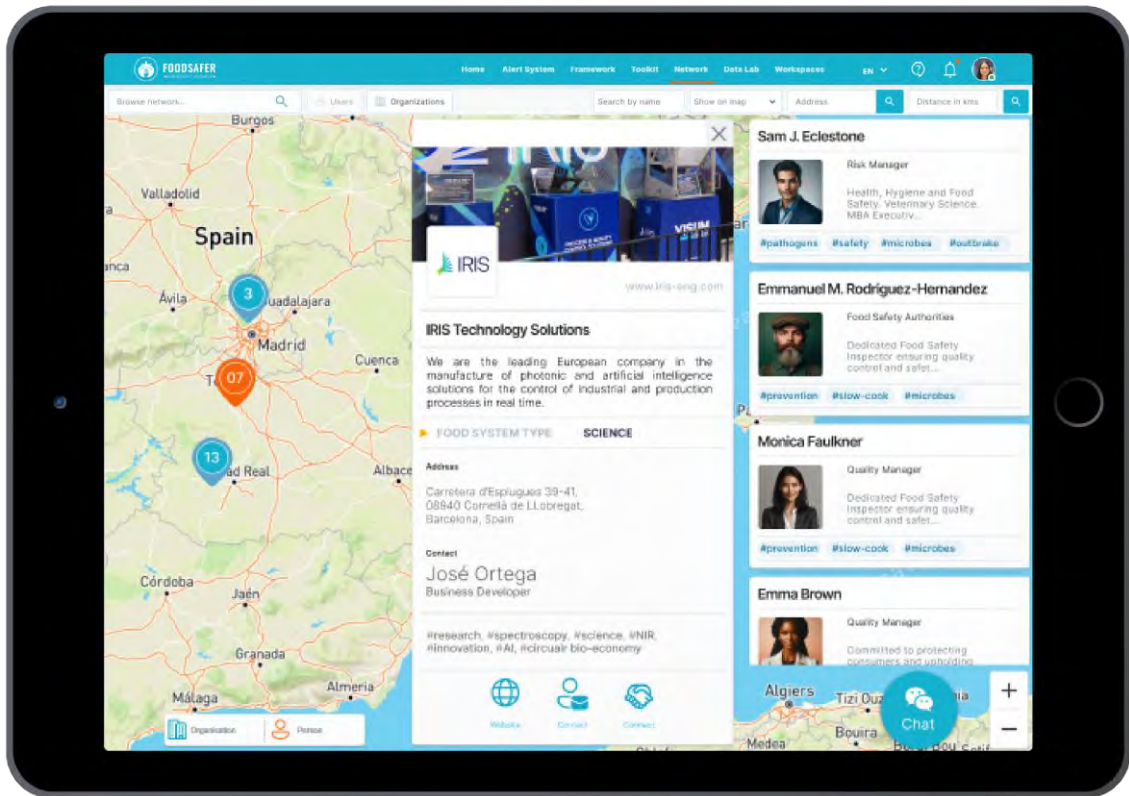


4. TOOLKIT

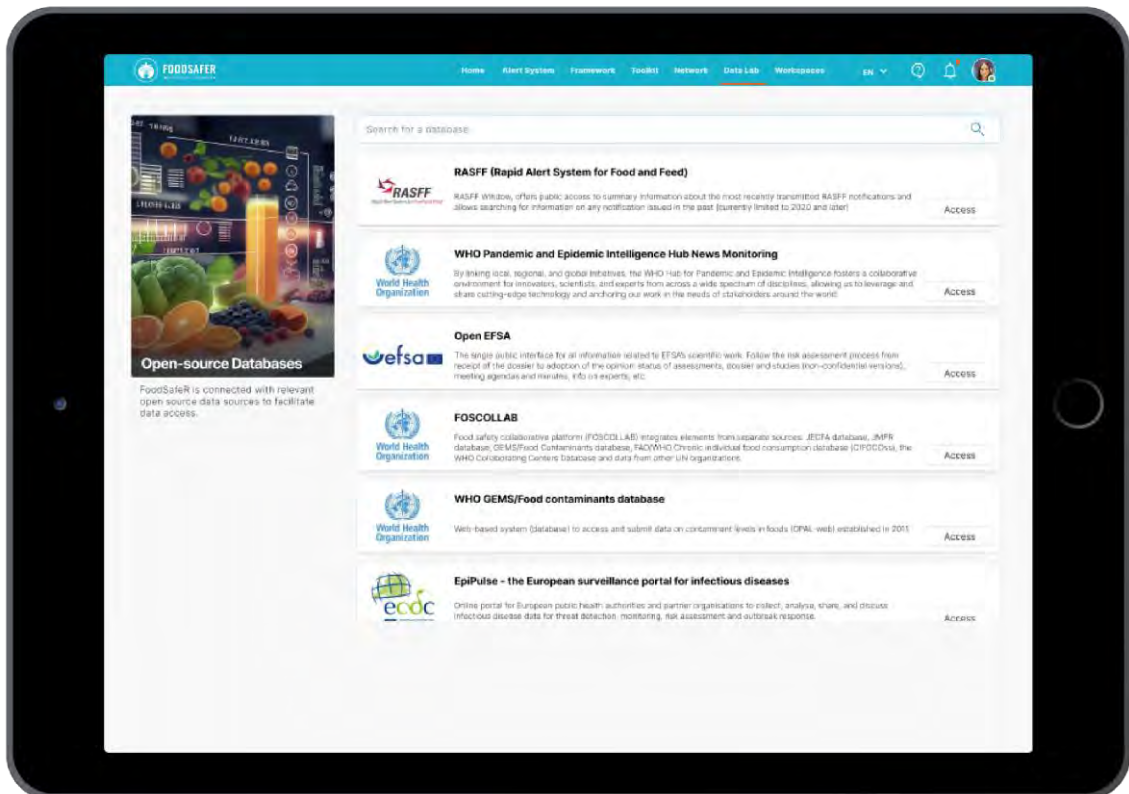


5. NETWORK





6. DATA LAB



7. WORKSPACES

