



Food and Agriculture
Organization of the
United Nations

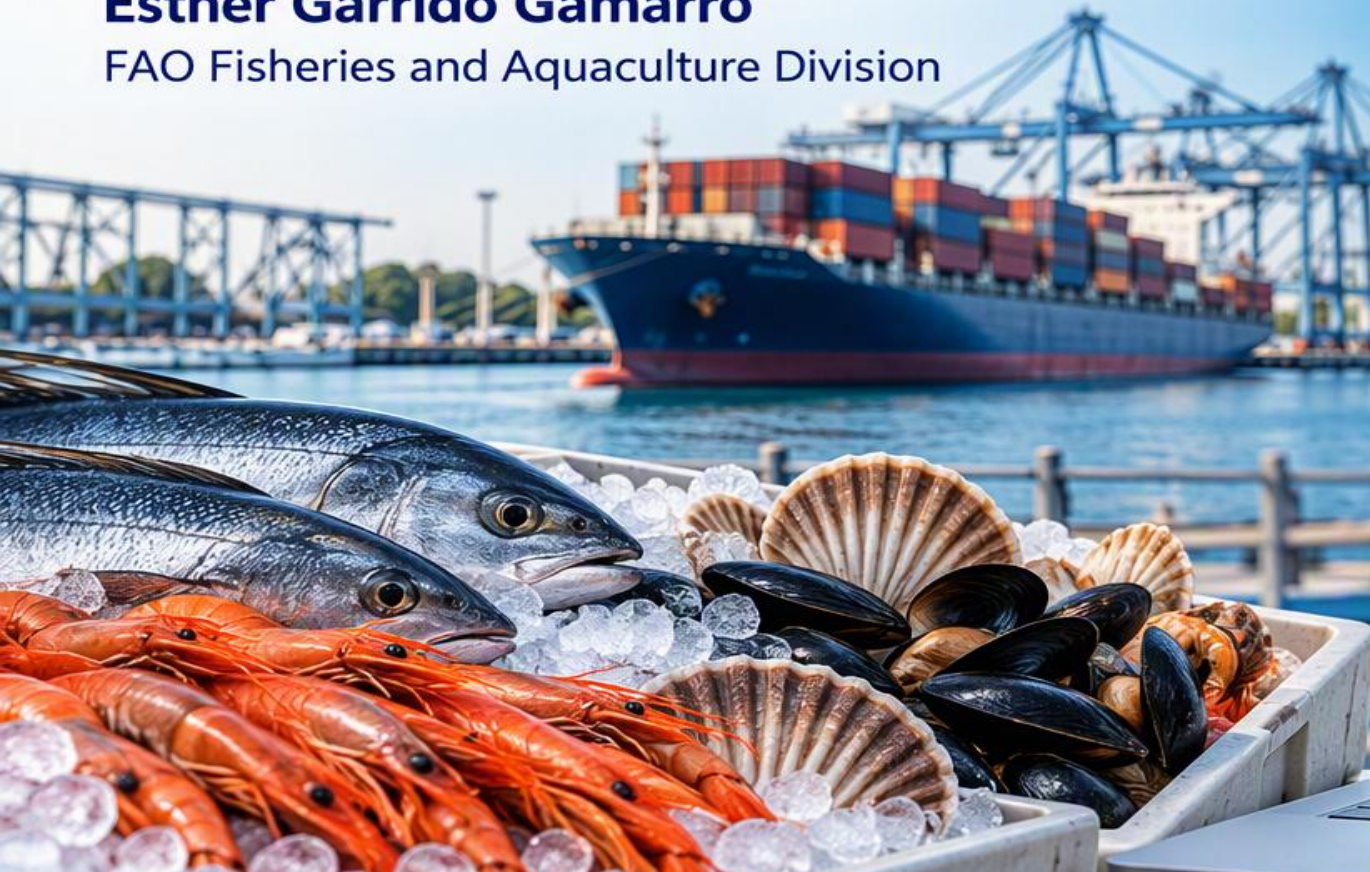
E-notification systems and the aquatic sector

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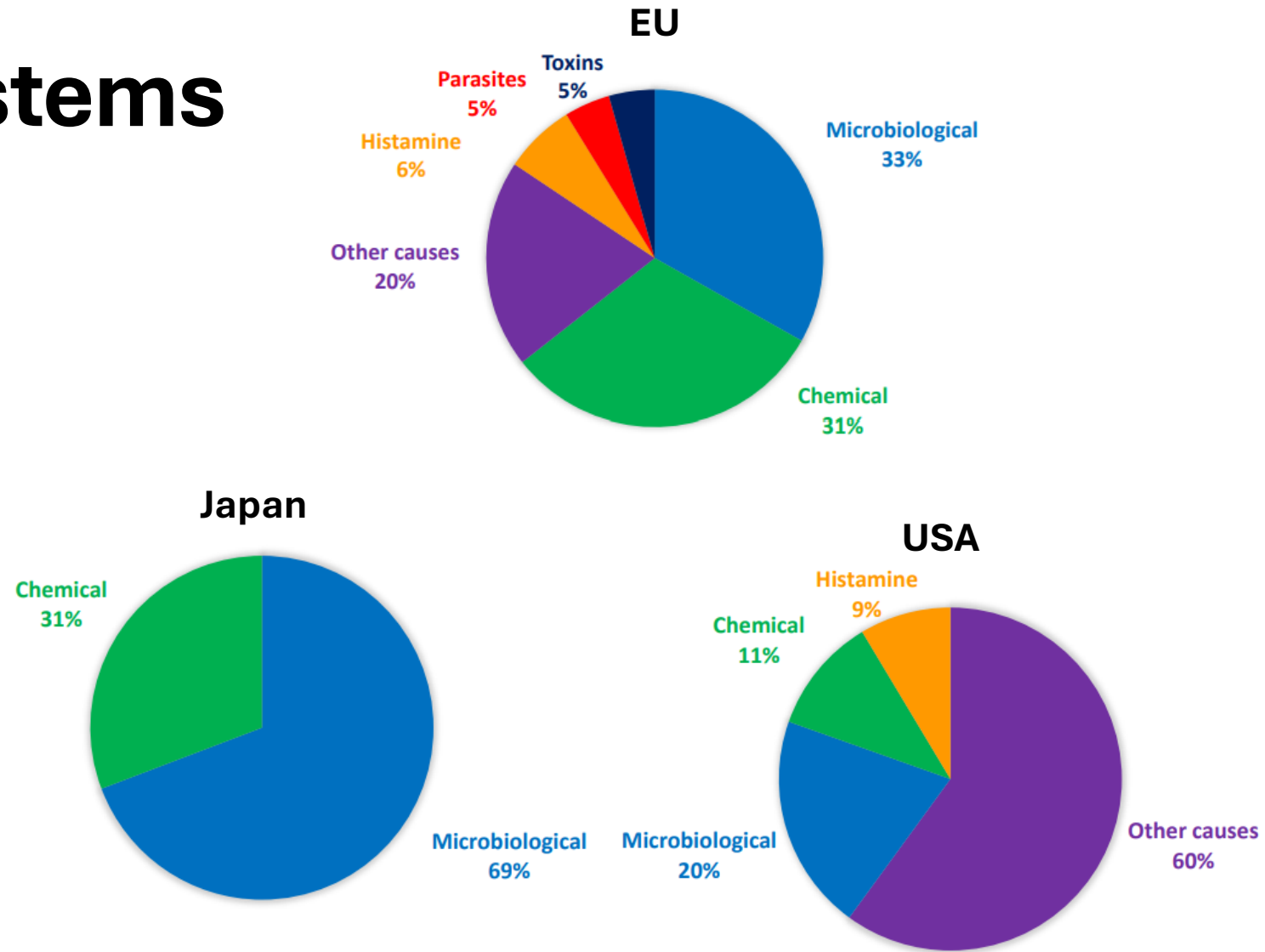
**Codex Committee on Food Import
and Export Inspection and Certification Systems
(CCFICS)**

Side event | Digitalization of food control systems,
examples, challenges and opportunities

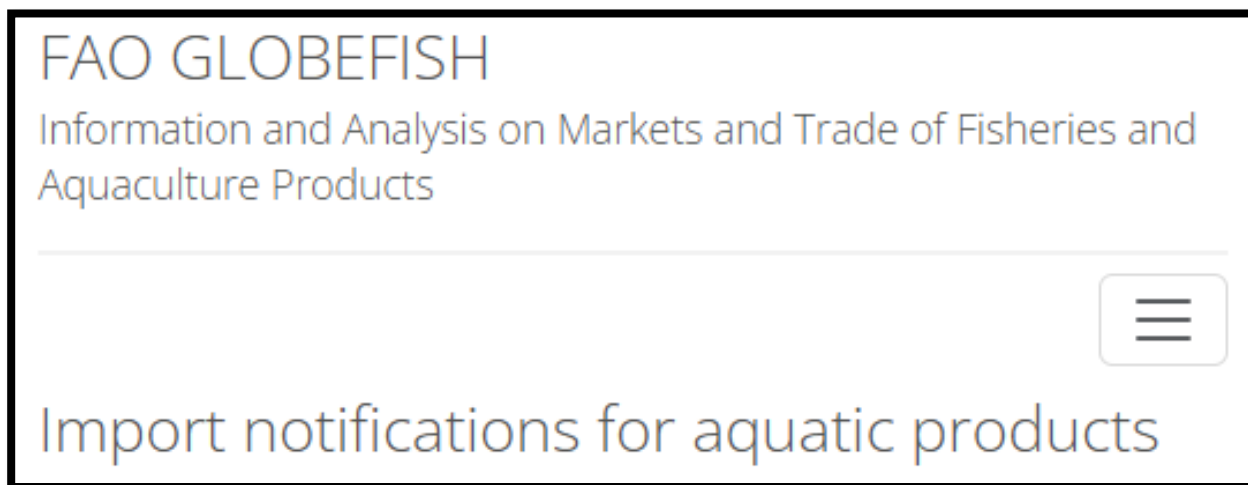


E-notification systems

- A key tool for improving the transparency, efficiency and traceability of international trade.
- A strategic source of information for food safety management and forecasting.



E-notification systems and data for aquatic products



<https://www.fao.org/in-action/globefish/markets---trade/import-notifications-for-fisheries-and-aquaculture-products/en>



Import notifications – China



Import notifications - Japan



Import notifications - Australia

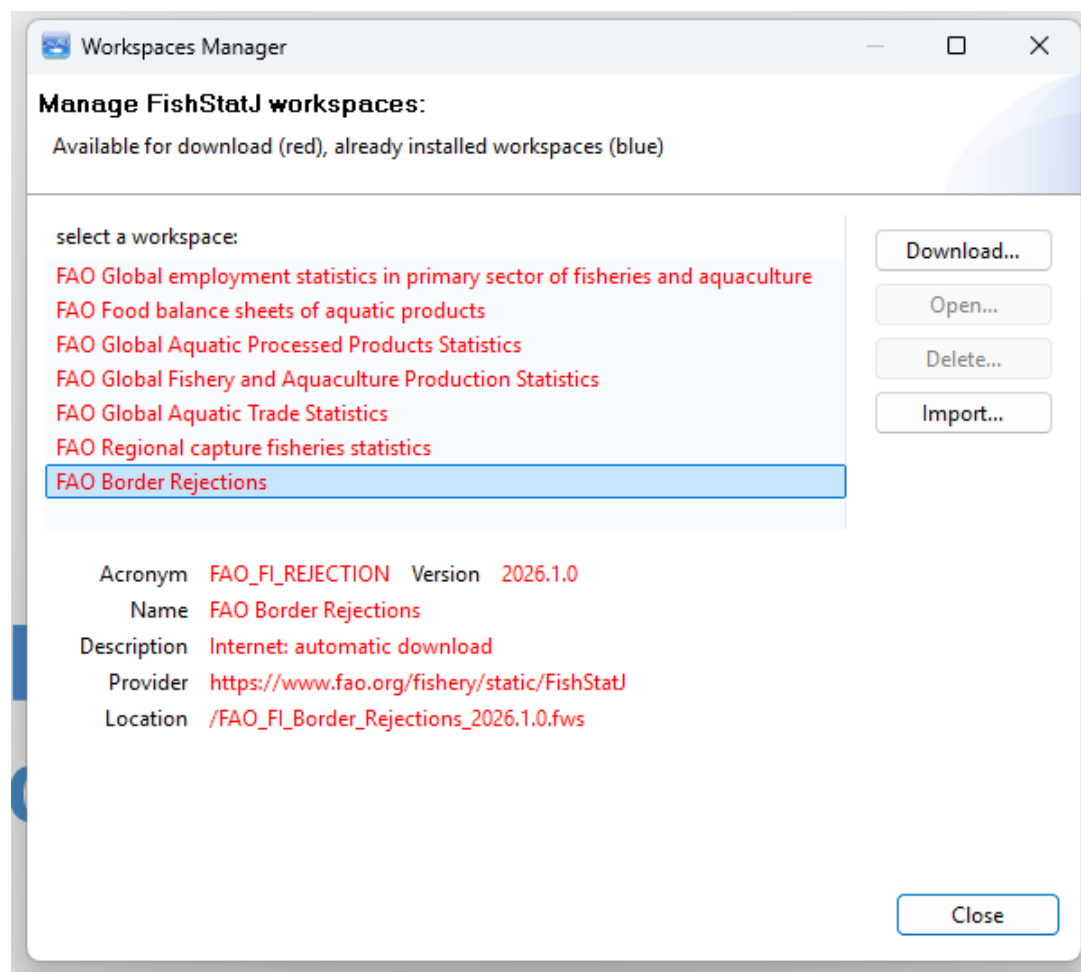


Import notifications - European Union



Import notifications - United States of America

E-notification systems and data for aquatic products



Exporter (Name)	Importer (Name)	Cause (Name)	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Albania	Italy	Issues with health ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	1	0 ...	0 ...
Albania	Italy	Labelling	0 ...	0 ...	0 ...	0 ...	0 ...	1	0 ...	0 ...	0 ...	0 ...
Albania	Italy	Labelling	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	1	0 ...	0 ...
Albania	Italy	Labelling	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	1	0 ...	0 ...
Albania	Italy	Poor temperature ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	3	0 ...	0 ...
Albania	Italy	Poor temperature ...	0 ...	0 ...	1	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...
Albania	Spain	Labelling	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	1
Algeria	France	Mercury	0 ...	1	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...
Algeria	France	Mercury	0 ...	1	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...
Algeria	France	Mercury	0 ...	3	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...
Algeria	France	Mercury	0 ...	2	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...
Algeria	France	Mercury	0 ...	0 ...	0 ...	1	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...
Algeria	France	Mercury	0 ...	0 ...	0 ...	1	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...
Algeria	Italy	Labelling	0 ...	0 ...	0 ...	1	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...
Algeria	Spain	Poor temperature ...	0 ...	0 ...	0 ...	0 ...	2	0 ...	0 ...	0 ...	0 ...	0 ...
Algeria	Spain	Poor temperature ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	1
Algeria	United States of A...	Unfit for human c...	0 ...	0 ...	1	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...
Angola	Portugal	Allergens	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	1	0 ...	0 ...
Angola	Portugal	Labelling	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	1
Argentina	China	Packaging	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	2
Argentina	China	Packaging	0 ...	0 ...	0 ...	0 ...	0 ...	3	0 ...	0 ...	0 ...	0 ...
Argentina	China	The goods do not ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	5
Argentina	China	Unfit for human c...	0 ...	0 ...	0 ...	0 ...	0 ...	1	0 ...	0 ...	0 ...	0 ...
Argentina	China	Unfit for human c...	1	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...
Argentina	China	Unfit for human c...	0 ...	2	1	1	1	1	0 ...	0 ...	0 ...	0 ...
Argentina	China	Unfit for human c...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	2	1	0 ...	0 ...
Argentina	China	Volatile basic nitro...	1	2	0 ...	0 ...	0 ...	0 ...	1	0 ...	0 ...	0 ...
Argentina	France	Unfit for human c...	0 ...	0 ...	0 ...	1	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...
Argentina	Germany	Cadmium	0 ...	0 ...	0 ...	0 ...	0 ...	1	0 ...	0 ...	0 ...	0 ...
Argentina	Greece	Poor temperature ...	1	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...
Argentina	Netherlands (King...	Cadmium	0 ...	0 ...	0 ...	0 ...	1	0 ...	0 ...	0 ...	0 ...	0 ...
Argentina	Poland	Anisakis	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	2
Argentina	Poland	Anisakis	0 ...	0 ...	0 ...	0 ...	0 ...	1	0 ...	0 ...	0 ...	0 ...
Argentina	Poland	Anisakis	0 ...	0 ...	0 ...	0 ...	0 ...	1	0 ...	0 ...	0 ...	0 ...
Argentina	Poland	Anisakis	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	0 ...	1	0 ...	0 ...

What does this analysis provide?

Global perspective

- Identifies food safety issues that may affect multiple markets and trading partners.

Early identification

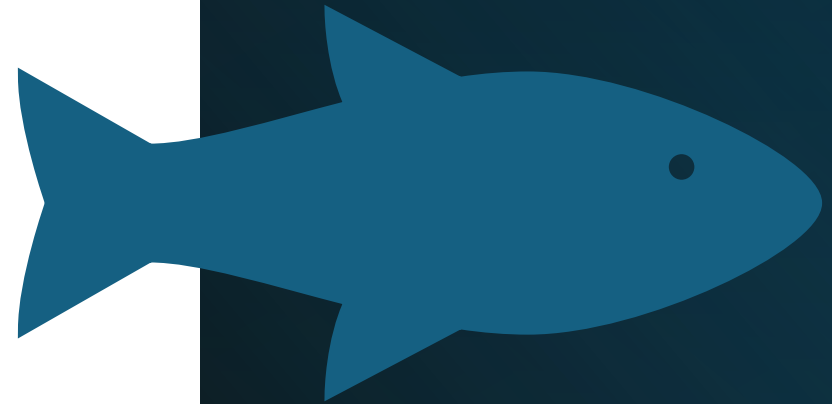
- Supports the detection of new and emerging food safety issues for aquatic products.

Evidence-based action

- Helps FAO identify priorities and target food safety interventions and technical assistance.

Trade perspective

- Provides insights into the challenges faced by exporting countries in accessing international markets.



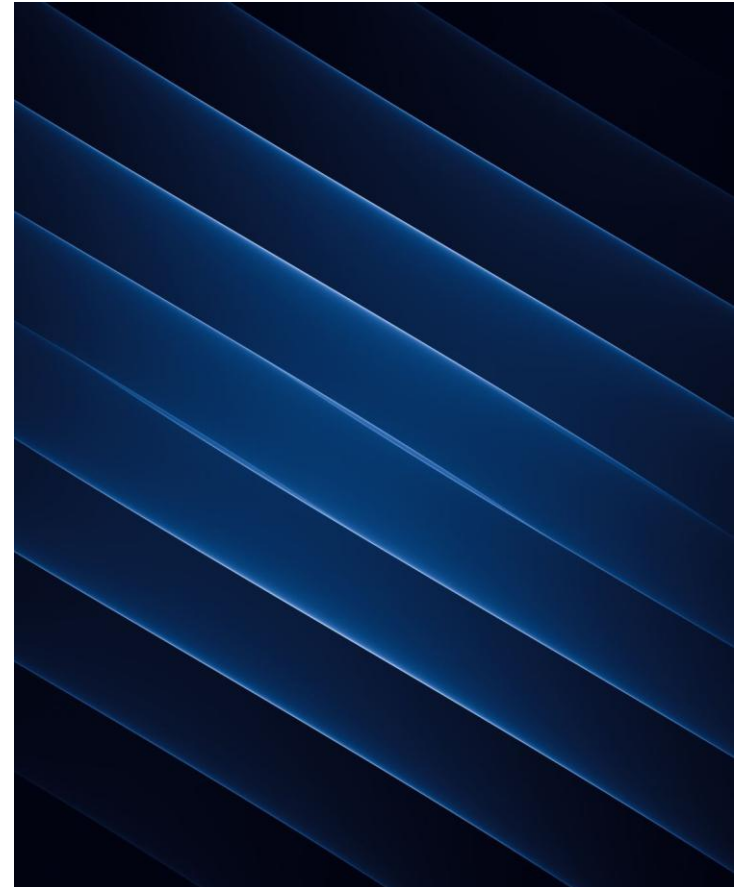
Important lessons learned by analysing this data

Exporting countries must comply with diverse food safety and control requirements established by importing countries, which are not always harmonised.

The profile of imported commodities may differ from the profile of notified products, as countries apply different approaches to risk assessment and risk prioritisation.

Risk perception and risk prioritisation may vary across countries, resulting in different food safety control priorities.

The resources allocated to inspection and border controls also vary significantly between countries, influencing the scope and intensity of import controls.



Key challenges

Differences in data formats and national/regional systems.

Variable data availability and quality.

Harmonization of terminology and classifications.

Access to and continuity of data sources.

Technical capacity to manage and analyse large datasets.

Data governance and responsible use of information.



Opportunities

Broader coverage: integrate more notification systems, markets and data sources.

Greater timeliness: automate data extraction and updates.

Improved data quality: harmonize formats, categories and terminology.

Advanced analytics: use digital tools to identify patterns, trends and emerging risks.

Greater interoperability: facilitate data exchange between national, regional and international systems.

Better decision-making: turn data into actionable information for governments and the private sector.

Technical guidance for the implementation of e-notification systems for food control

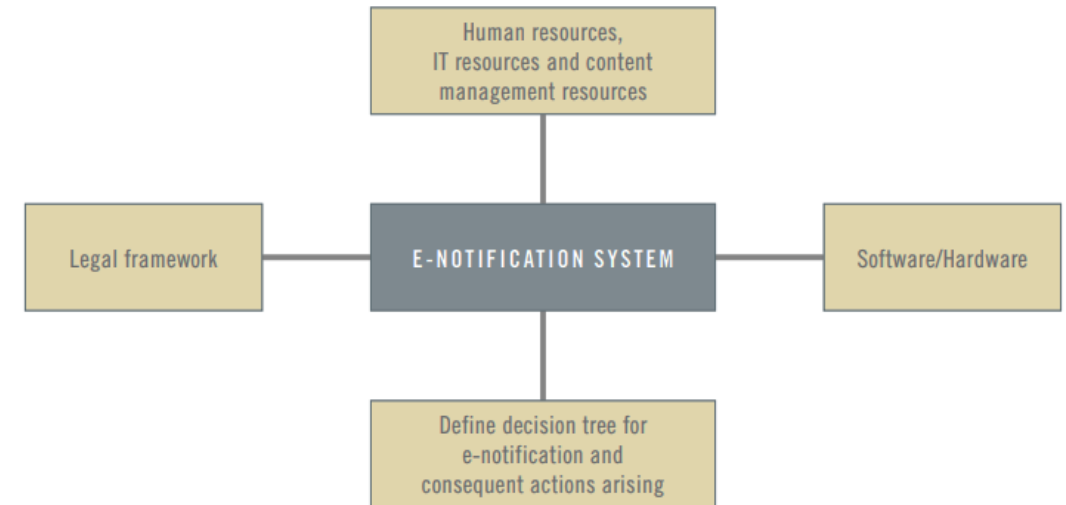
- The aim is to guide the design and implementation of a food control e-notification system, tailored to national needs and resources.
- This guidance includes the system's legal basis, its structure and operational parameters, as well as its infrastructure and human resource requirements.



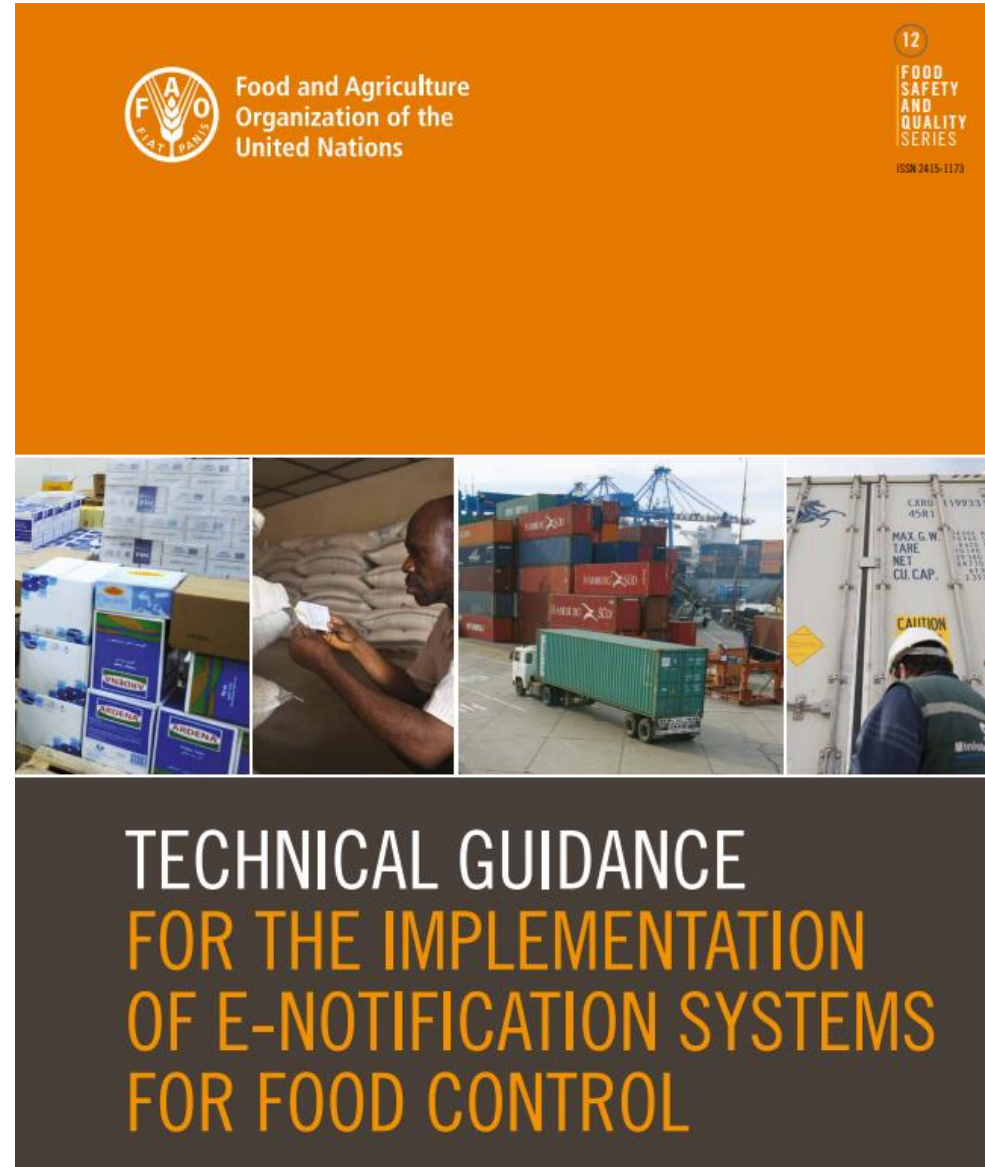
TECHNICAL GUIDANCE
FOR THE IMPLEMENTATION
OF E-NOTIFICATION SYSTEMS
FOR FOOD CONTROL

Technical guidance for the implementation of e-notification systems for food control

- ENABLING LEGISLATION
- INTERNATIONAL STANDARDS AND GUIDELINES
- REQUIRED INSTITUTIONAL ARRANGEMENTS
- DESIGNATION OF DUTIES AND RESPONSIBILITIES
- TYPES AND CLASSIFICATIONS OF NOTIFICATION AND INFORMATION TO BE PROVIDED
- INFORMATION TO BE PROVIDED IN NOTIFICATIONS
- CHAIN OF CUSTODY FOR NOTIFICATION DATA
- INTERNATIONAL EXCHANGE OF INFORMATION ON NOTIFICATIONS



Digitalization is not only a tool for collecting e-notifications. It is an opportunity to build global food safety intelligence for aquatic products, anticipate risks and better target interventions.



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12
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AND
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TECHNICAL GUIDANCE FOR THE IMPLEMENTATION OF E-NOTIFICATION SYSTEMS FOR FOOD CONTROL