

EFSA ADVISORY GROUP ON DATA

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FOOD AND DATA



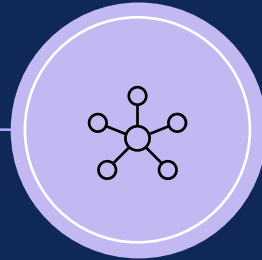
Complexity

Increasing volume & complexity of the food chain



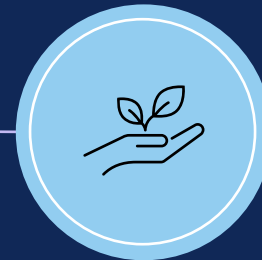
Data

Growth of the amount of data available for analysis



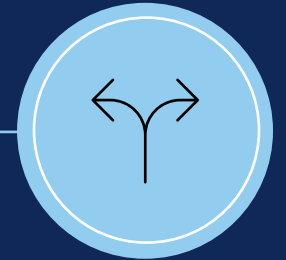
Science

Advances in computational and complexity sciences, and AI



Values

Increasing discussions on societal values, costs, ethics



Decisions

Better evidence-based decision making?

ADVISORY FORUM TASK FORCE RECOMMENDATIONS (2020)

Recommendations

- 21 Strategic recommendations made in 5 key areas:
 - Horizontal
 - Data Reporting
 - Data Modelling
 - IT Architecture
 - Data Analysis
- 25 operational recommendations identified as possible next steps

<https://efsa.onlinelibrary.wiley.com/doi/pdf/10.2903/sp.efsa.2020.EN-1901>



AGOD

- Act as a **governance body** providing recommendations
- Act as a **think tank** providing input on project idea generation
- Act as a **program steering committee** for data related projects
- Act as a **consulting body** on Focal Point tailor-made activities proposals in area of data
- Act as a **hub** providing access to knowledge, expertise, competencies and staff in Member States
- Provide **strategic input** on and oversight of alignment of EFSA's data and AI roadmap

HOW DO WE WORK?

Data Governance

- Governance bodies and roles
- Collaborative decision-making mechanisms

Data Management

- Data Quality
- Data Modelling and Terminologies
- Data Analysis and visualization

Tools & Eco-systems

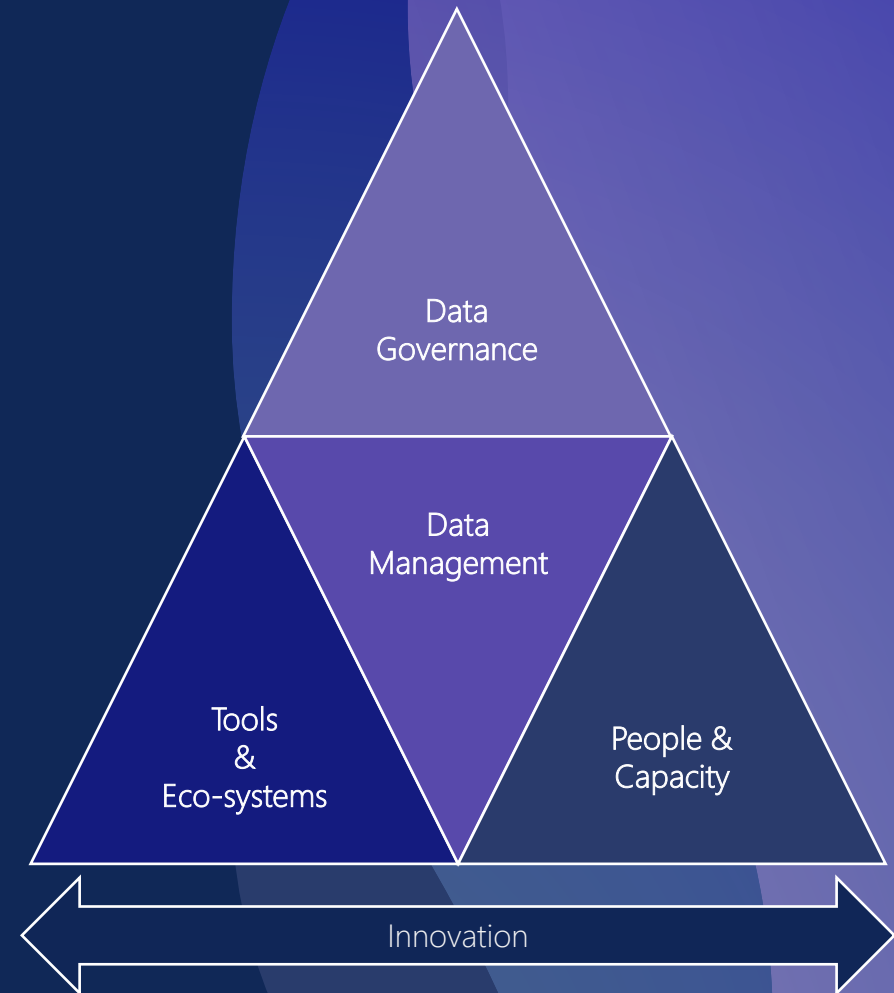
- Digital Platforms and eco-systems
- Developing and sharing tools

People & Capacity

- Data Literacy
- Data Capacity preparedness

Innovation

- Innovative data analytics
- New data streams
- AI

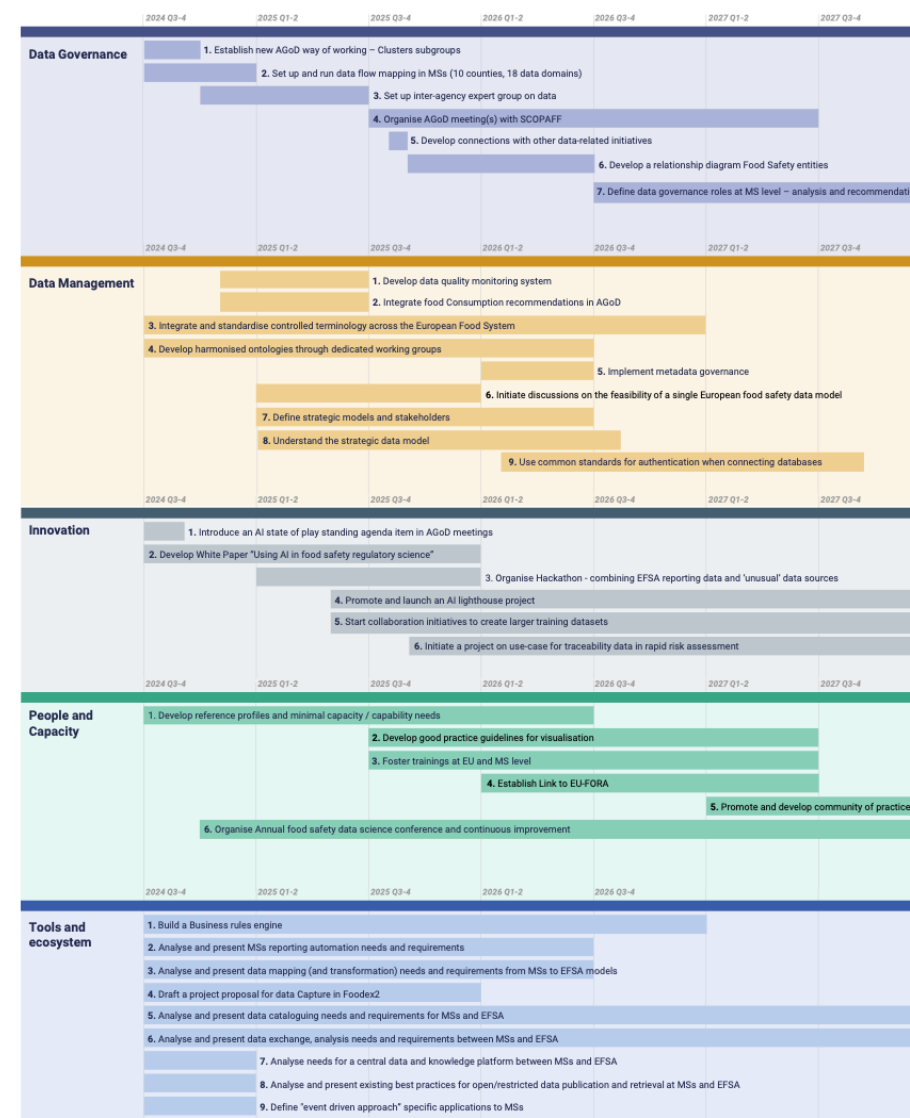


AGOD ROADMAP

More information:
<https://www.efsa.europa.eu/en/advisory-group-on-data>

Advisory Group on Data

Roadmap 2024 – 2027



PARTNERSHIPS



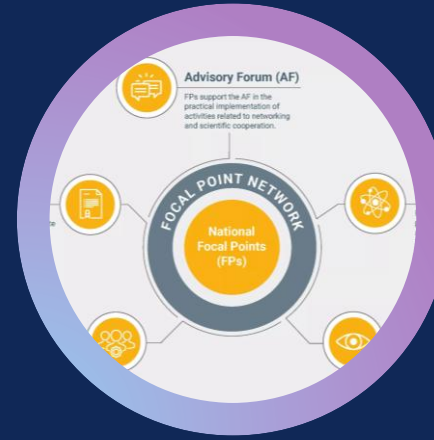
Advisory Forum

Supporting AF at strategic level in data related matters



Data Networks

Interaction with data networks in Subgroups to collect expertise and needs from MS



Focal Points

Collaboration in identifying partners and implementing project ideas



EFSA and EC

Strategic input on and oversight of alignment of data related activities with EFSA Data Roadmap

FOCAL POINT TAILOR-MADE DATA PROJECTS (CONCLUDED)

- Implementation of a Data Mapping Tool (**SE**)
- Rebuild Data Framework – New Data Ingestion and Management System Member States Recommendations and Enhancing for new functionalities (**SE, IT** – BE, BG, FR, NL, DE, HR)
- Extension of the Risk Assessment Knowledge Integration Platform “RAKIP-Web” (**DE** – DK, FR, NL, FI, ES, ME, HU)
- Inspections and Samples: risk based versus random (**AT, NL** – DE, PT, AL)
- Data Flow Mapping Methodology (DK, HU, IT, LV, NL, NO)

FOCAL POINT TAILOR-MADE DATA PROJECTS (ONGOING)

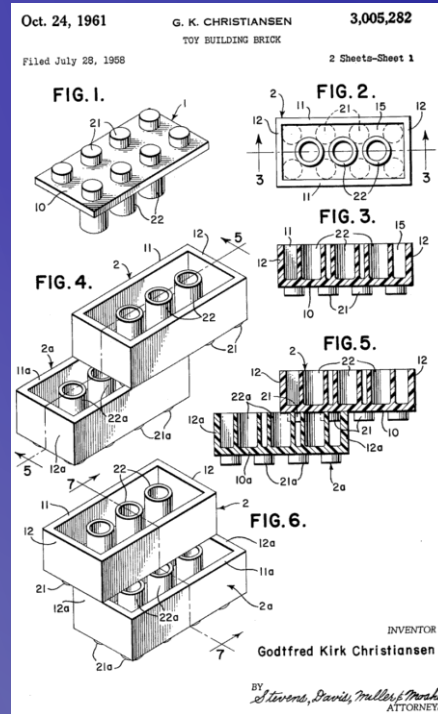
- Data Capture @Point of Sampling Tool (**PT** – DK, DE)
- Data Model Mapping Tool (**SE** – DK, DE, IT)
- Data Model Mapping Tool (**IT** – DK, DE)
- Data Flow Mapping in Member States: subsequent round
(**EFSA** – multiple MS)

FOCAL POINT TAILOR-MADE DATA PROJECTS

- Cross member state collaboration and development for improved outbreak investigation, preparedness and sharing of Whole Genome Sequences in the EU (**DK** – FR, DE, IT)
- Filling food consumption data gaps from Sweden and Denmark (**SE** – DK)
- Large Language Models analysis for automatic FoodEx2 codification (**FR** – DK, DE, NL, SE)
- Use of inter- and intrasectoral WGS comparisons for mapping sources and spread of Salmonella Enteritidis (**SE** – DK, BE)

TOWARDS A EUROPEAN FOOD SAFETY DATA SPACE

- 2020
 - Report of the Advisory Forum Task Force on Data Collection and Data Modelling
- December 2025
 - Introduction to data spaces and next big thing for AGoD
- January 2026
 - Vision alignment, resistance mapping, stakeholder mapping
- March 2026
 - Use case presentation and selection
- April 2026
 - SG feedback on uses cases
- June 2026
 - Priority use cases
 - Starter-Kit-for-Data-Space-Designers-Version-1.5.pdf
- September 2026
 - Workshop on scope, mandate, ways forward



OUTLOOK: WHAT WE NEED TO DO

- Invest in data generation
- Build ontologies
- Share tools, standards, data, models
- Use open data standards
- Educate
- Manage changes
- Explore 'lighthouse' ideas/projects for AI
- Build networks and partnerships



<https://www.efsa.europa.eu/en/advisory-group-on-data>

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THANK YOU

EFSA Advisory Group on Data