



Update on Advisory Group on Data

Ákos Jozwiak, Hungary

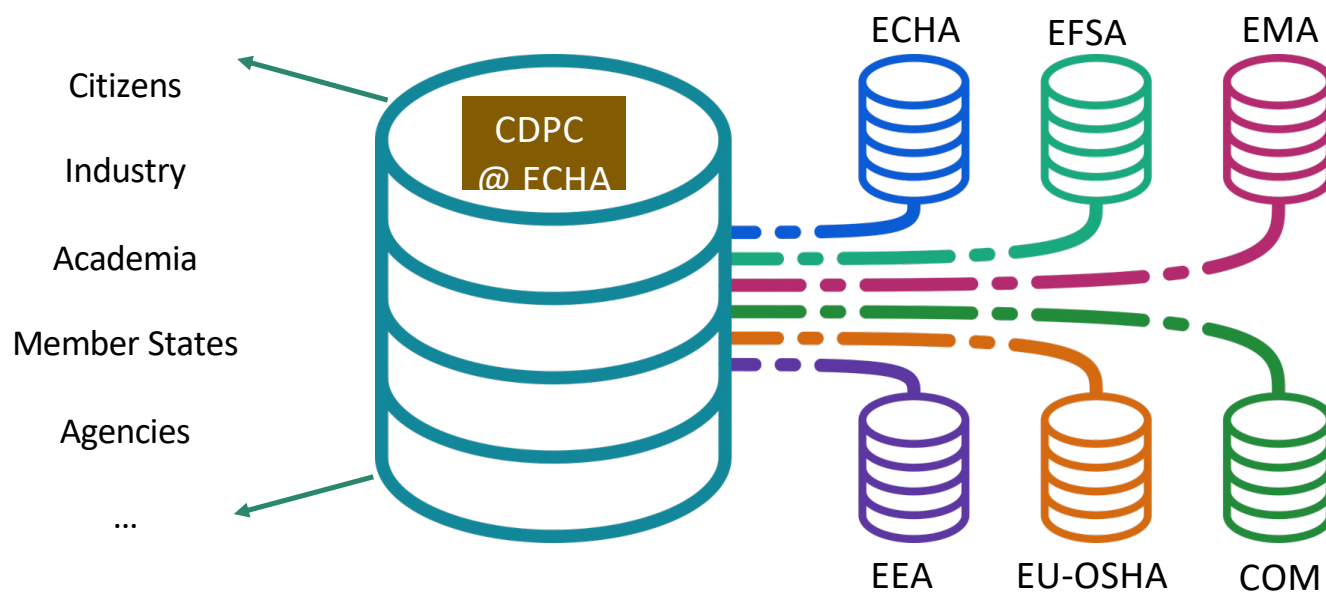
33RD (ONLINE) AND 34TH (PHYSICAL) MEETING OF AGOD

- European Common Platform on Chemicals
- IUCLID
- Update on EFSA AI evolution
- Subgroups check-in
- Workshop on 'AGoD next big thing'
- Data flow mapping project 2
- AGoD Annual Report
- 2026 Data Symposium
- Workplan 2026



PETER KORYTAR (DG-ENV): COMMON DATA PLATFORM ON CHEMICALS

- Bring together all chemicals related data into one database
- To be established by ECHA by 3 years from the entry into force with minimum datasets; by 10 years all data to be integrated



EDOARDO CARNESECCHI (EFSA): IUCLID



IUCLID in a nutshell



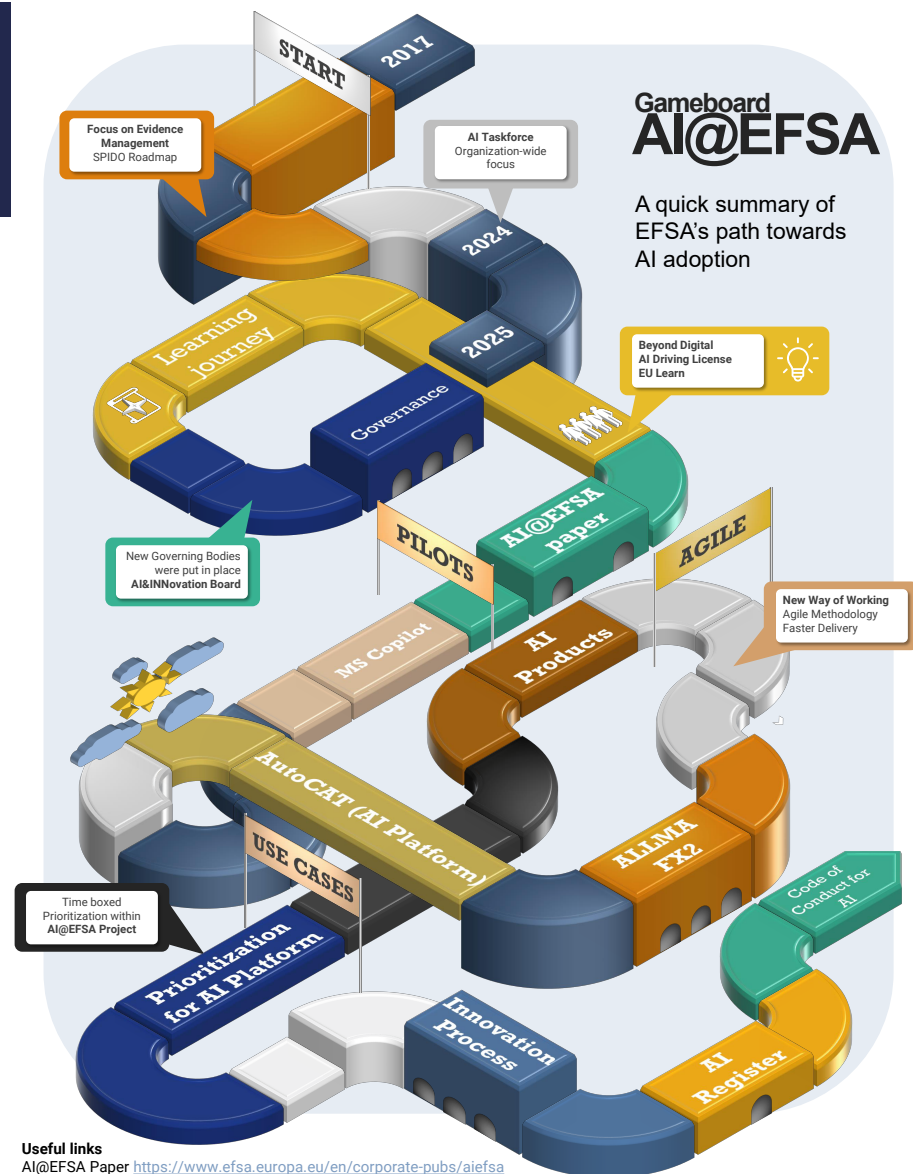
IUCLID format: OECD Harmonised Templates (OHTs)



EFSA's OpenFoodTox & the EU Common Data Platform on Chemicals



VITTORIA FLAMINI (EFSA): UPDATE ON AI EVOLUTION



Useful links

AI@EFSA Paper <https://www.efsa.europa.eu/en/corporate-pubs/aiefsa>

AI Hub [AI Hub – Home](#)

Innovation Process [Introducing process 13.04](#) | [Igniting innovation at EFSA](#)



Subgroup Tools & Ecosystems – Check in





Subgroup Tools & Ecosystems – Check in

SUMMARY OF 2025

Six meetings were held over the year.

Quite a few words were said

Focus is shifting towards solving problems and make use of tools and ecosystems.

note:

It's very hard to make any kind of meaningful strategic change in ten hours over a year.

SUBGROUP TOOLS & ECOSYSTEMS – CHECK IN

First public "tool" on Github

CONTRIBUTING.md

Add comprehensive project documentation (#12)

5 days ago

DOCUMENTATION.md

Add comprehensive project documentation (#12)

5 days ago

README.md

Fix incorrect claim about Excel import support

5 days ago

ecosystem.config.js

Add PM2 process management and categorized warnings

2 weeks ago

package.json

Add PM2 process management and categorized warnings

2 weeks ago

pm2.json

Add PM2 process management and categorized warnings

2 weeks ago

server-manager.sh

Initial commit: FoodEx2 Validator standalone application

3 months ago

setup.sh

Initial commit: FoodEx2 Validator standalone application

3 months ago

start-backend.sh

Initial commit: FoodEx2 Validator standalone application

3 months ago

start-frontend.sh

Initial commit: FoodEx2 Validator standalone application

3 months ago

start.sh

Initial commit: FoodEx2 Validator standalone application

3 months ago

README

Contributing

FoodEx2 Validator

A comprehensive validation service for EFSA's FoodEx2 food classification and description system. This tool validates FoodEx2 codes, provides term search functionality, and offers both API and web interfaces for food classification validation.

Overview

FoodEx2 is the European Food Safety Authority's (EFSA) standardized food classification and description system. It uses a hierarchical system with facets to describe foods in detail. This validator ensures that FoodEx2 codes conform to the official MTX catalogue standards.

Chili36 David Foster

claude Claude

Languages

JavaScript 77.8%

Python 13.1%

CSS 4.6%

Shell 4.4%

HTML 0.1%

Suggested workflows

Based on your tech stack

Deno

Test your Deno project

Configure

Node.js

Build and test a Node.js project with npm.

Configure

Publish Node.js Package

Publishes a Node.js package to npm.

Configure

[More workflows](#)

Dinamo suggestions

Second tool idea: Foodex 2 assistant with the help of LLM

FoodEx2 Classification

Processing...

Croquettes (made from fresh potatoes), frozen, battered, and deep fried

Breaking Down Your Query

To classify your item, we first break it down into searchable components. We identified **'Potato croquettes'** as the base term and detected **'Frozen', 'Battered',** and **'Deep fried'** as likely descriptors. This is a **composite** food item that serves as input for the FoodEx2 matching stage.

Now evaluating matches and constructing codes...

Sifting through matches...

Describe a food item to classify...

0 characters

DMT Assistant

Chemical Monitoring & Food Classification

ChemMon Guidance

Ask questions about chemical monitoring requirements

FoodEx2 Classification

Classify food items using FoodEx2 system

Chemical Parameters

Search for pesticides, veterinary drugs & contaminants

Analytical Methods

Find testing methods and analytical procedures

Pro Tips

- Describe food items clearly
- Include processing methods if relevant
- Mention ingredients for complex foods



SG Data Management check in

7th meeting on 25th Nov.

Usual Agenda Points

- **1) Give an overview**
 - On AGoDs road map
 - On AGoD activities
 - On data management tasks and open questions
 - Try to invite speakers
- **2) Work on concrete tasks**
- **3) Plan the next meeting**



In 2025
5 meetings of 6
3 products



3 main activities

Data Quality, Standardisation, Strategy

Task 3 Data quality aspects

- KPIs
- Checklist discussion
- Usage of data - guideline

Task 6 communicate existing terminologies

- TMT proposal

Task 8 European Food Safety Data Model

- Position Paper



Task 6 position paper

Position Paper of AGoD SG Data Management

How more interoperability in the European food safety data space could be reached?

Problem definition / current status

- Data collections on the European level; different data models, different terminology systems (?), different collections procedures
- Scientific communities exist and build „their“ data collections
- The problem of interoperability arises between the working approaches of the European Commission (EC) and EFSA in such a way that monitoring plans are submitted to the EC on the basis of EU Regulation 2022/932, where food is categorised differently compared to the food categories defined in the EFSA Catalogue Browser. Competent authorities in the Member States prepare plans in accordance with EU Regulation 2022/932 and send these plans to the inspectorate, which organises food sampling according to the plan. The results of the analysis of those samples from the plan are then reported to EFSA using the categories defined in MTX
- Data on dietary habits are reported to the DCF through the exposure hierarchy, while data from official controls are reported through the reporting hierarchy. There are differences between the two hierarchies in food categories, since the exposure hierarchy (22 category)

Problem definition/ current status

- Different data models
- Different terminology systems
- Different collections procedures

Goal for food safety data interoperability

- FAIR principles
- Re-usage of data without any further effort
- Harmonisation of terminology systems and data models

Solution

- Mandates
- Terminology maintenance process
- Promote standards

People & Capacity SG check in Status by the end of 2025

- 16 members representing 13 countries
- 6 subgroup meetings + one cross SG meeting
- Mutual introductions
 - to understand each other's competencies
 - to establish a basis for future work
- Identification of the “best way of work” – subgroup culture
- Focus on first delivery for the roadmap task:
 - Reference profiles and minimal capacity / capability needs

Important conclusions “right now”

- **Data literacy should be addressed at different organizational levels**, recognizing the distinct needs of:
 - **Managers and leaders** – who require strategic understanding and repeated engagement on data topics.
 - **Operational staff** – who need practical skills and tools for everyday data work.
- Top level management must authorize a mandate to fill a data strategy with live.
- Building a strong data steward community helps to understand the people involved and identify their specific knowledge gaps
- Basic skills on data literacy - build a shared language and core data understanding across all staff
 - Identify high quality courses and capacity building activities “to be shared among institutions”
- Showcases and best practices are extremely helpful

Start building up a shared document:

Capacity building in data related activities – suggestions for goal and structure

List of Content

Background	1
Aim	1
Definitions	2
Data literacy at different organisational levels	2
Basic data governance model	2
Curriculum	2
Best practices	3

INNOVATION SG – CHECK-IN

- 5 meetings in 2025 + Joint SG meeting

Innovation							
	1. Introduce an AI state of play standing agenda item in AGoD meetings						
	2. Develop White Paper "Using AI in food safety regulatory science"						
		3. Organise Hackathon - combining EFSA reporting data and 'unusual' data sources					
		4. Promote and launch an AI lighthouse project					
		5. Start collaboration initiatives to create larger training datasets					
	6. Initiate a project on use-case for traceability data in rapid risk assessment						
	2024 Q3-4	2025 Q1-2	2025 Q3-4	2026 Q1-2	2026 Q3-4	2027 Q1-2	2027 Q3-4



FIRST DRAFT OF THE AI POSITION PAPER (*"THE USE OF AI IN FOOD SAFETY REGULATORY SCIENCE"*)

1. Introduction
2. Current AI applications in food safety
3. Future Prospects and Promises of AI in Food Safety
 - Advanced predictive capabilities
 - Enhanced knowledge management
 - Sophisticated analytical tools
 - Regulatory enhancement
4. Challenges and Concerns
 - Technical and methodological challenges
 - Data and infrastructure limitations
 - Regulatory and legal concerns
 - Human and organizational factors
 - Benchmarking and validation
5. Prerequisites for Successful AI Implementation
 - Data foundation requirements
 - Technical infrastructure prerequisites
 - Regulatory and legal framework
 - Scientific and methodological standards
 - Human capital and organizational readiness
6. Calls for Action
 - Establishing data infrastructure
 - Building regulatory foundations
 - Accelerating capacity building
 - Catalyzing research and development
 - Fostering community engagement





**WHAT IS THE NEXT BIG
THING FOR AGOD?**



WE HAD A VISION 7 YEARS AGO



*It is conceivable that **by 2027**, the (EU) food safety system will be a network of **highly digitalised, secure, connected** and **interoperable** food safety systems at national and EU levels, opening up access to real-time data in all parts of the network.*

*Ideally, the network will have access to the **data generated** not exclusively by **official controls** but to the data from **industry** and **science** as well.*

*The data will be made **available with metadata** enabling the users to retrieve exactly the data they need.*



WE HAD A VISION 7 YEARS AGO



*... a parallel discussion on the applicability of solutions in the medium- or long-term other than relational databases (e.g. data lakes, **data ecosystems**) is necessary.*

*Discussions should also be initiated on designing the '**future food safety data ecosystem of Europe**', and shifting our paradigm from data collection to data connection.*



WHAT IS THE SITUATION NOW?

- We are on the way
 - We have initiated projects
 - We have roadmap(s)
 - We have a growing community (AGoD + SGs)
 - ...
-
- How close are we to the vision?



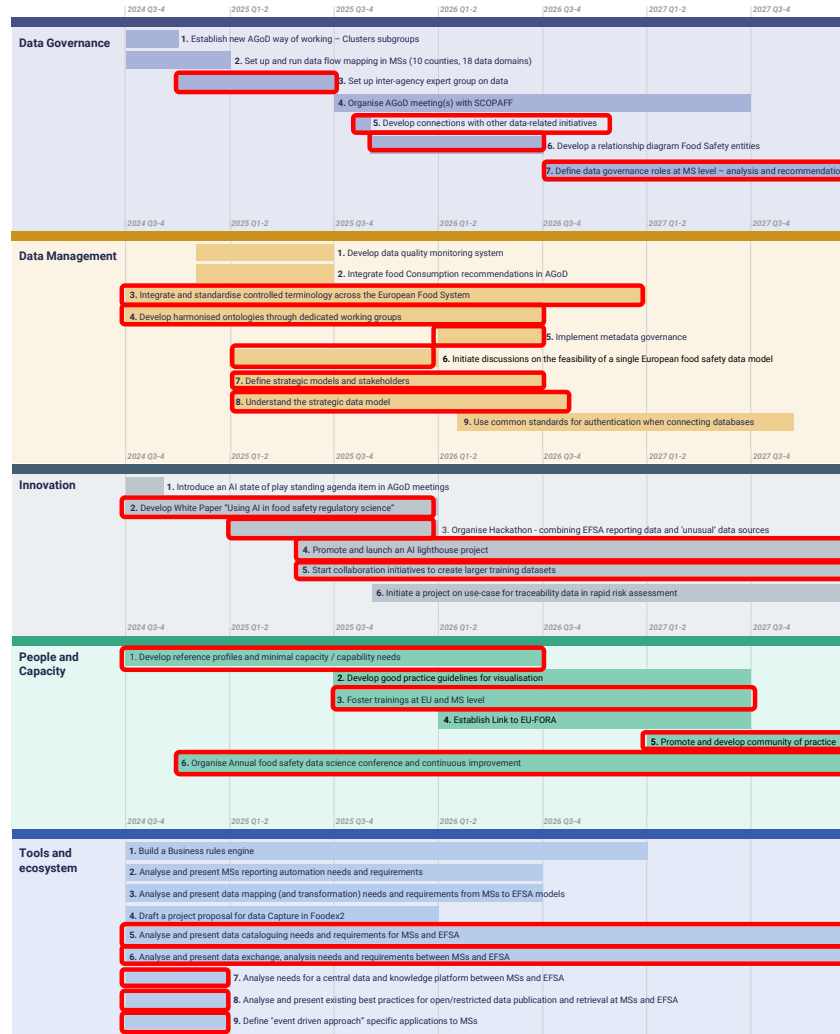
WHAT IS THE SITUATION NOW?

- EFSA & MSs face:
 - Increasing data volume and complexity
 - Need for faster, more integrated risk assessment
 - Expectations around AI, interoperability, and transparency
- Current reality:
 - Multiple datasets, formats, governance models
 - Still reporting burdens on MSs
- New opportunities raising
 - AI (and in particular genAI)
 - Data solutions (e.g., data spaces, federated systems, etc.)



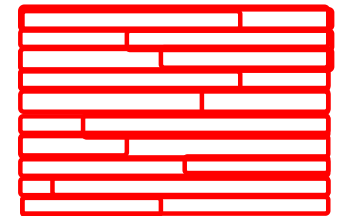
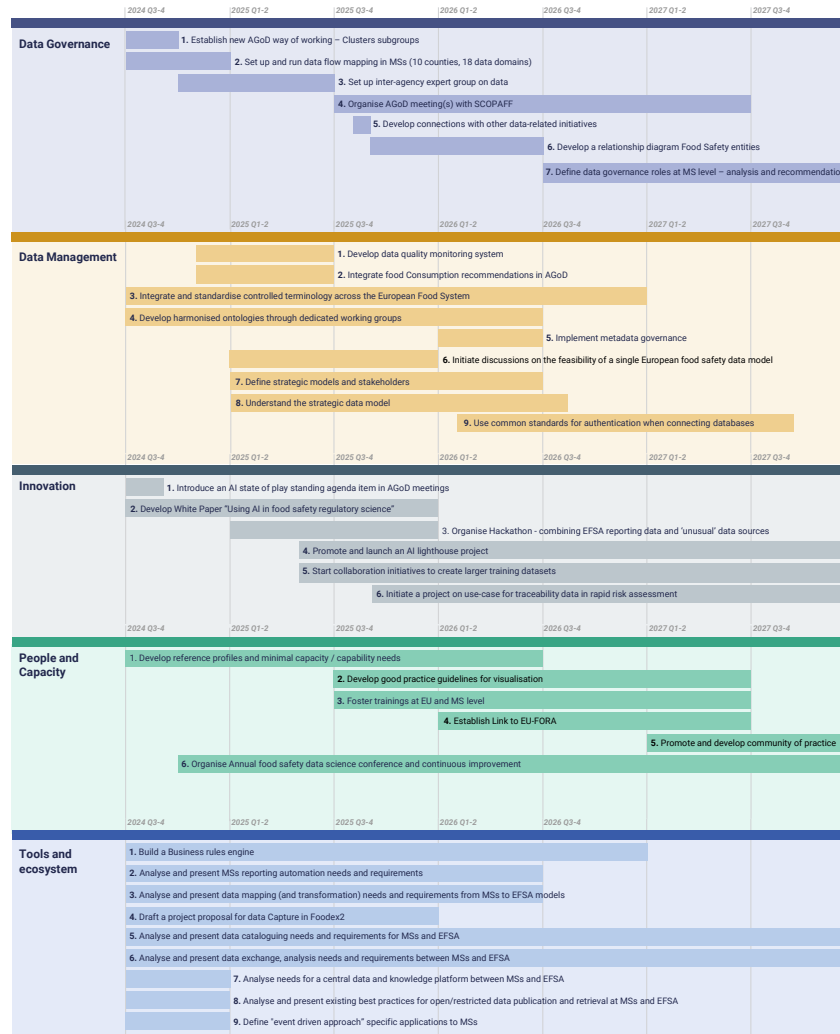
Advisory Group on Data

Roadmap 2024 – 2027



Advisory Group on Data

Roadmap 2024 – 2027



EUROPEAN FOOD DATA SPACE?

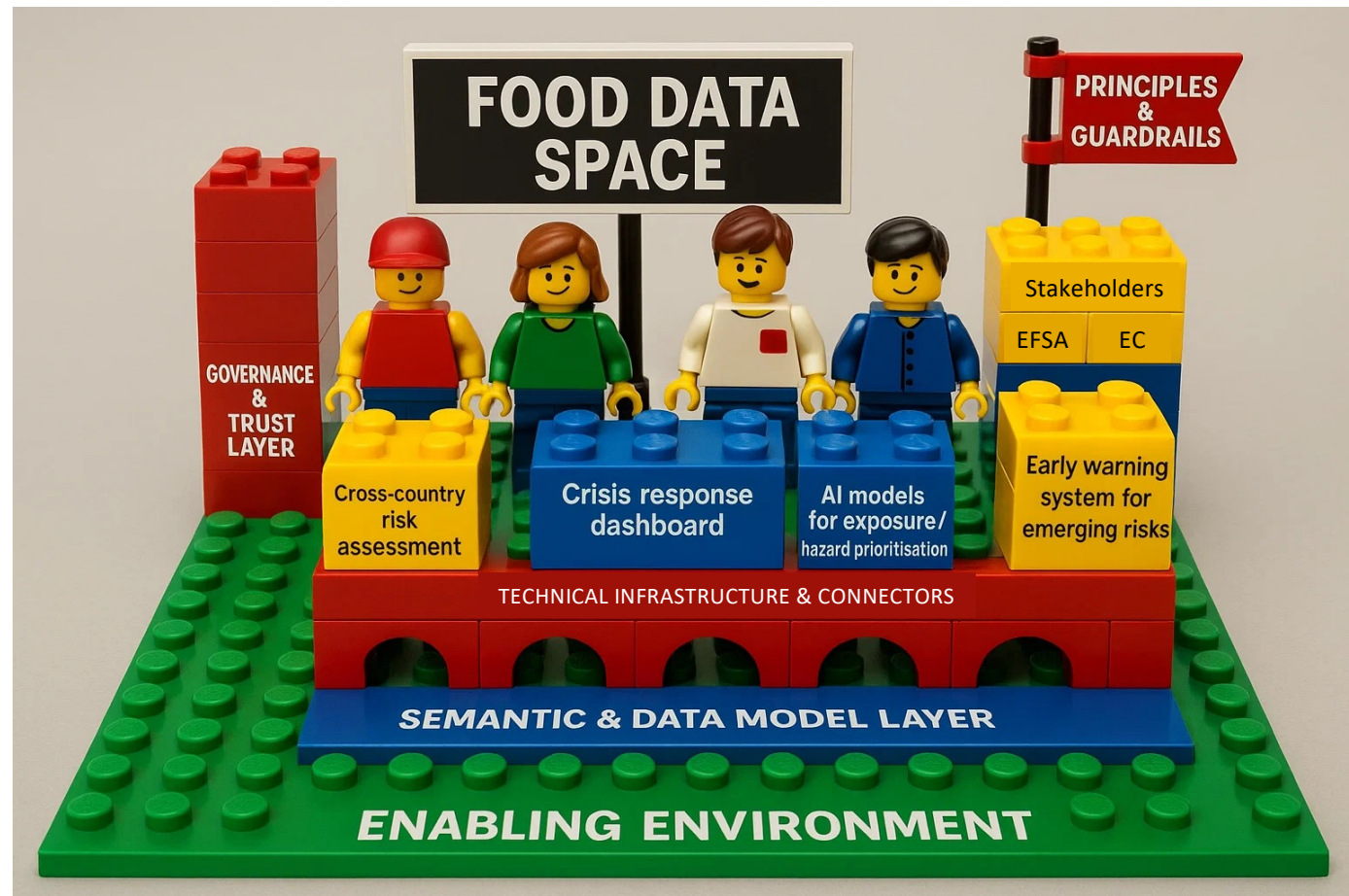
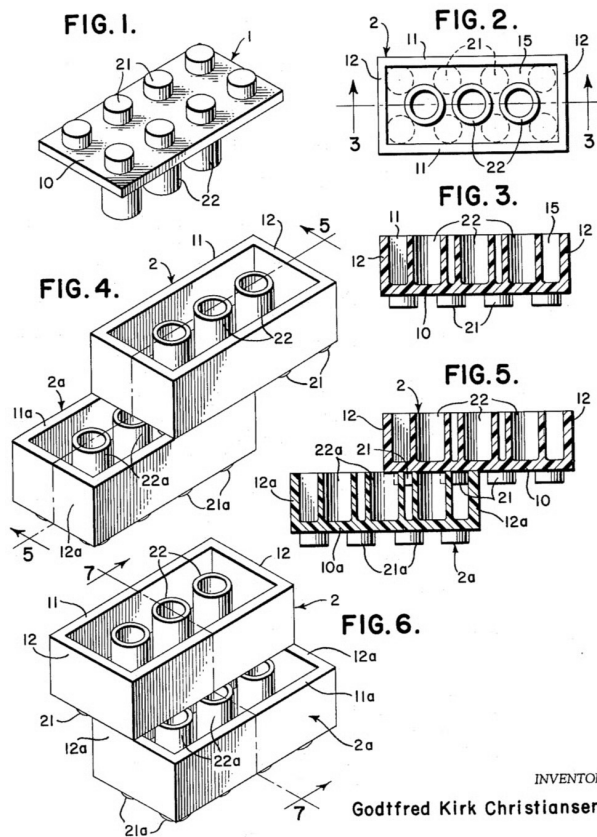
Oct. 24, 1961

G. K. CHRISTIANSEN
TOY BUILDING BRICK

3,005,282

Filed July 28, 1958

2 Sheets-Sheet 1

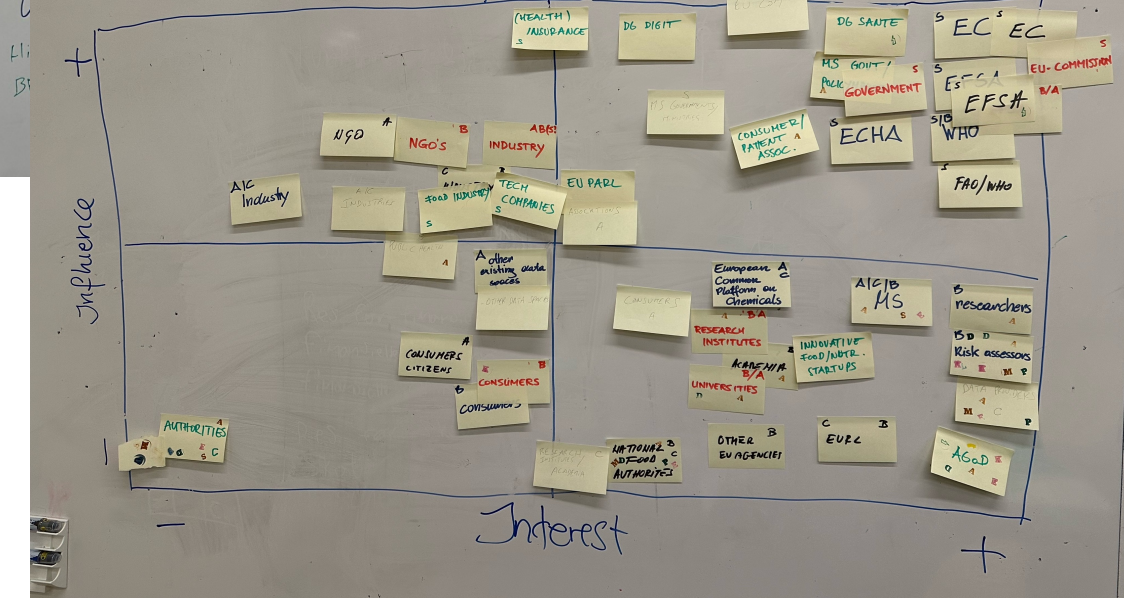


WORKSHOP ON THE AGOD NEXT BIG THING

EU Food Data Space enables...

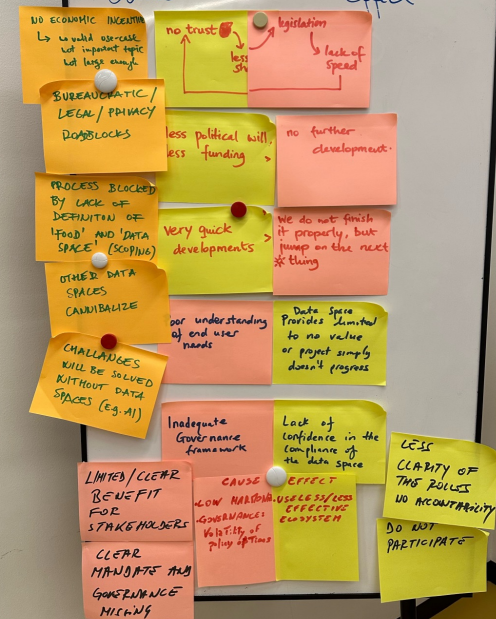
1. Trustworthy data exchange/use between different stakeholders (not only country → EFSA)
 2. Multiple use of data (not only EFSA) → Access all data that is available (not only required by EFSA for reporting)
 3. Self determination of the usage of any data
- Share data between stakeholders - without harmonization
- Data is interoperable and Access data not just Enables optimisation of

Influence/Interest



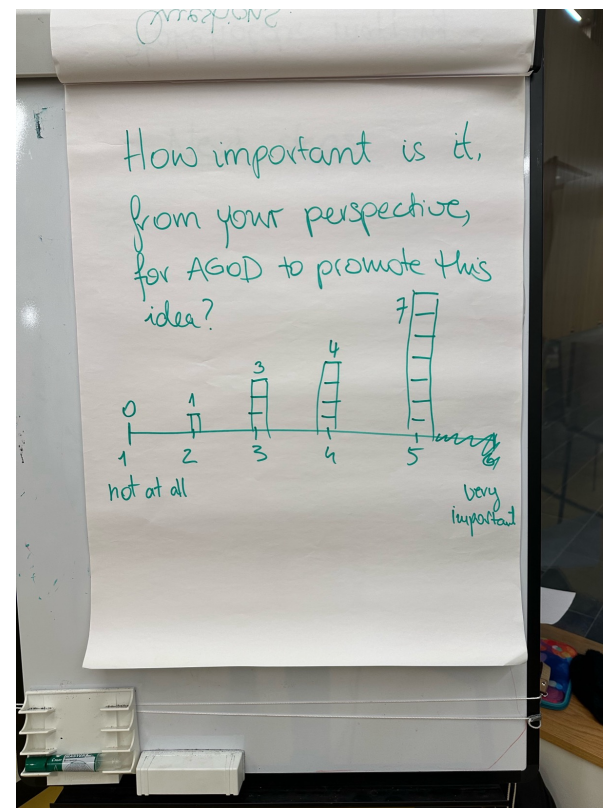
Obstacle/Resistance

Cause Effect



EU FOOD DATA SPACES: NEXT STEPS

- Further discussions are needed:
 - vision and scope
 - influence maps and key stakeholders
- Exact role and mode of action of AGoD to be defined
- Discussions continue in 2026 Q1



ANNUAL REPORT 2025

November
2025

- Table of Contents
- AGoD members draft chapters



December
2025

- Draft Annual Report presented at AGoD meeting



January 2026

- Proofreading process



March 2026

- AF approval



April 2026

- Publication



2026 DATA SYMPOSIUM

- Time: second half of 2026, back-to-back with AGoD/AF meeting
- Place: Dublin/Ireland
- Participants: AGoD, SGs, AF
- Duration: 2 days
- Content:
 - Data literacy and People& Organisational Readiness for AI
 - Dedicated physical SG meeting(s)



AG ON DATA: MEETINGS IN 2026

15 January
online

03 March
Cyprus

22 April
online

16 June
Parma

16 Sept
online

20 Oct
online

01 Dec/November
Ireland

Subgroup check-in
Progress TMT

Subgroup check-in
Progress TMT

Subgroup check-in
Progress TMT

Subgroup check-in
Progress TMT

Subgroup check-in
Progress TMT

Subgroup check-in
Progress TMT

Subgroup check-in
Progress TMT

AI for science @EFSA

AI:

AI:

AI:

Update on National AI
initiatives

AI:

AI:

Sharing MS experience

Sharing MS experience

Sharing MS experience

Sharing MS experience

Sharing MS experience

Sharing MS experience

Presentation on Data
Space Support Center

Status of Food Data
Space Cartography

Agri Data Space

TMT proposal
evaluation

Project progress TMTs
based on a template

Annual Report

Data Space Discussion
Part 2

Data Symposium 2026

Presentation by newly
starting TMTs

Data Symposium 2026

Data Symposium 2026

Project progress TMTs
based on a template

Data Space Discussion
Part 3

Evaluation of TM
project progress based
on written reports
(template)

Data Platform on
Chemicals

ECDC working group on
data

Sharing MS experience

Presentation EMA

