

# EFSA ADVISORY GROUP ON DATA

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# FOOD AND DATA



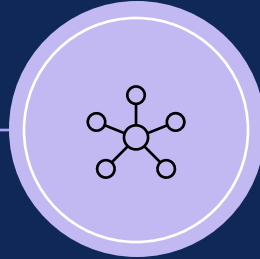
## Complexity

Increasing volume & complexity of the food chain



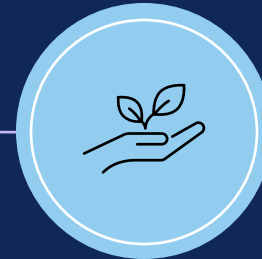
## Data

Growth of the amount of data available for analysis



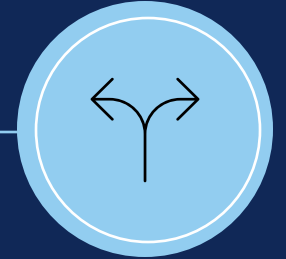
## Science

Advances in computational and complexity sciences, and AI



## Values

Increasing discussions on societal values, costs, ethics



## Decisions

Better evidence-based decision making?

**Data**



**Data  
collection**

**Data  
modelling**

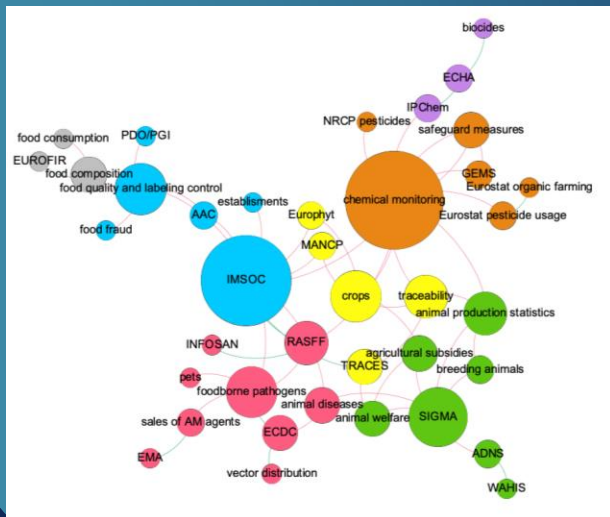
Business  
Authorities  
Academia  
Citizens

**Architecture &  
Infrastructure**

**Data  
analysis**

**People**





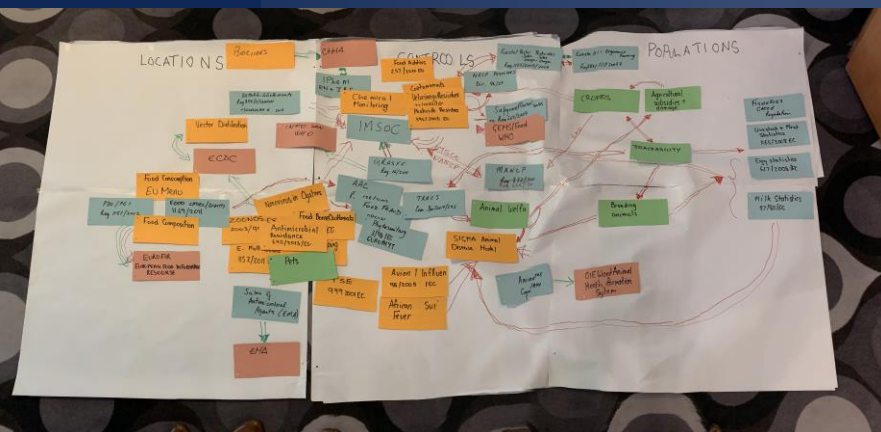
# HOW IT STARTED

## EFSA Advisory Forum **Data Collection and Data Modelling Task Force**

Kick-off: September 2018

8 meetings

Report in September 2020



### TECHNICAL REPORT

APPROVED: 3 September 2020

doi:10.2903/sp.efsa.2020.EN-1901

### Report of the Advisory Forum Task Force on Data Collection and Data Modelling

European Food Safety Authority (EFSA),  
Jesus Alvarez-Pinera<sup>1</sup>, Flemming Bager, Milo Bystrický, Susanne Ditmann Rasmussen,  
David Foster, Klemens Fuchs, Mary Gilsean, Danica Grahek-Ogden, Ákos Jozwiak,  
Sanaa Moez, Monica Neagu, Eileen O'Dea, Alessandra Perrella, Jane Richardson, Eva  
Scharfenberg, Darja Sokolic, Martina Stack, Katie Vermeersch, Koen Wienk

# TASK FORCE FINAL REPORT & RECOMMENDATIONS

## 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

## Next steps

- Quick wins defined for 2021
- Preparing ToR for a standing Advisory Group on Data



# ADVISORY GROUP ON DATA

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Started in April 2021  
26 meetings so far...

# 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

# PARTNERSHIPS



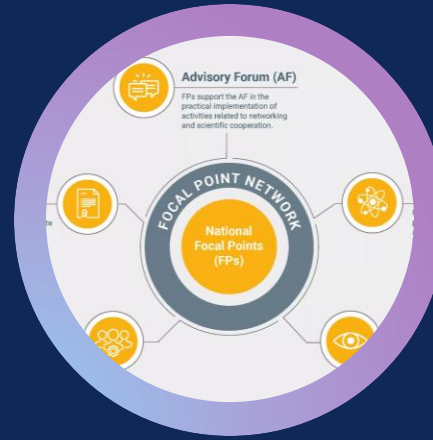
## Advisory Forum

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



# 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

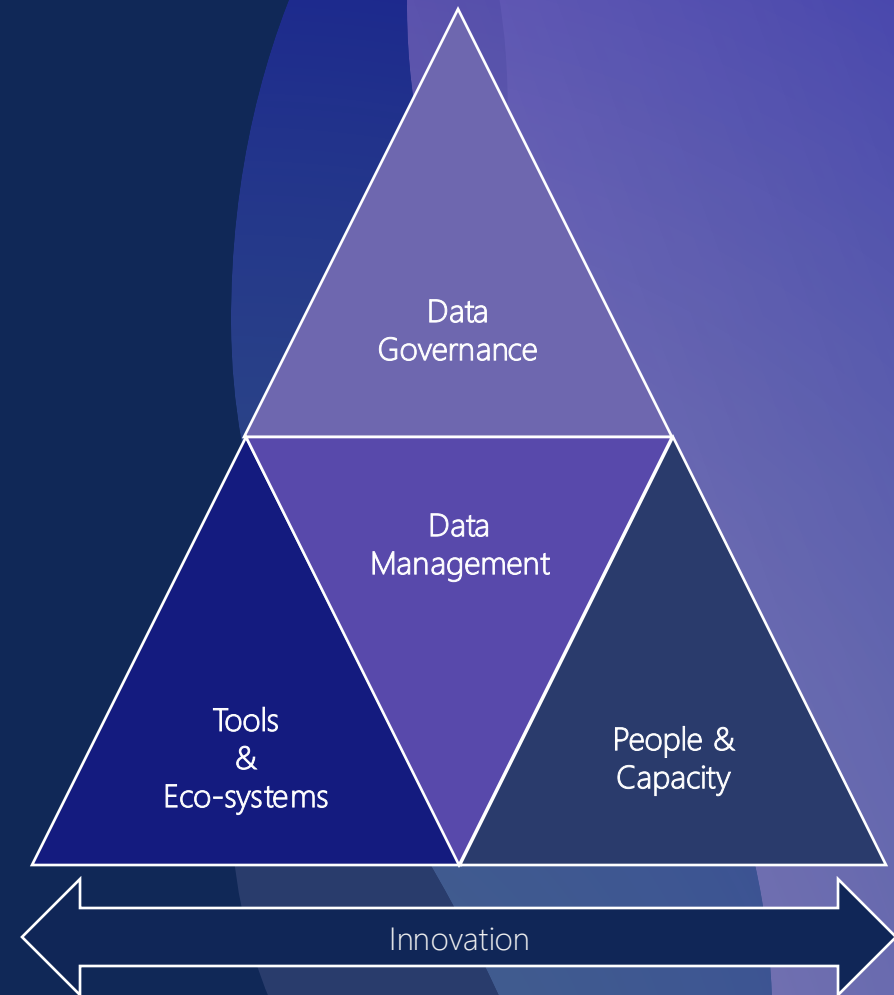
- Digital Platforms and eco-systems
- Developing and sharing tools

## People & Capacity

- Data Literacy
- Data Capacity preparedness

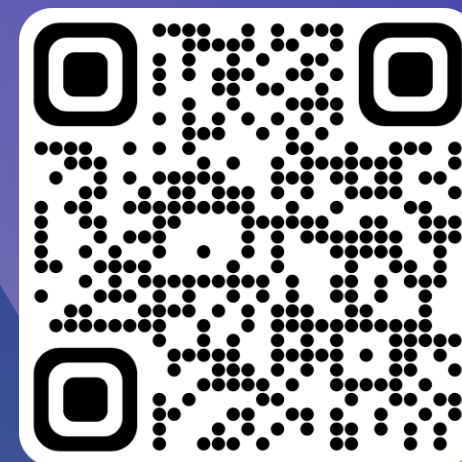
## Innovation

- Innovative data analytics
- New data streams
- AI



# 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



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Maria CORREIA (EFSA)

Nina GEORGIEVA (EC)

Giorgos GEORGIANNAKIS (EC)

Rolanas KLIUCINSKAS (EC)

Peter BOKOR (EC)

# THANK YOU

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