

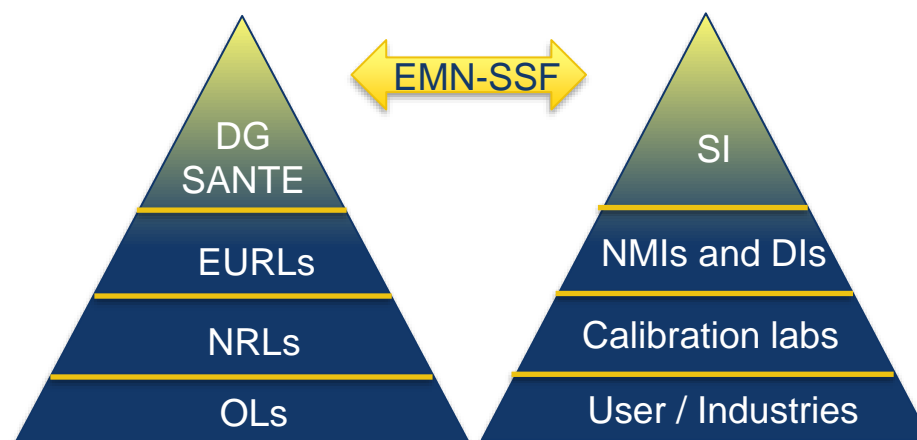
# **EMN for Safe and Sustainable Food**

Acting Chair & JNP Coordinator  
Andrea Mario Rossi, INRiM

**1-6-2022**  
**EURAMET General Assembly**

# Need

Underpin harmonization and standardization of food measurement results and support the legislation through metrological traceability



Measurements of the highest order in

- Agri-food
- sustainable development
- food provenance and authenticity
- environmental safety
- human health

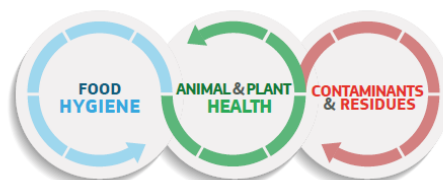


# Need



## Support for European Reference Laboratories (EURLs)

- Legislation
- EU Food Safety Policy
  - Hygiene
  - Animal health
  - Plant health
  - Contaminants and residues
- Alert System for Food and Feed (RASFF)
- European Food Safety Authority (EFSA)
- EU Food Fraud Network



The EMN prepares its Members (NMIs/DIs) for future capabilities and prioritises the development of reference procedures and materials based on the consultation of stakeholders.

♦ Kcdb The CIPM MRA database (KCDB)



# European Context

## Horizon Europe

### Pillar II

## Global Challenges and European Industrial Competitiveness



## Cluster 6: Food, Bioeconomy, Natural Resources, Agriculture and Environment

The EMN will contribute to the objectives of the:

- [European Green Deal](#)
- [Biodiversity Strategy 2030](#)
- [Farm to Fork strategy](#)
- [the European Climate Pact](#)
- initiatives under [sustainable industry](#)
- [eliminating pollution](#)
- the [long-term vision for rural areas](#)
- Sustainable Development Goals.



# JNP Food-MetNet Project Plan



European Food Safety Authority (EFSA), EURLs and NRLs, the International Union of Pure and Applied Chemistry (IUPAC), and standardisation bodies involvement to set up an advisory board to map and prioritise food safety measurement needs.



## WP1 (LGC)

**Stakeholder engagement and consultation**

Draw roadmaps to address metrological requirements along the food chain.



## WP2 (JSI)

**Strategic Research  
Agenda and plan the  
future EMN-FS**

The EMN SSF website as points of contact for EURLs, NRLs and stakeholders and for knowledge transfer.



## WP3 (BAM)

**Metrological activity  
web-platform**

Developing the EMN SSF website as a point of contact for stakeholders and a web-platform with food-related CMCs, CRMs and measurement comparisons.



**WP4 (INRIM)  
Creating impact**

Supporting the standardization activities for the benefit of regulatory bodies.

## WP5 (INRIM)

**Management and Coordination**

Excellence training course to achieve reliable measurements of analytes in food matrices for the benefit of control bodies and industry.

# EMN Scope and JNP achievement



## Stakeholder mapping

### Primary stakeholders

NIST	BIPM
KRISS	EFSA
NMISA	CEN
EURLS	IMEKO
MoniQA	Codex alimentarius

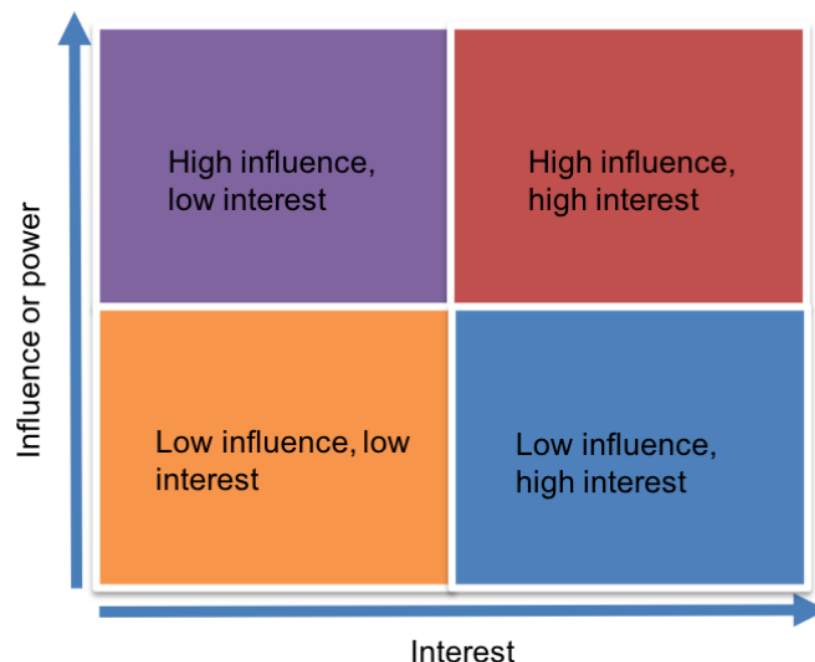
### Secondary stakeholders

#### Influence

IAEA  
DEFRA  
Fooddrinkurope  
NRLs  
EIT Food  
Food safety 4EU

#### Interest

Industry  
Industry association  
OIVE  
IOC  
Safe Food Advocacy Europe  
EUROPEN

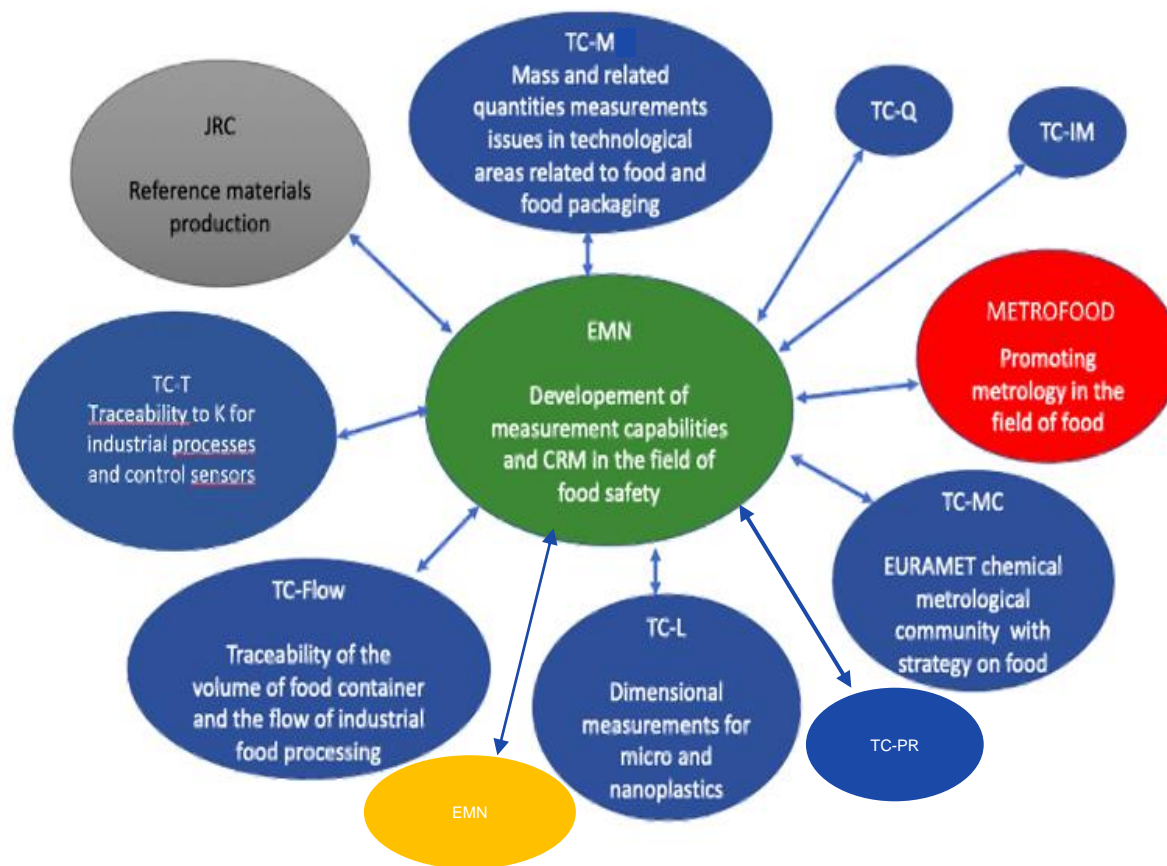


## Review of the stakeholder measurement needs



# EMN Scope and JNP achievement

## Advisory board members





# EMN Scope and JNP achievement



- ✓ Overview of the grand challenges in food safety in metrology
  - ✓ Drafting the EMN proposal
  - ✓ Drafting a Strategic Research Agenda for the EMN-SSF
    - ✓ 1 Publication and several presentation and meetings with stakeholder (e.g. METROFOOD)
    - ✓ Launching of a survey among European NMIs and DIs for collecting their interest in the future EMN activities and their engagement in terms of FTEs in the future EMN.

# EMN Scope and JNP achievement



22 EURAMET NMIs and Dis have indicated their interest and continuous support of the EMN on safe and sustainable food and will thus sign the corresponding MoU.



New members are welcome to join the EMN

Let's create **ONE VOICE FOR EUROPE** to drive **METROLOGY** in the **FOOD SAFETY** and **SUSTAINABILITY** field



Validated analytical methods to ensure food safety and sustainability

Certified Reference Materials (CRMs)

Support to reference laboratories and regulatory bodies



Thank you!



**Acting chairperson of EMN for  
Safe and Sustainable Food (EMN-SSF)  
&  
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