WP2 – Gap analysis and prioritization

WUR (RIKILT), CRAW, QUB, DEFRA, FSAI, INIA, MINEZ, SCL, CIRAD, FAO, IZSPLVA, VU-VUMC
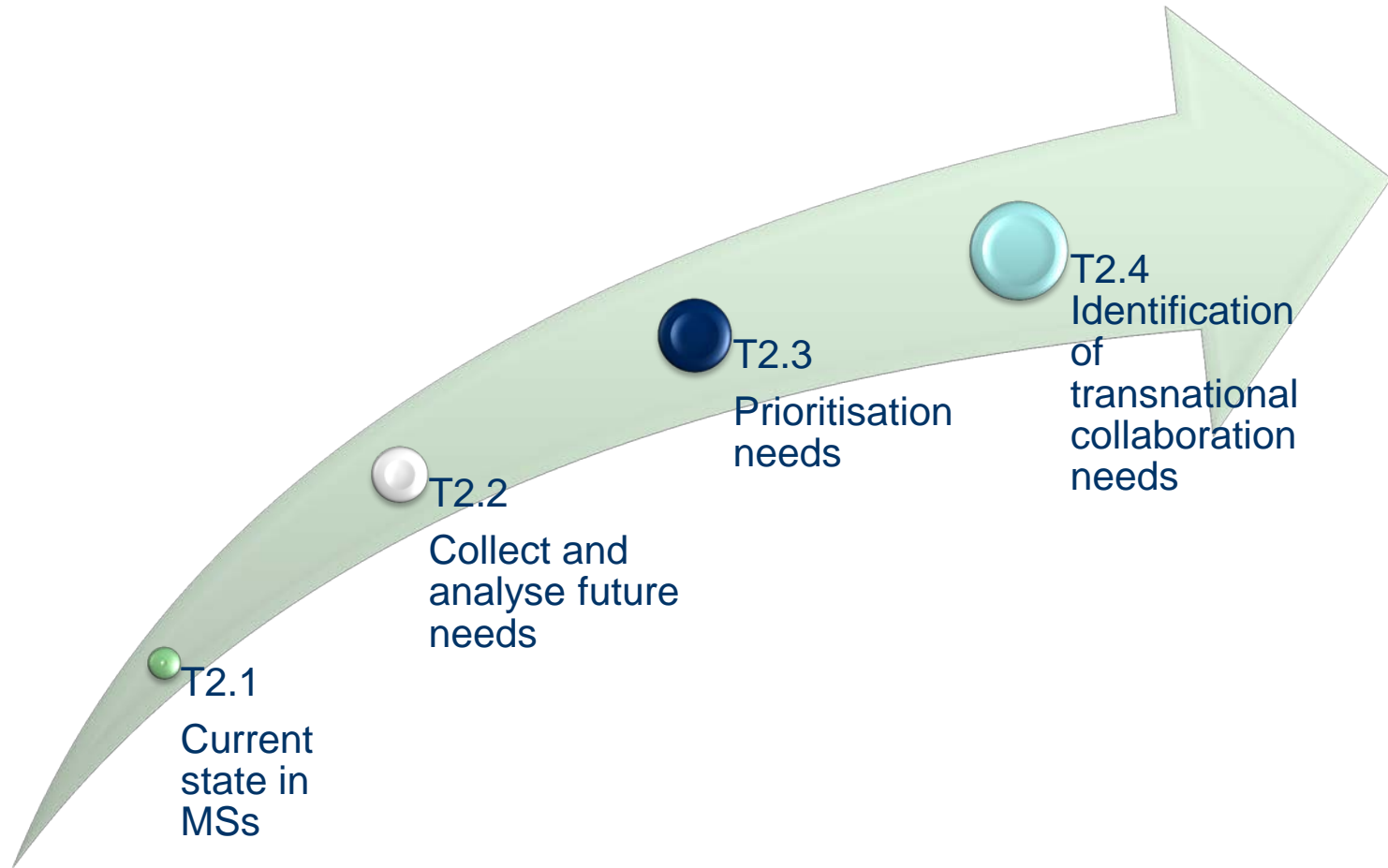
Main objective

To identify transnational **gaps between MS research needs** and the current situation in food authenticity research in order to bundle forces, maximise impact and avoid duplication.

Detailed objectives

- To map current **common interests and regional diversity** in food authenticity research in the MSs from data from WP1

- To identify and **prioritise transnational food authenticity research needs** from MS perspectives (GAP analyses)

- To provide a **direction for MS funding bodies** with regard to the transnational high level research strategy based on the current situation and needs, and identify potential coordination actions

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Tasks

T2.1
Current state in MSs

T2.2
Collect and analyse future needs

T2.3
Prioritisation needs

T2.4
Identification of transnational collaboration needs

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Deliverables

D2.1. A report mapping current common research needs and regional diversity of MSs with the remit of funding food authenticity R&D [M18] => **delivered**

D2.2. A report on the common and MS specific current research strategy, future research needs, prioritised gaps, and the requirements for future transnational food authenticity research in MSs [M23] => to be delivered
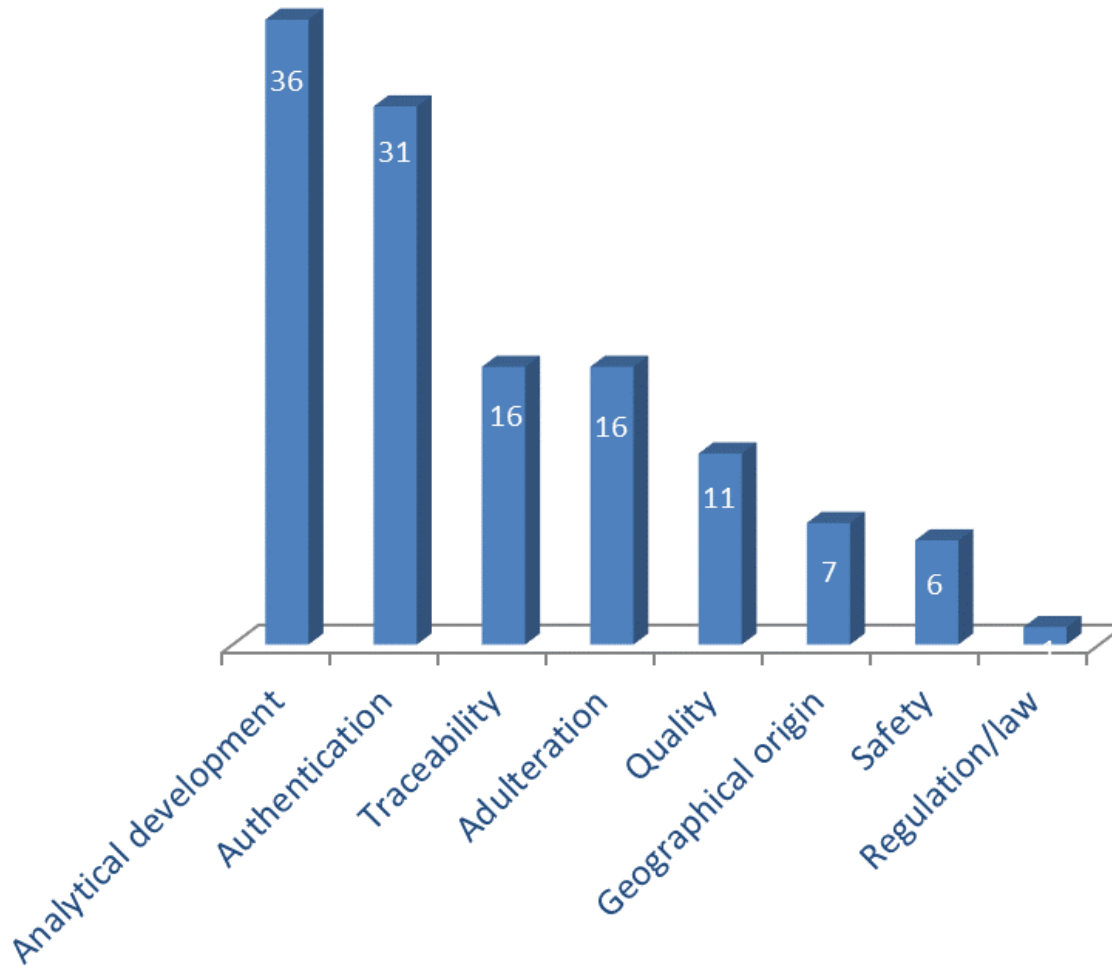
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National status reports

- 12 member states: Belgium, Czech Republic, France, Iceland, Italy, Netherlands, Spain, UK (originally present) + Bulgaria, Ireland, Romania, Hungary (added MSs)

- Current state:
  - Ongoing projects (after 2010) including national-international/public-private funded projects)

- Needs:
  - 1. Research domains
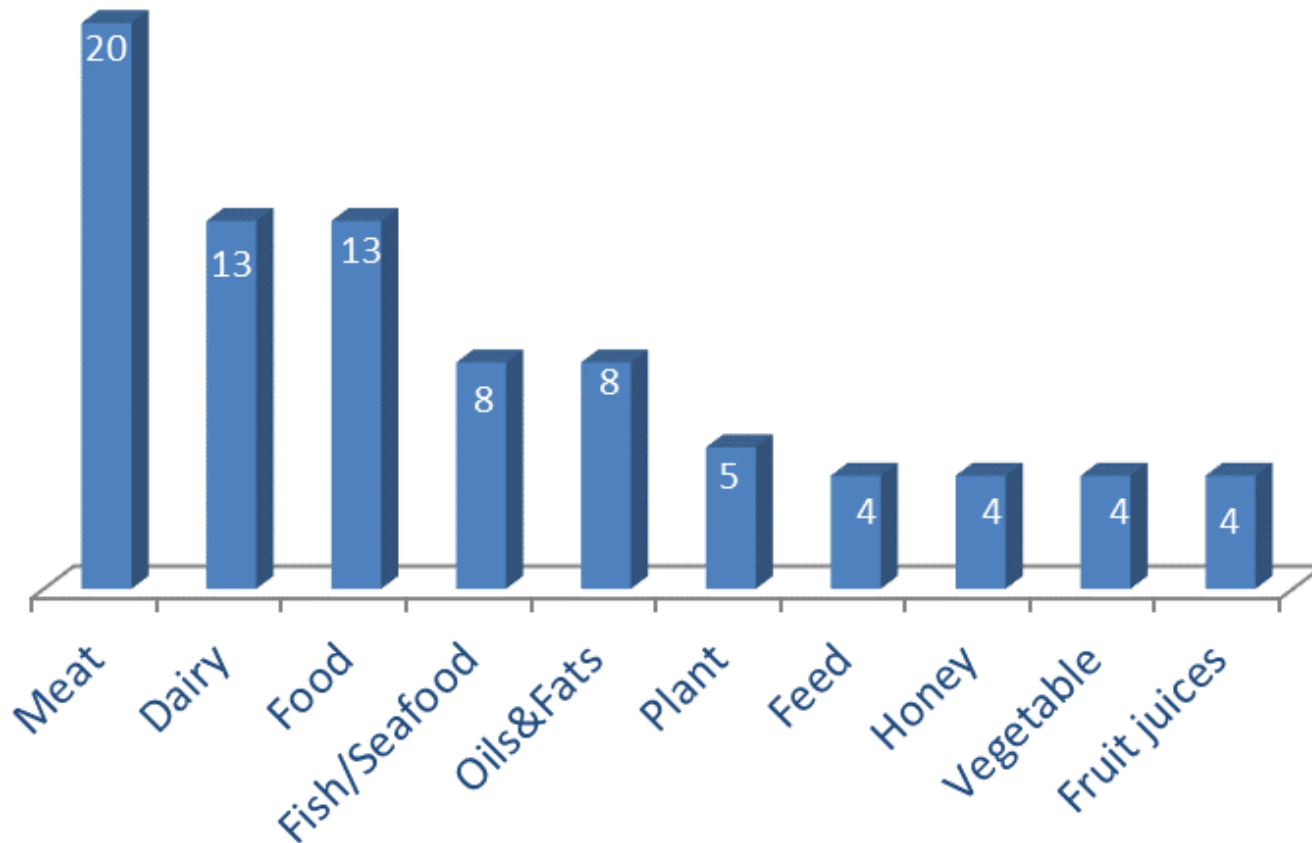 - 2. Commodities/products of interest

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Current state

CURRENT SITUATION

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Current state: Reported nr. of on-going projects, research domains in 12 MSs

Bar chart showing reported number of on-going projects by research domain:
- Analytical development: 36
- Authentication: 31
- Traceability: 16
- Adulteration: 16
- Quality: 11
- Geographical origin: 7
- Safety: 6
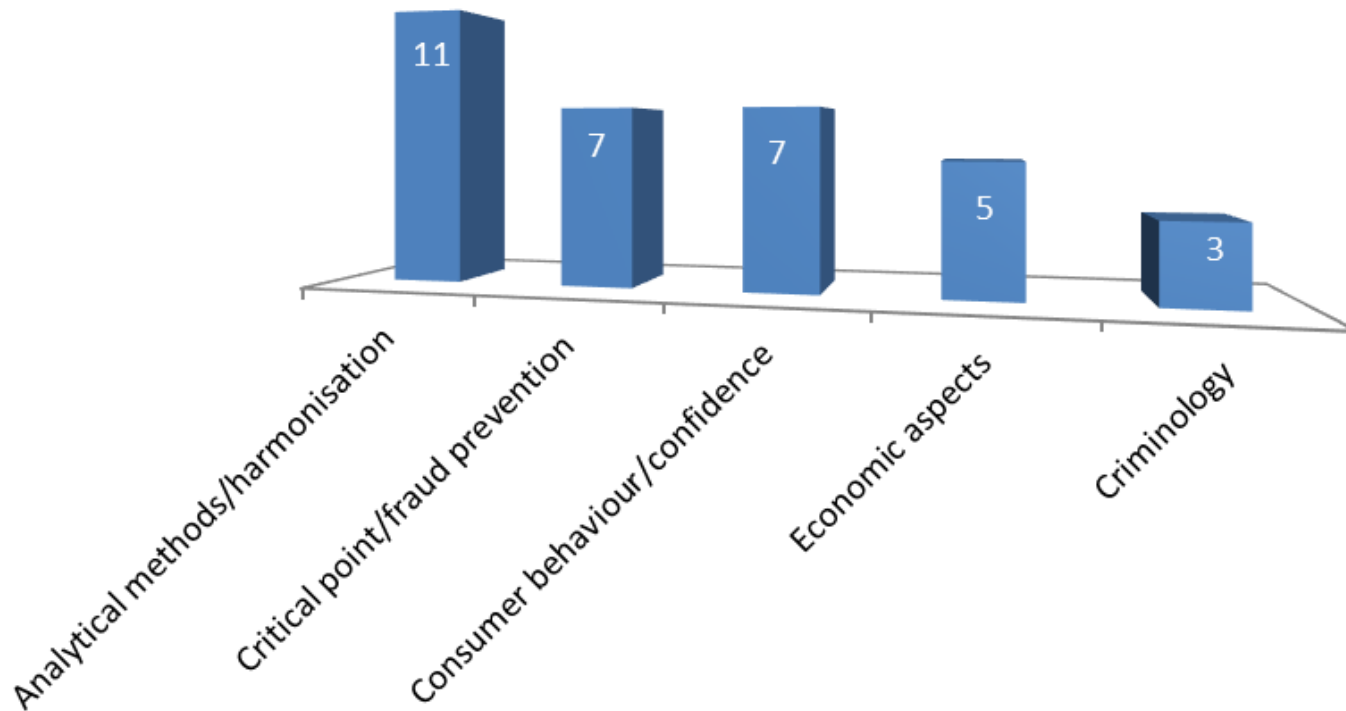- Regulation/law: (not labeled)

Current state: Reported nr. of on-going projects on various commodities in 12 MS
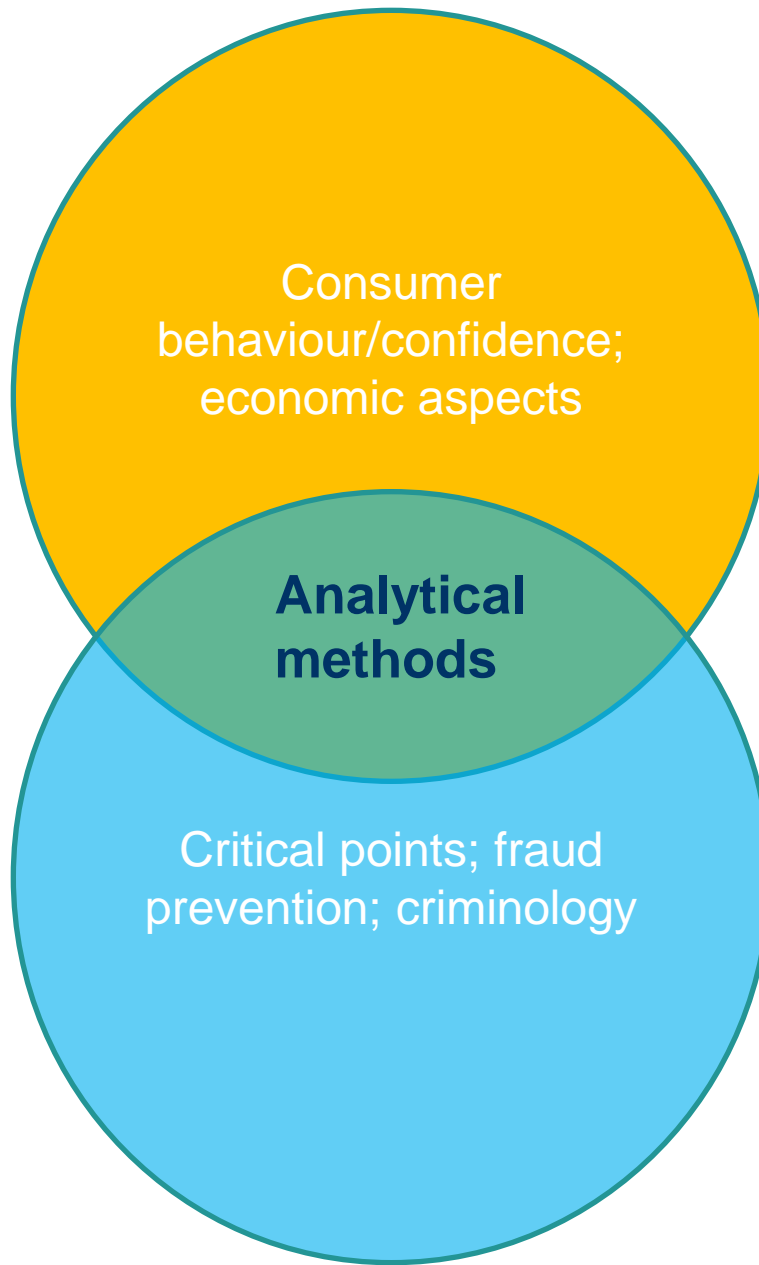
Future needs

Needs - research domains:
#MS indicating interest

=> New research domains included

Similarities and differences
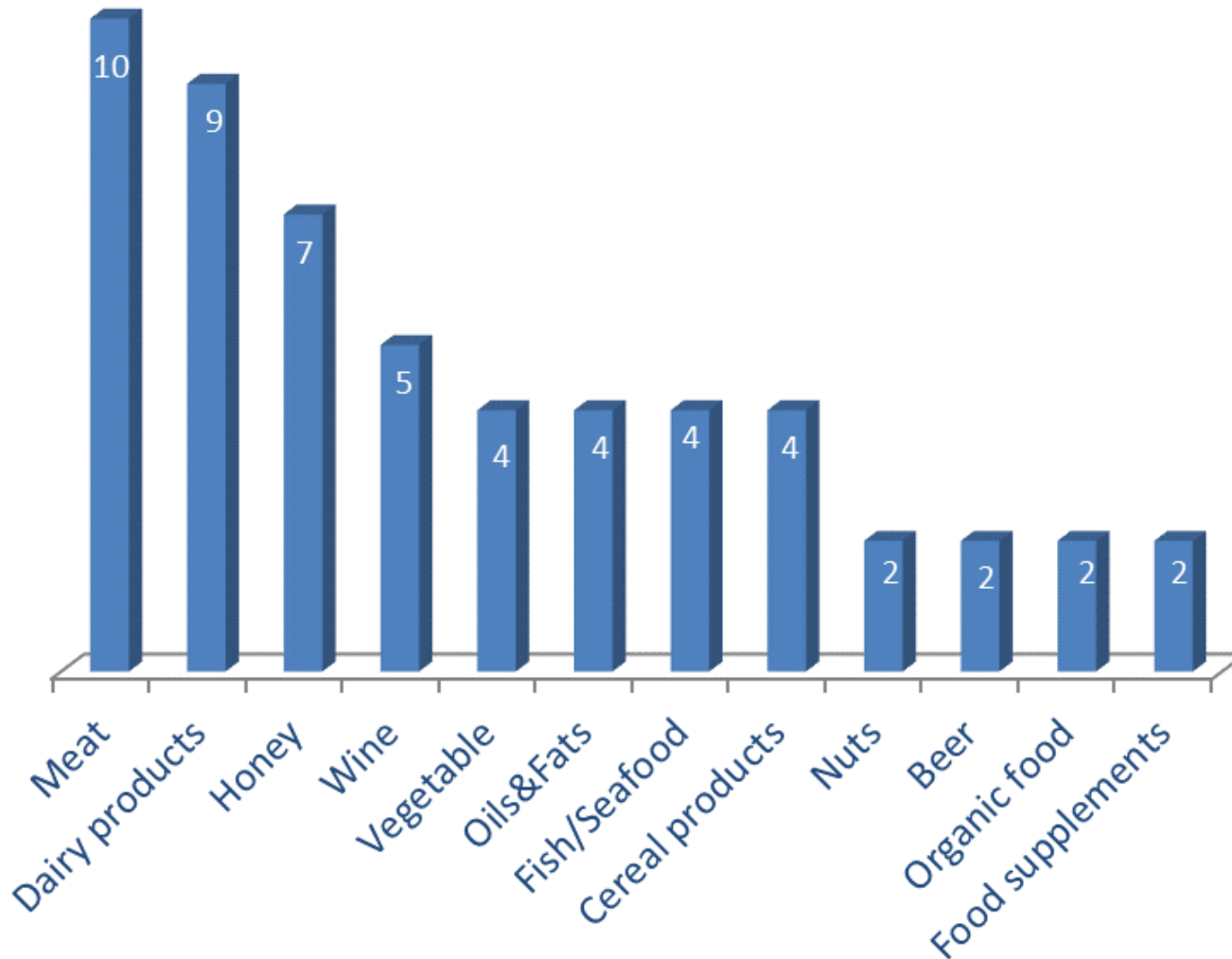
Consumer behaviour/confidence; economic aspects

Analytical methods

Critical points; fraud prevention; criminology

MS Cluster 1

MS Cluster 2

*Latent Class Clustering

Needs - commodities: #MS indicating interest

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Similarity and diversity: needs - commodities

MS Cluster 1:

Meat, dairy, fish/seafood

MS Cluster 2:

Wine, honey, cereals

*Multiple Correspondence Analysis plots and Latent Class Clustering

From NSR reports – future needs

Key research domains

- Common interest: analytical methods
- Sub-groups for:
  - (a) Consumer behavior and economic aspects
  - (b) Critical points/prevention/criminology

Key commodities

- Sub-groups for:
  - (a) Meat, dairy, fish/seafood
  - (b) Wine, honey, cereals

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Next step/discussion

To **prioritise transnational food authenticity research needs** from MS perspectives

-Funding bodies workshop tomorrow

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Final step

D2.2. A report on the common and MS specific current research strategy, future research needs, **prioritised gaps**, and the requirements for future transnational food authenticity research in MSs [M23]

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