

PRESENTATION: SCAR SWG FOOD SYSTEMS

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Technology (LT)

Baltic workshop on SCAR and bioeconomy



EUROPEAN UNION

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SCAR SWG FOOD SYSTEMS Objectives

- **Main rationale:** to provide strategic advice and support to the EU Research and Innovation policy framework FOOD2030
- **Main vision:** food systems should deliver not only food security but also nutrition security
- **Aim:** to contribute to move towards better FNS R&I policy coherence as well as FNS R&I strategic orientation

Membership and organisation

- Involves **20 Members States** and **Associated countries**: AT, BE, DE, DK, EE, ES, *FI*, *FR*, HU, IE, IT, LT, MT, NL, NO, PL, RO, SE, TR, UK, open to all SCAR participating countries that can join at a later stage.
- Timeline: **3 years** – from December 2016 to December 2019 (The youngest SCAR SWG)
- Members are:
 - Representatives of National Ministries (agriculture, rural development, research and education, economic development, health, etc.)
 - Representatives of research centres, universities.
 - Representatives of 3 JPIs (FACCE, HDHL, OCEANS)
 - Representatives of the EC.
- Three meetings per year

SWG FOOD SYSTEMS Priorities

SWG FS priorities (February, 2017):

1. *Monitoring Food Systems: outcome in light of governance and future proofing*
2. *Increasing diversity among food systems*
3. *“Food environment” drivers and outcomes*



Mapping exercise *Achieved*

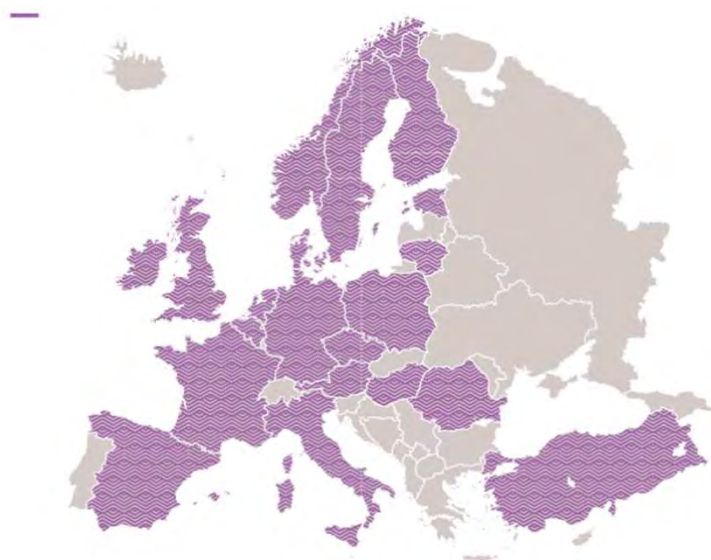


Assessment of Research and Innovation on Food Systems by European Member States

This mapping exercise has provided a baseline assessment of:

- Public R&I funding related to the food systems and their alignment to the FOOD2030 at national and regional levels (*quantitative mapping component*)
- Existing policies and strategies that are linked to Food and Nutrition Security (FNS) and Bioeconomy policy in each member States. It describes the specific situation in each country and the ambitions to achieve (*qualitative mapping component*)

Mapping Food System



qualitative mapping 21 MS

doi: 10.2777/617772



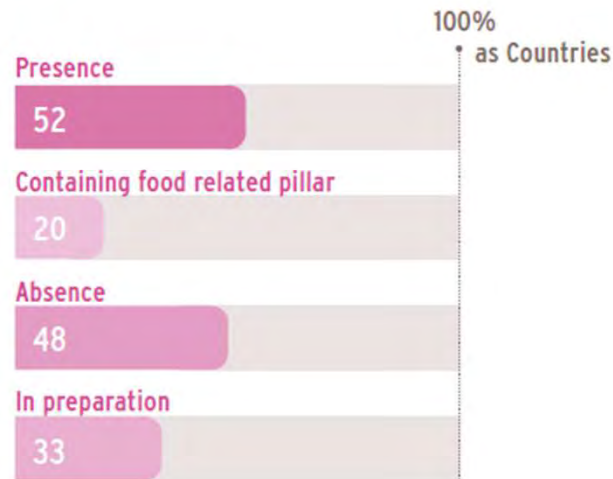
Quantitative mapping – 11 MS

Quantitative Mapping of R&I funding

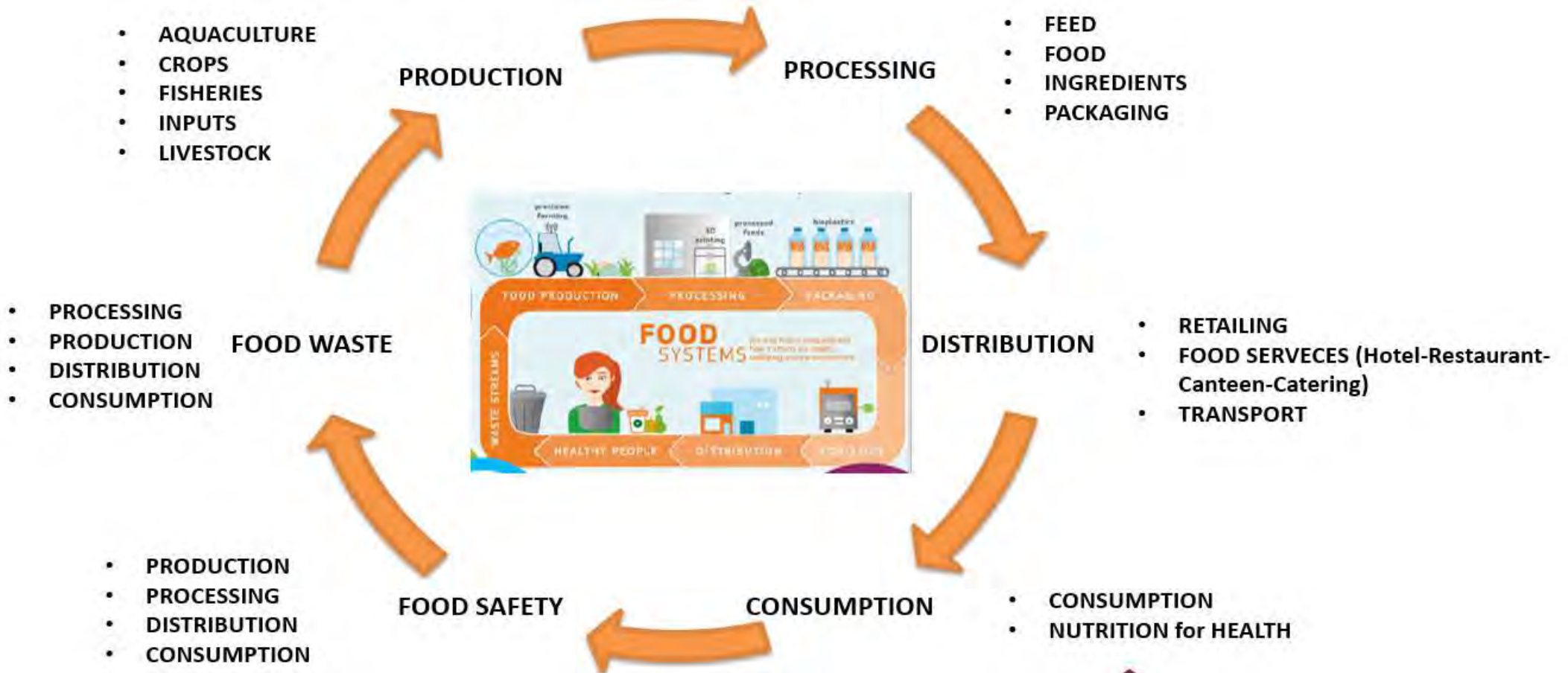
Figure 4: Existing policies and strategies on the scope of Food and Nutrition Security (21 MS or Associated Countries)



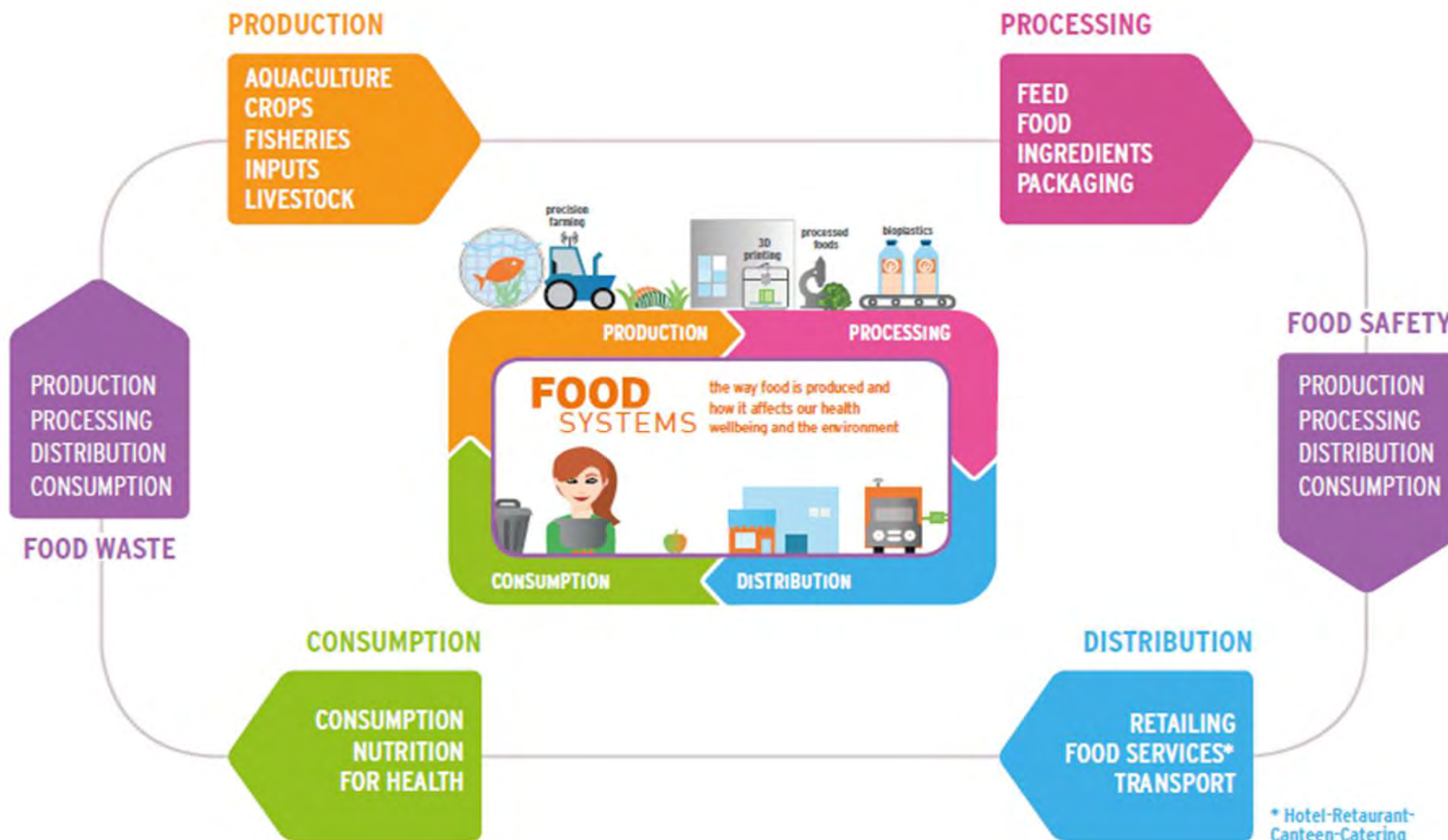
Figure 5: Existing Bioeconomy strategy (21 MS or Associated countries)



Quantitative Mapping of R&I funding: Food System Categories and Sub-categories



Quantitative Mapping of R&I funding: Food System



* Hotel-Restaurant-Canteen-Catering



CASA, Support to SCAR

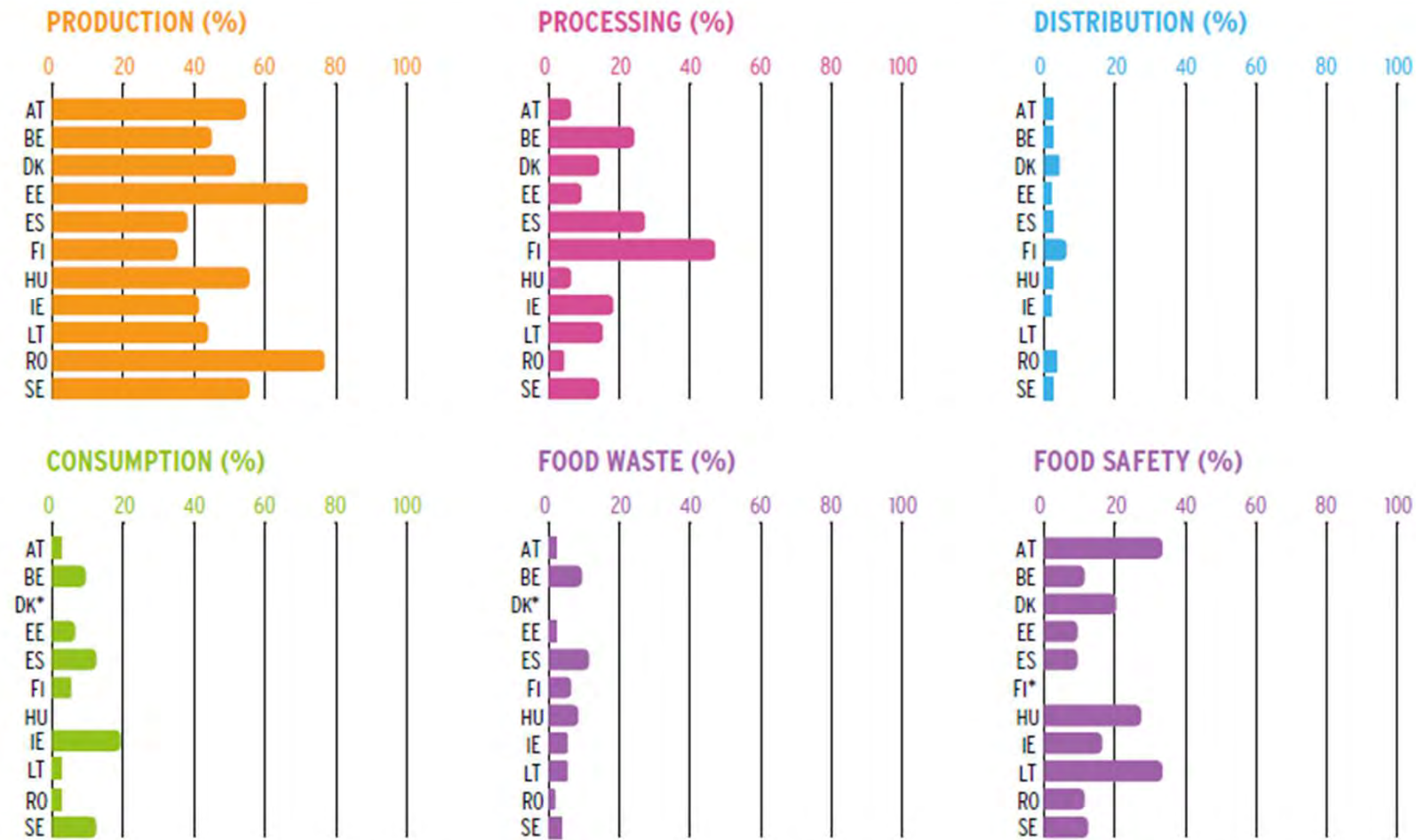
Quantitative Mapping of R&I funding: Food System

COUNTRY	PRODUCTION (%)	PROCESSING (%)	DISTRIBUTION (%)	CONSUMPTION (%)	FOOD WASTE (%)	FOOD SAFETY (%)	TOTAL EURO	PROJECTS (NUMBER)	YEARS UNDER REVIEW
AT	56	6	2	2	1	33	9,419,900	47	2011 to 2017
BE	46	24	2	8	9	11	184,315,650	611	2012 to 2016
DK*	53	14	4	n/a	n/a	20	176,107,383	n/a	2014
EE	74	9	1	6	1	9	12,030,623	95	2012 to 2016
ES	39	27	2	12	11	9	907,684,455	3,355	2012 to 2016
FI	36	47	6	5	6	n/a	162,048,477	928	2011 to 2016
HU	57	6	2	0,2	7,8	27	85,964,359	216	2012 to 2016
IE	41	18	1	19	5	16	155,311,931	755	2012 to 2016
LT	45	15	0	2	5	33	10,667,261	183	2011 to 2016
RO**	79	4	3	2	1	11	24,821,672	112	2011 - 2013 - 2015
SE	57	14	2	12	3	12	183,683,776	667	2011 to 2016

* 9% of DK mapping falls under an "other" category. n/a data not available, due to the timing of the mapping

** RO data based on main projects' competitions only

Quantitative Mapping of R&I funding: Food System



* Data not available.

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FOOD 2030 Priorities

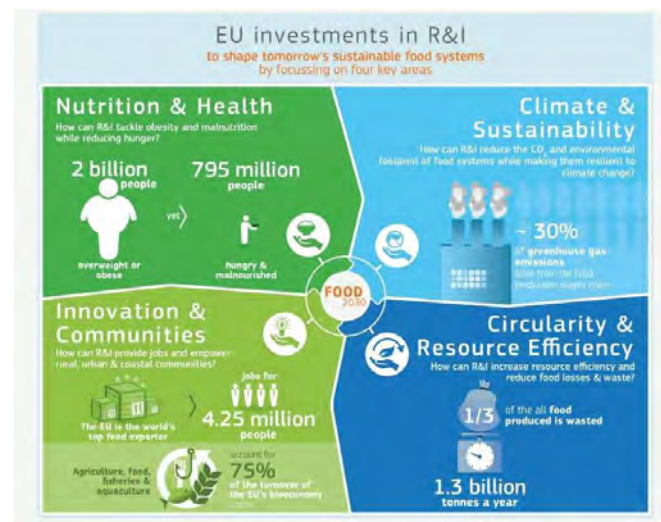
FOOD 2030 Key areas to shape food system:

NUTRITION for sustainable and healthy diets

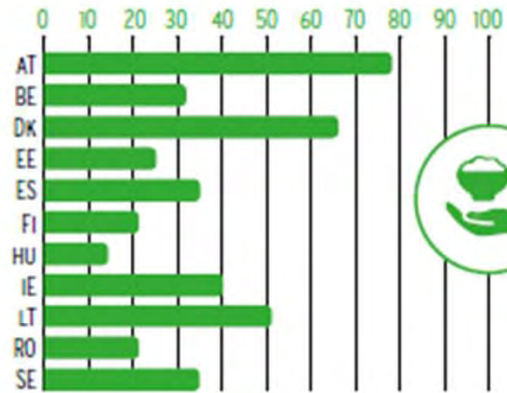
CLIMATE smart and environmentally sustainable food systems

CIRCULARITY and resource efficiency of food systems

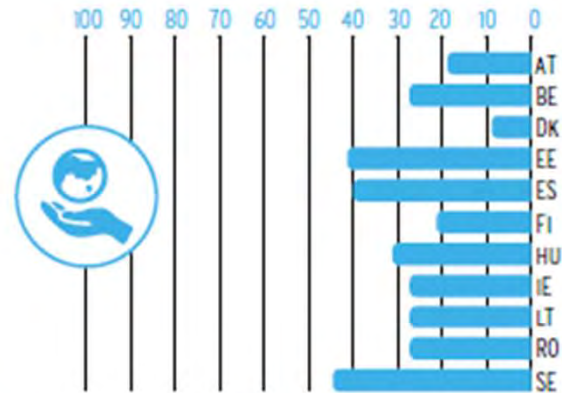
INNOVATION and empowerment of communities



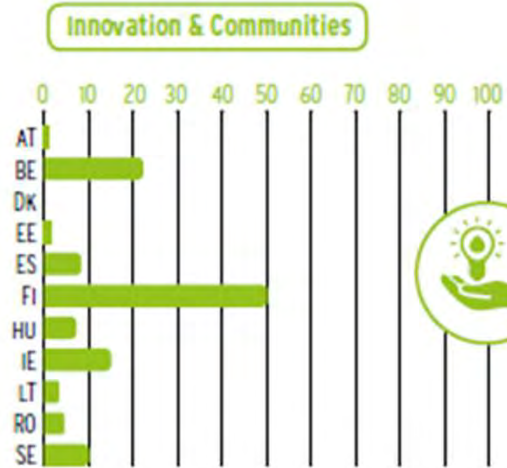
Data / FS priorities



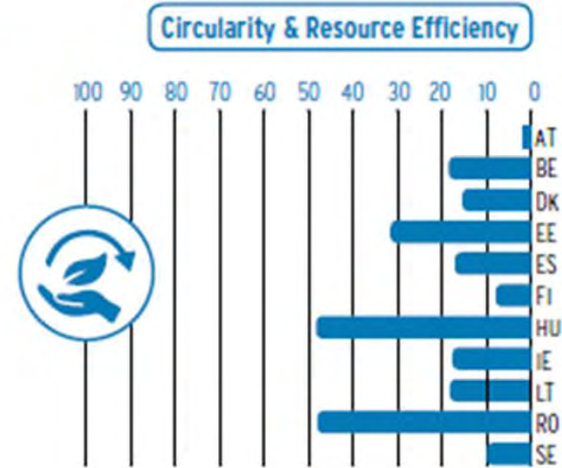
Nutrition & Health



Climate & Sustainability



Innovation & Communities



Circularity & Resource Efficiency





Mapping exercise *Results*



Assessment of Research and Innovation on Food Systems by European Member States

- Mapping reveals the fragmentation of the R&I investment
- Policies and investments focus on primary production and food processing
- Limited interest in food systems shown by non-primary production stakeholders
- Low input in consumption
- FNS has not been well covered by current integrated policies.
- Agriculture, food production, food safety have benefitted from R&I investment
- Food innovation and nutrition linked to health are less represented



Monitoring Food Systems: outcome in light of governance and future proofing *ongoing activity*



- SCAR FS SWG **Study** on *Synthesis of existing food systems studies and research projects in Europe*
- the study analyses more than 50 recent studies and projects, which have applied a food systems approach and identifies the value added of a food systems approach in relation to the roles for R&I in the process of food systems transformation:
- Understanding food system complexities and challenges;
- Exploring and designing innovation and policy options for overcoming food system challenges;
- Implementing interventions and evaluation of the evidence on impact;
- Anchoring and scaling of food systems change.

Diversifying Food Systems in the Pursuit of Sustainable Food Production and Healthy Diets

Diversity in food systems is a **driver for change** by improving direct interactions between food producers and consumers, increasing the quality of diet for a better health, or fostering local processors.

Objective:

- Raise awareness of member states on all aspects and impacts of decreasing/increasing diversity across whole food systems
- provide a policy recommendations paper on the role of diversity in food system and how to promote it at national, regional and European level.



Diversifient Food Systems

ongoing activity



Workshop on *Diversifying Food Systems in Pursuit of Sustainable Food Production and healthy Diets* to be held on **May 14th**, in **Paris**, at The French Ministry of Agriculture and Food, from 10:00 to 16:30

Registration online: <https://enquetes.inra.fr/index.php/556599?lang=en>

For further information, please contact: anastasiya.terzieva@inra.fr

Collaboration

- Oct. 2017, Brussels (BE): joint workshop with **SCAR AKIS**: *“Agri-food SMEs collaborating for innovation along the supply chain – What, Why, How?”*
- April 2018, Rome (IT): Joint workshop between **AKIS, ARCH** and **FS SWG** on *“Programming Research and Innovation for Improved Impact”*
- June 2018, Plovdiv (BG): Joint workshop between **FS SWG** and **JPIs FACCE, HDHL** and **OCEANS**: *“Future-proofing our food system”*
- **FIT4FOOD2030 project** collaboration on WP2 and WP4

- Mapping report: *“Assessment of Research and Innovation on Food Systems by European Members States”* - done
- Policy brief: *“Programming Research and Innovation for Improved Impact”* – done
- Study: *“Synthesis of existing food systems studies and research projects in Europe”* –to be provided soon
- Policy brief: *“Lessons from food systems research in Europe: Implications for the R&I agenda”* – to be provided soon
- Position paper: *“Future proofing food system”* –in progress
- Policy recommendations: *“Diversifying Food Systems in the Pursuit of Sustainable Food Production and Healthy Diets”* –in progress

- **Lithuania:**

Dr. Alvija Šalaševičienė, Kaunas University of Technology

Dr. Loreta Bašinskienė, Kaunas University of Technology

- **Estonia:**

Piret Priisalu, Ministry of Rural affairs, Food Safety Department

- **Latvia:**

No representatives



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THANK YOU

For your attention

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