

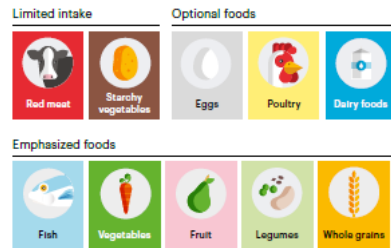
# Innovation Vision in European Partnership

for Sustainable food systems for people, planet and climate

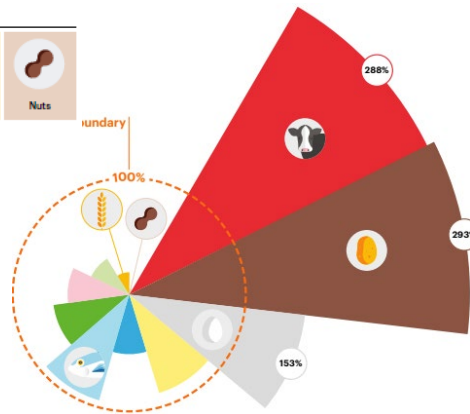
Daniela Lüth, DG RTD, Unit „Bioeconomy and Food Systems“  
Core Organic Cofound Final Research Seminar

18/05/2022

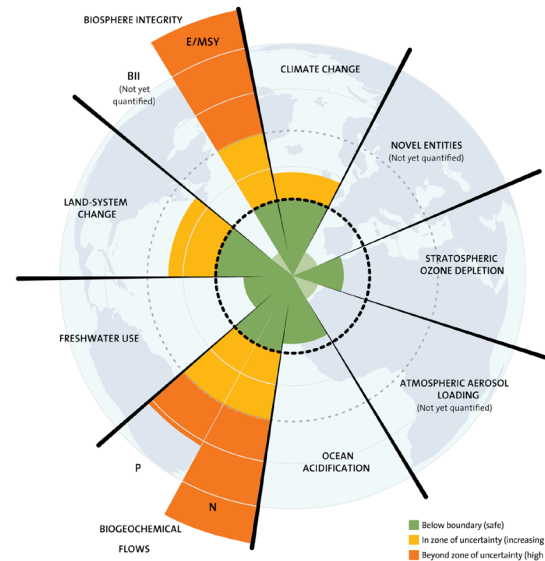
# Why we need a European partnership on Sustainable Food Systems?



## Overconsumption



## Planetary boundaries

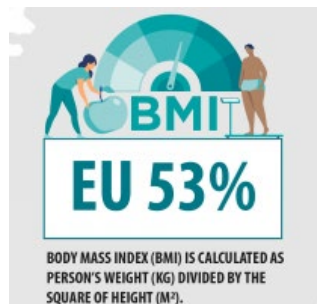


Adapted from Gianluca Brunori, FACCE JPI, Univ PiSA

## Food waste

In the EU, around **88 million tons** of food waste are generated annually ([FUSIONS, 2016](#)).

This is equal to:  
174 kg per person or  
143 billion euros or  
170 000 000 tons of CO<sub>2</sub> (=5% of the total EU GHG emissions).



# What is the Sustainable Food Systems (SFS) Partnership about?

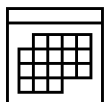
The objective of SFS is ‘**to collectively develop and implement an EU-wide committed research and innovation partnership to accelerate the transition towards healthy diets that are safe and sustainably produced and consumed in resilient EU and global food systems**’

The Sustainable Food Systems Partnership will:

- **coordinate, align, and leverage European and national R&I efforts to future-proof food systems for co-benefits** through an integrated and transdisciplinary systems approach.
- **provide the scientific evidence, as well as the collaborative experience among practitioners and citizens**, to support the transformation of local, national, European and global food systems around the following **research and innovation missions**.



[Candidates for European Partnerships Cluster 06 | European Commission \(europa.eu\)](#)



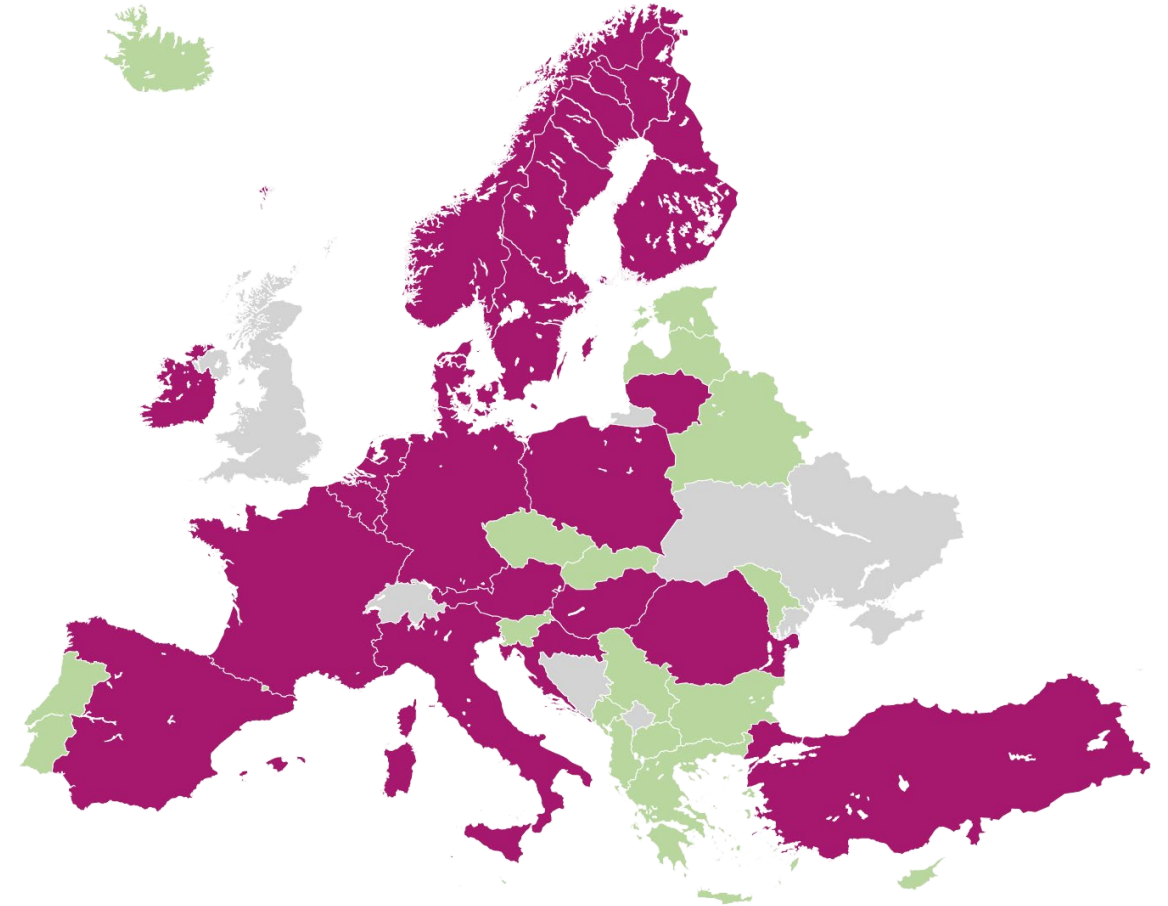
Strategic and Research and Innovation Agenda to be finalized in 2023, Open consultation will follow

# SCAR Food Systems SWG as a co-creation platform for partnership



## Mission SCAR FS SWG

- Provide strategic advice, orientation, and support to the EU R&I policy framework FOOD2030, and to Cluster 6 of Horizon Europe.
- Contribute to the successful implementation of the Farm to Fork strategy, as well as the UN SDGs and the COP 21 commitments.
- Promote the development and shaping of the food system R&I policy implementation at EC level.



Overview members SCAR FS - update March 2022

# SFS partnership – Intervention logic

Work in progress

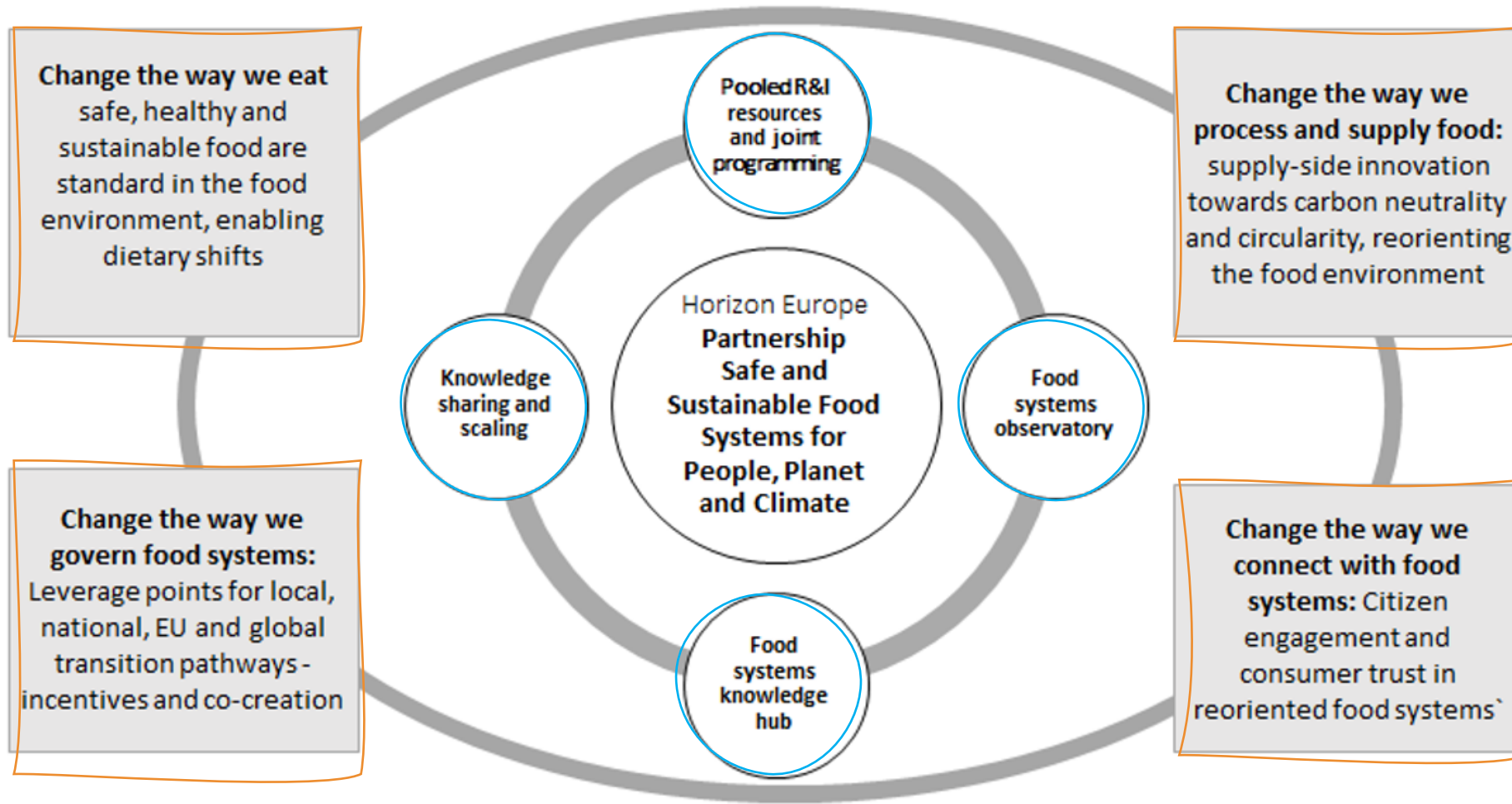
Impact (what we like to achieve)			
A European Sustainable food system in 2050 and beyond based on inter-connected, territorialized, Sustainable Food Systems (being fair, safe, healthy, biodiverse...)			
<b>Outcomes:</b> EU-wide functioning Partnership, based on collective and inclusive actions, providing the knowledge base for realizing European SFS Policies Strong foundation for a European SFS Research Area, connected to global initiatives, with harmonized EU-wide policies and regulations, while respecting locally diverse contexts			
<b>General objective ('we like to'):</b> Understand <u>what SFS are</u> , how they function and how to enable their development; Demonstrate that the partnership ' <u>systemic approach</u> ' functions as a <u>catalyst</u> – for many FS actors – to jointly transform FS into SFS (also beyond the lifetime of the Partnership); Ensure that the <u>well-governed Partnership</u> contributes to SFS via frameworks and evidence-supporting policy options for EC objectives in F2F, missions, Green Deal and the UN-SDGs; Co-create with various actors in a diversity of Living Labs to develop SFS concepts.			
<b>Specific objectives (leading to concrete outputs / results):</b> i. Deepen insights in SFS research and innovation in particular in 4 thematic areas, all considered from a FS lens and supporting transition through Living Labs; ii. Develop an innovative, systems approach that changes our way of collaborative working in RIPE activities; iii. Establish a vibrant epistemic community based on common rules, joint activities, and pooled resources that works together with related Partnerships.			
<b>R&amp;I&amp;P&amp;E Activities (R= research, I=Innovation, P = science-policy interface, E = education)</b>			
<b>Thematic Activity Area 1: <u>Change the way we eat:</u></b> Transition to healthy & sustainable diets everywhere: shifting to dietary patterns and sustainable consumption of safe, healthy, nutritious, affordable, accessible, equitable and culturally acceptable foods while tackling malnutrition in all its forms and promoting health.	<b>Thematic Activity Area 2: <u>Change the way we process and supply food:</u></b> supply-side innovation towards carbon neutrality and circularity, reorienting the food environment	<b>Thematic Activity Area 3: <u>Change the way we connect with food systems:</u></b> Citizen engagement and consumer trust in reoriented food systems	<b>Thematic Activity Area 4: <u>Change the way we govern food systems:</u></b> Leverage points for local, national, EU and global transition pathways, co-creation, including private ones like F2F code of conduct & local initiatives (e.g. cities)
<b>Transversal Activities</b>			
<b>Transversal Activity A: <u>Pooling R&amp;I resources and programming.</u></b> Joint transnational R&I support via project funding and alignment of funding priorities and mechanisms enabling multi-actor and systems approaches	<b>Transversal Activity B: <u>Launching a Food systems observatory</u></b> Platform for sharing metrics, data and assessments on the sustainability performance of food systems	<b>Transversal Activity C: <u>Establishing a FS Knowledge Hub</u></b> for complex FS, transformative research and FS-labs on systemic innovations at different scales (using a 'vitrine' for demo's)	<b>Transversal Activity D: Knowledge sharing, and scaling</b> Adapting knowledge systems, innovation & demo platforms and science-policy interfaces for ensuring impact
<b>Process cycle (for all Activity Areas)</b> Foresighting & planning (strategy & portfolio management), acting and developing (collaborative activities in FS labs), monitoring (via KPI's), analysing and assessing, learning and deliberating, sharing and scaling, feeding back and adapting (the cycle of activities in different contexts), Impacting and strengthening (ERA)			
<b>Contributions to EU Policies &amp; International Initiatives, like</b> Farm to Fork Strategy, Green Deal; Common Agricultural Policy / Common Fisheries Policy; Bilateral & Global Trade Policies; Circular Economy action plan, Blue Economy; Sustainable Aquaculture; Biodiversity Strategy; Single market for Green Products; Europe's Digital Decade; 2030 Climate Target Plan; Waste Framework Directive; Bioeconomy Strategy and Action Plan; Zero pollution action plan; Food2030; Open Science Policy, FAO/WHO ICN2 Rome Declaration & Framework for Action (FfA) 2014; 2030 Agenda for sustainable development & SDG, 2015; United Nations (UN) Decade of Action on Nutrition 2016-2025; EC-HLEG- International Platform for Food Systems Science (IPFSS) in food systems transformation 2022.			



# The SFS partnership will search for solutions to complex challenges through R&I by its **four thematic areas** and its **four activities**

Enable R&I to drive food systems transformation processes

Work in progress



# Four activities – in detail

Work in progress

## Establishing a food systems knowledge hub

- Identify, build on and make available **relevant knowledge and experience**
- Encompass a **network of transformative R&I labs** (FS-labs) for the co-creation of systemic innovations at transnational, national or subnational level.
- Deliver science-based joint protocols, benchmarks, methodologies and tools for FS approaches in R&I action.

## Knowledge sharing and scaling

- Adapting knowledge systems, innovation platforms and science-policy interfaces for ensuring impact
- Joint protocols and methodologies for designing, organising and evaluating food system lab activities

## Pooling R&I resources and programming

- **Competitive calls** based on **SRIA** will fund impact oriented R&I
- **Agenda-setting** and **legal frameworks** for involving **industry** and **SMEs** representatives in programming and for involving **SMEs** in projects
- **Coordinated calls**
- **R&I projects** involving collaboration with R&I organisations in **non-Europe countries/Africa**

## Launching a food systems observatory

- a **European platform** and **network** to follow and describe status/ challenges/sustainability of EU Food Systems
- will **assist decision makers** and **stakeholders** with updated assessments and trends different scales.
- will develop **methods for assessment** of food system sustainability using data and modelling, EU in the global context

# Thank you



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