FORMAS

VINNOVA
Sveriges innovationsmyndighet

Infoseminarium - 7 december 2022

Framtidens europeiska FoI-program för hållbara livsmedelssystem

Partnerskap Sustainable Food Systems

7 december 2022

Agenda

- Britta Fängström: Hur Formas bevakar EU-partnerskap inom livsmedelsområdet
- Marie Vaadre, Vinnova: Horisont Europa
- Dr Minna Huttunen, Ministry of Agriculture and Forestry, FI (in english): Introduktion till Partnerskapet & SCAR
- Camilla Sjörs, Vinnova & Alexandre Dubois, Formas: Inblick i den preliminära FoI-agendan (SRIA)
- Frågor och svar (använd Q&A!)

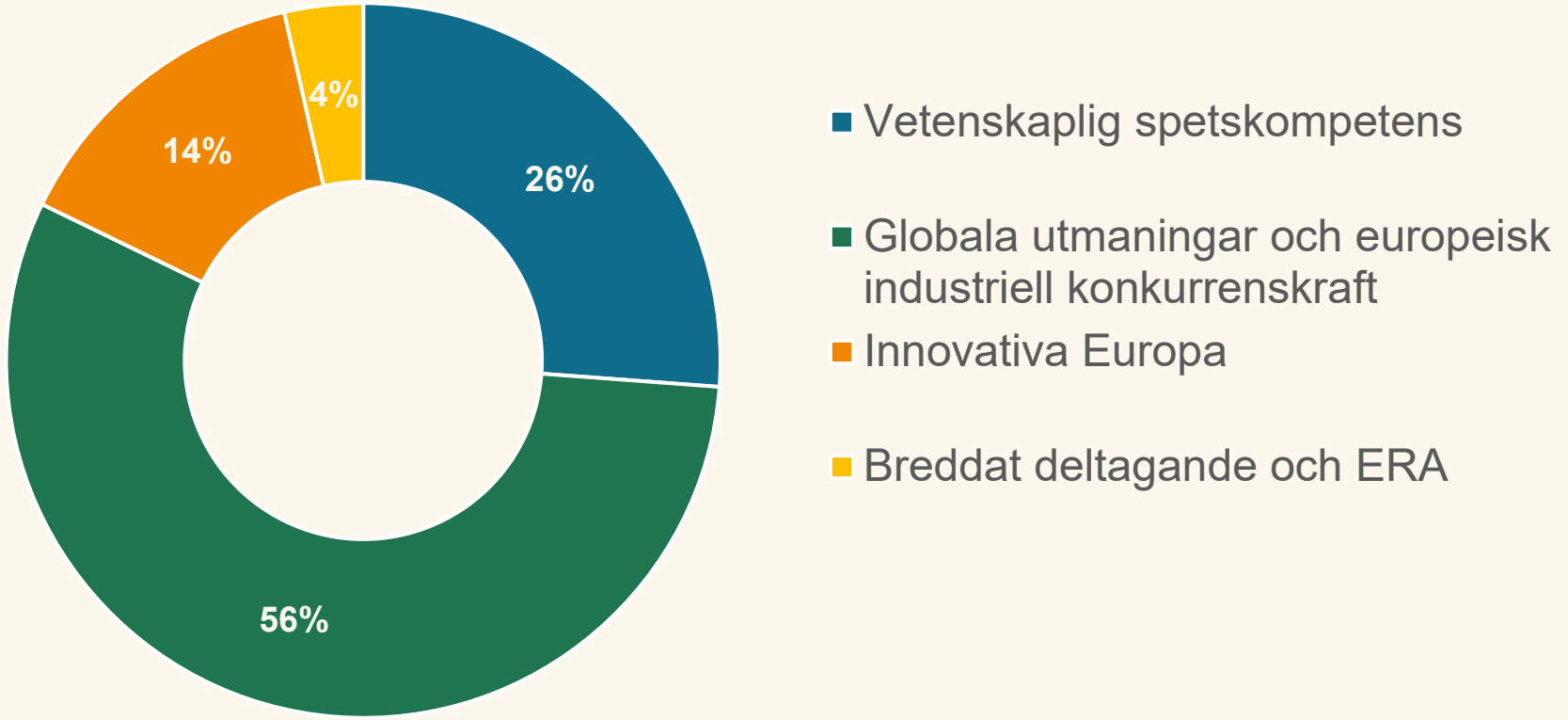
FORMAS

Britta Fängström, Formas

Horisont Europa

Horisont Europa 2021 – 2027

Horisont Europa budget: €95.5 billion.



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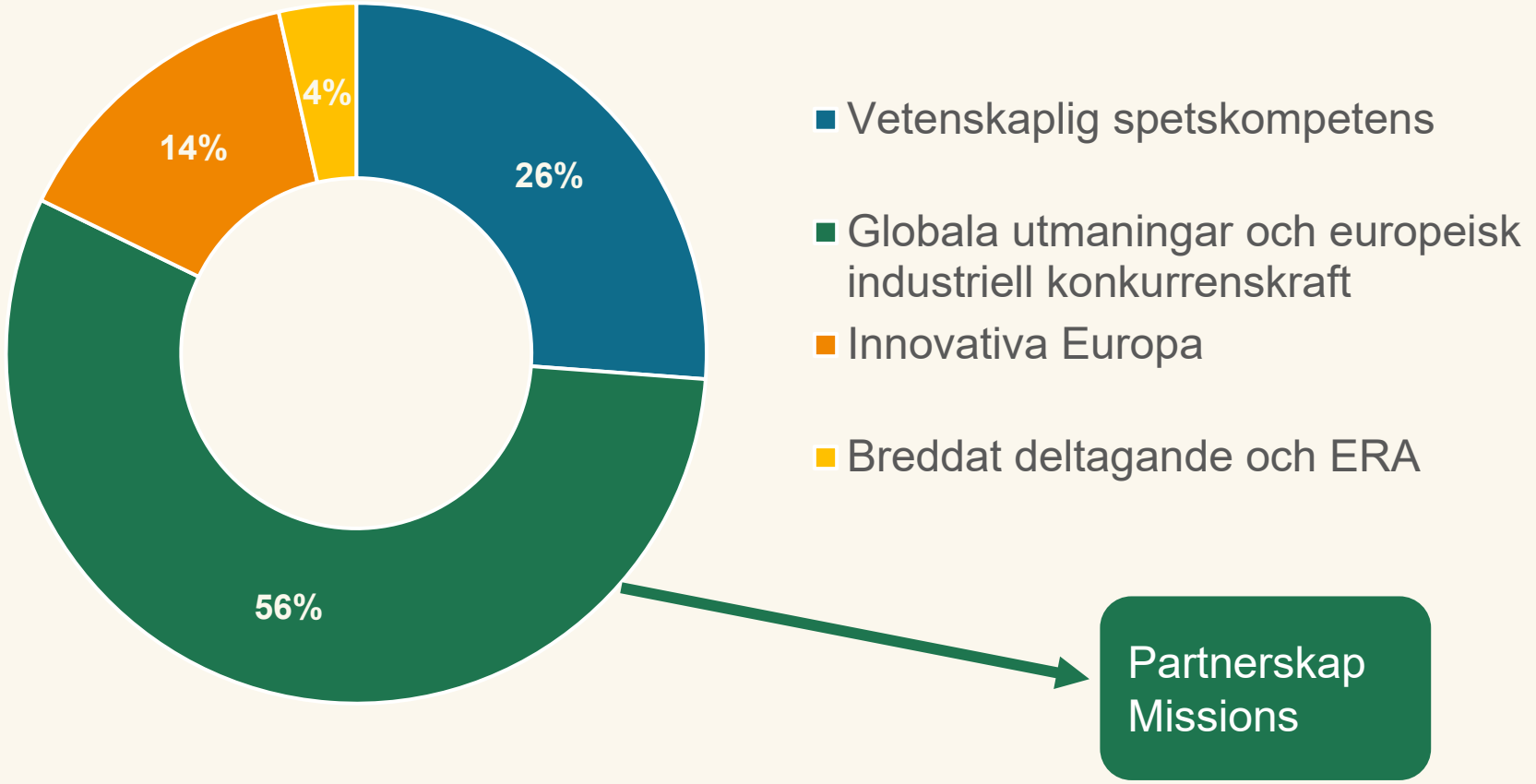


Partnerskap inom Horisont Europa

EU-kommissionen

Industri i EU

Medlemsländerna

Horisont Europa

Partnerskap

Nationella program

Utlysningar, nätverkande och kunskapsuppbyggande aktiviteter

Partnerskapen i Horisont Europa

- Gemensam satsning - kommissionen, medlemsstaterna och näringslivet
- Stora 7-åriga satsningar
- Mer än bara utlysningar

Overview of 49 candidate European Partnerships

HORIZON EUROPE PILLAR II - Global challenges & European industrial competitiveness

CLUSTER 1: Health

- Innovative Health Initiative
- Global Health Partnership
- Transformation of health systems
- Chemicals risk assessment
- ERA for Health
- Rare diseases*
- One-Health Anti Microbial Resistance*
- Personalised Medicine*
- Pandemic Preparedness*
  Co-funded or co-programmed

CLUSTER 4: Digital, Industry & Space

- Key Digital Technologies
- Smart Networks & Services
- High Performance Computing
- European Metrology (Art. 185)
- AI-Data-Robotics
- Photonics
- Made in Europe
- Clean steel – low-carbon steelmaking
- Processes4Planet
- Global competitive space systems**

CLUSTER 5: Climate, Energy & Mobility

- Clean Hydrogen
- Clean Aviation
- Single European Sky ATM Research 3
- Europe's Rail
- Connected and Automated Mobility (CCAM)
- Batteries
- Zero-emission waterborne transport
- Zero-emission road transport
- Built4People
- Clean Energy Transition
- Driving Urban Transitions

CLUSTER 6: Food, Bioeconomy, Agriculture, …

- Circular Bio-based Europe
- Rescuing Biodiversity to Safeguard Life on Earth
- Climate Neutral, Sustainable & Productive Blue Economy
- Water4All
- Animal Health & Welfare*
- Accelerating Farming Systems Transitions*
- Agriculture of Data*
- Safe & Sustainable Food System*

PILLAR III - Innovative Europe

EIT (KNOWLEDGE & INNOVATION COMMUNITIES)

- InnoEnergy
- Climate
- Digital
- Food
- Health
- Raw Materials
- Manufacturing
- Urban Mobility
- Cultural and Creative Industries

SUPPORT TO INNOVATION ECOSYSTEMS

- Innovative SMEs

CROSS-PILLARS II & III

- European Open Science Cloud

Institutionalised Partnerships (Art 185/7)
Institutionalised Partnerships / EIT KICs
Co-Programmed
Co-Funded

* *Calls with opening dates in 2023-24*
** *Calls with opening dates not before 2022*

European Commission

Formas i Horisont Europas partnerskap

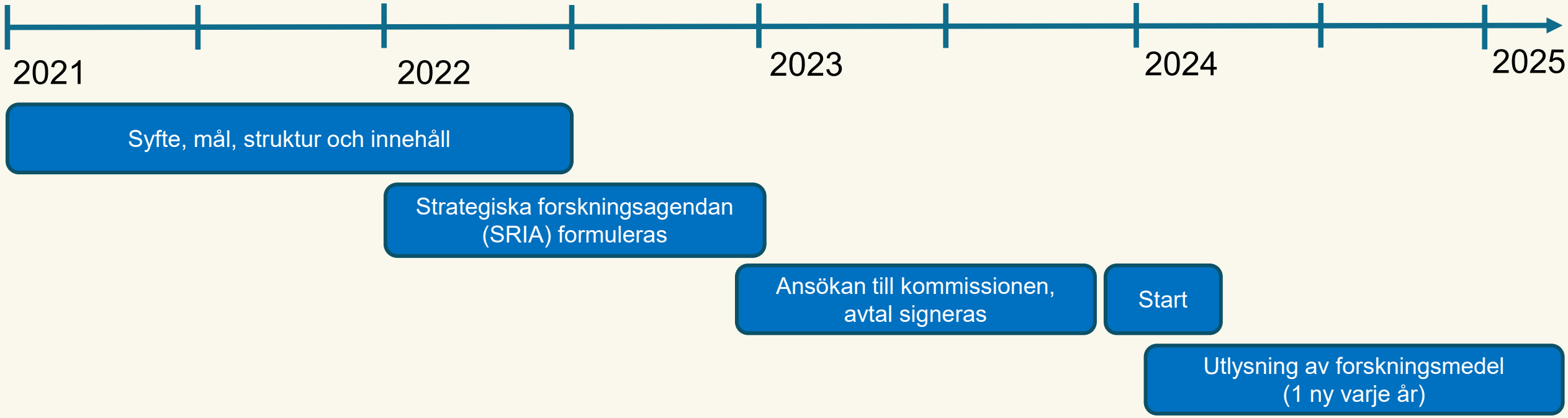
Första partnerskapen har startat

- Biodiversa+
- Driving Urban Transformation
- Water4All
- Sustainable Blue Economy

Andra omgångens partnerskap

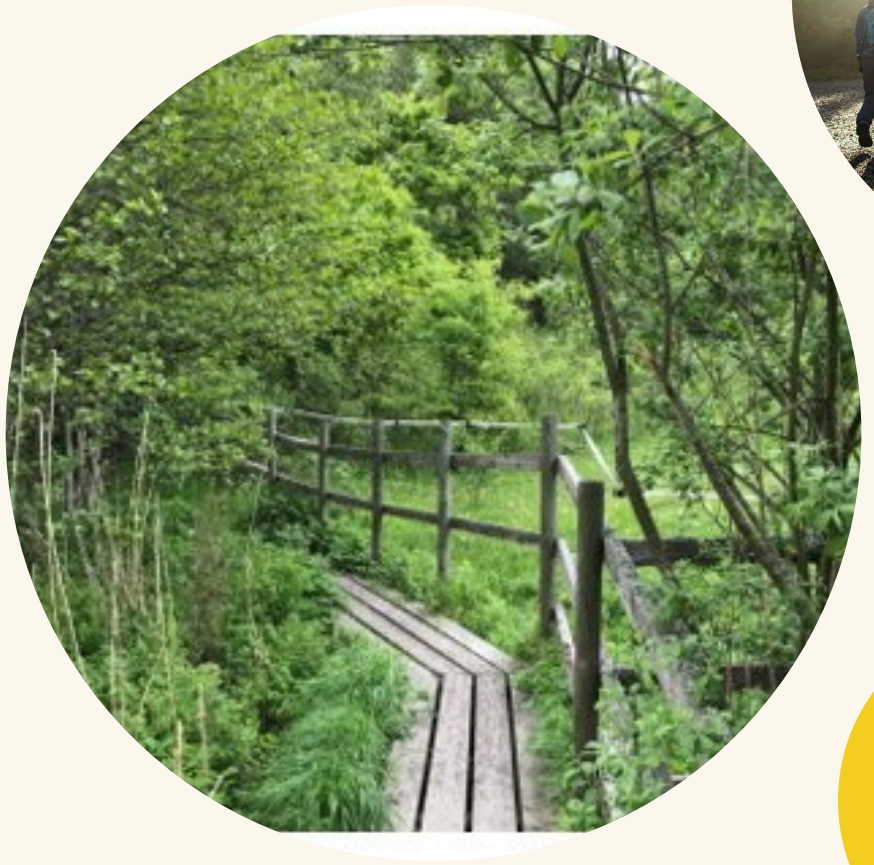
- Food System
- Agro Ecology (farming systems)
- Animal Health & welfare

Tidslinje och process för andra fasens partnerskap inom Horisont Europa



Tredje omgångens partnerskap

- Forests and forestry for a sustainable future (skog)
- Klimat



Marie Vaadre
Nationell kontaktperson på Vinnova
Horisont Europa kluster 6

The Horizon framework programme is a **POLITICAL INSTRUMENT** where research and innovation are needed to achieve political priorities

European Commission

VINNOVA

Horizon Europe

European Commission

VINNOVA

Horizon Europe - Cluster 6

Food, Bioeconomy, Natural resources, Agriculture and Environment

Work programme (2023-2024) - Cluster 6 (draft)

Horizon Europe work programmes (europa.eu)

Info Days 13-14 December 2022 (online)

Events | The research and innovation community platform (europa.eu)

Brokerage event 19 December 2022 (online)

Horizon Europe Brokerage Event for Cluster 6 - Calls 2023 - Info (b2match.io)

NCP

National EU-node

NCP

National contact points

VINNOVA Sweden's Innovation Agency

FORMAS · Vetenskapsrådet · MSB · FORTE: Forskningsrådet för hälsa, arbetsliv och välfärd · Energimyndigheten · RYMDSTYRELSEN Swedish National Space Board

- Answers questions on Horizon Europe
- Helps to find matching calls and topics
- Legal and financial advice
- Spreads information
- Strategic advice

Information from SE system to EC
via NCP networks, experts and PC

European Commission

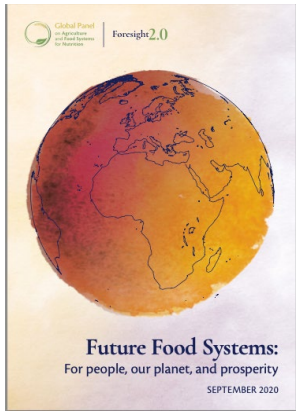
VINNOVA

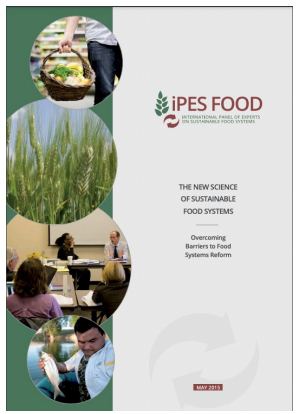
Kontakt: marie.vaadre@vinnova.se
Nationell kontaktperson på Vinnova kluster 6

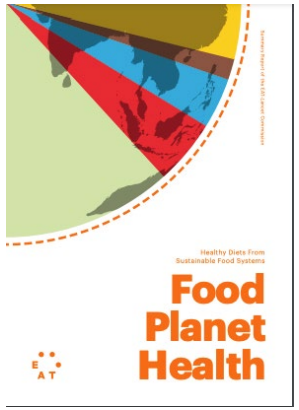
SCAR
Standing Committee
on Agricultural Research

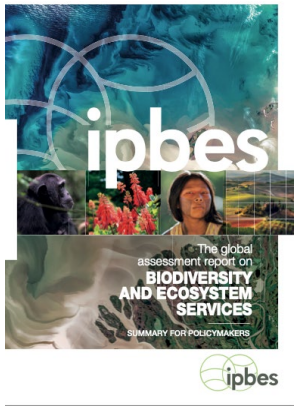
Horizon Europe: Partnership on Sustainable food systems for people, planet and climate

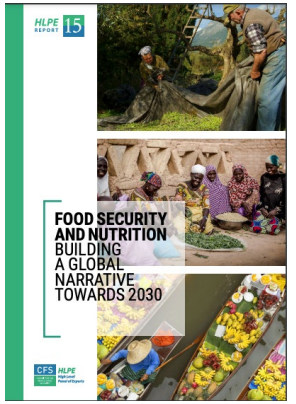
Dr. Minna Huttunen, Ministerial Adviser, Ministry of Agriculture and Forestry, FI
Co-chair of SCAR FOOD SYSTEMS SWG
7.12.2022

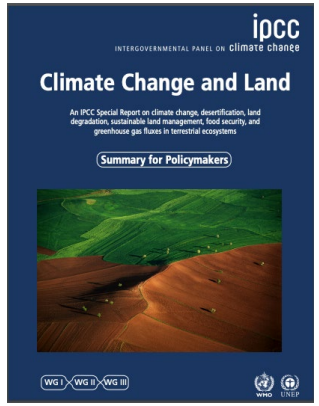




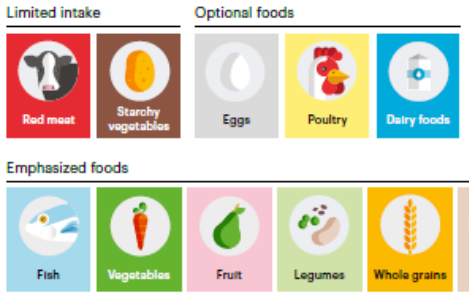






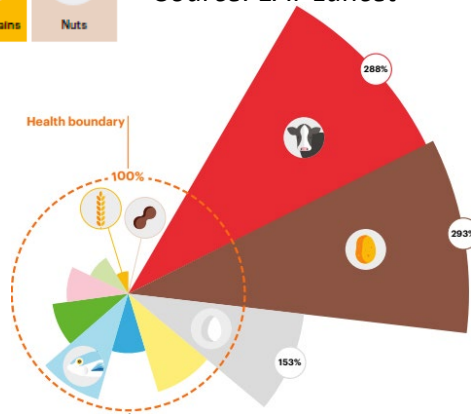


Food, basic human right, problematic!

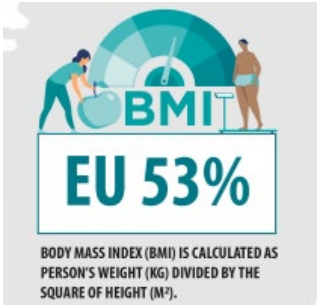


Overconsumption

Global percentages
Source: EAT Lancet

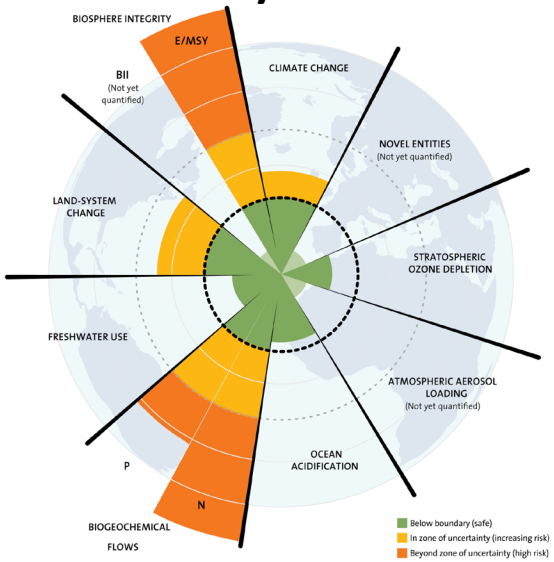


Overweight BMI>25



-> high risk of chronic diseases

Planetary boundaries



Stockholm Resilience Center;

J. Lokrantz/Azote based on Steffen et al. 2015.

Fair producer income

-EU: world's highest food safety & environmental standards
-affordable consumer price

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_2 (=5% of the total EU GHG emissions).

Pictures adapted from Gianluca Brunori, FACCE JPI, Univ PiSA

Sustainable food systems provide solutions

UN sustainable development goals aim to **end poverty**, **protect the planet**, ensure that by **2030 all people enjoy peace and prosperity.**

Food is a common nominator linking all 17 SDGs, given the interconnected **economic, social** and **environmental** dimensions of food systems.

The earlier policies & policymakers support **food systems transformation, a powerful lever for sustainable development**, the closer we get to meeting the SDGs.

Partnership on safe and sustainable food systems for people, planet and climate under Horizon Europe

The 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, and provide solutions to the Farm 2 Fork - strategy.
- 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.
- **The objective of the partnership** 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**'.

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Standing Committee on Agricultural Research

The SFS partnership process:

The partnership preparations have been carried out in an open and interactive manner:

- **START 2019**: 1st workshop 'main challenges to address' 18.9.2019
- Public survey summer of 2020 + 2nd workshop 1.10.2020: outline of the partnership
- 2021: Narrative of the partnership **why, what and how** this partnership is to be, writing and co-creation involving 47 experts from 14 countries (and different networks).
  - 3rd workshop March 2021 synergies with other partnerships and identify complementaries
  - 4th workshop September 2021 stakeholder reflections on the scope and outcome expectation, 26 EU and associated countries, funders and foundation representatives
- **Final partnership proposal** published April 2022

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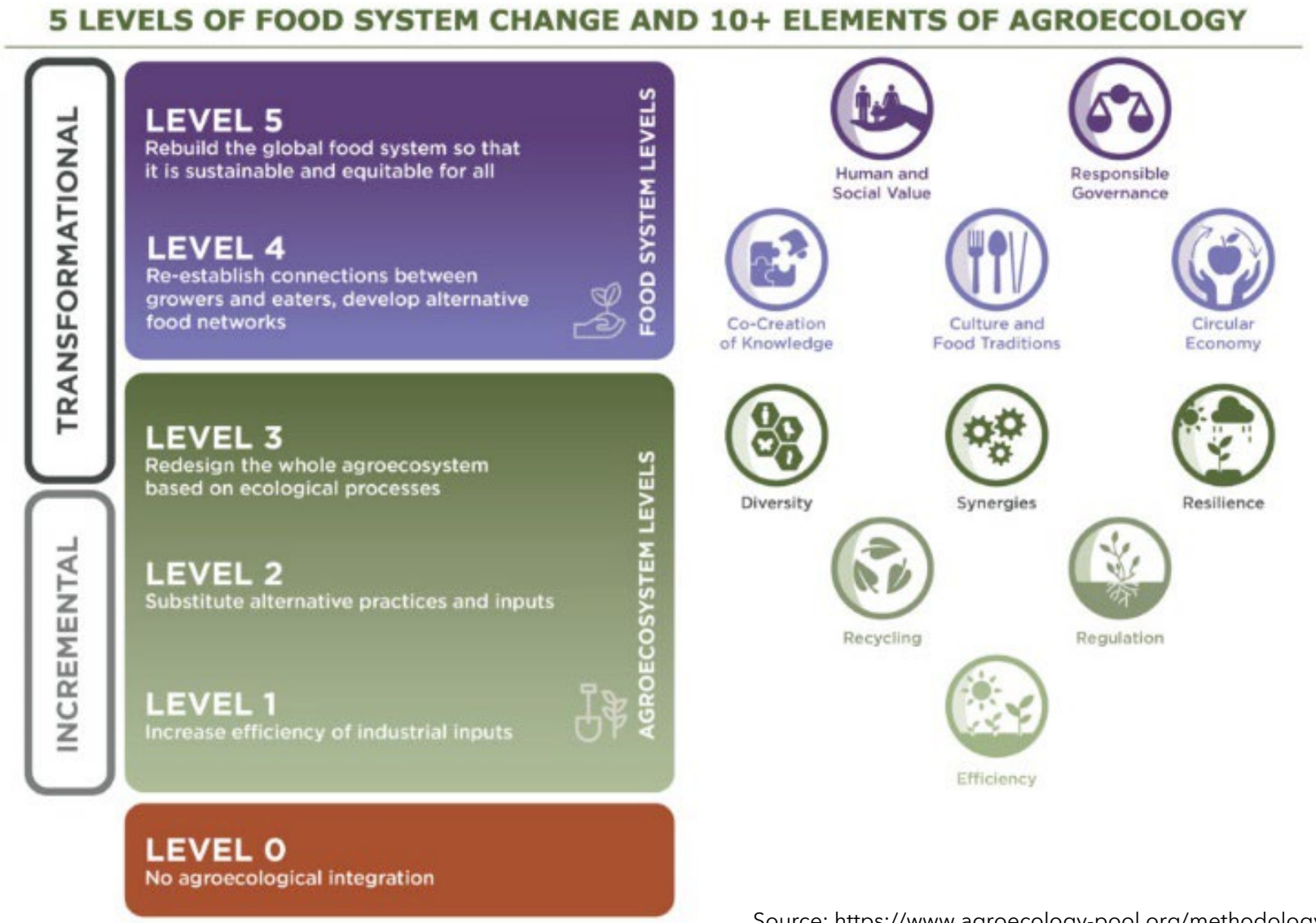
The four thematic areas for transformative R&I:

- Change the way we eat
- Change the way we process and supply food
- Change the way we connect with food systems
- Change the way we govern food systems

SFS partnership focus on transformation

Gliessman's five levels of agroecology

Level 4 and **5** are beyond production and focus on socio-economic aspects such as re-establishing connections between growers and eaters and responsible governance.



Source: https://www.agroecology-pool.org/methodology/

The SFS partnership SRIA

Public consultation OPEN 19.12.2022

- The partnership will be guided by a common Strategic Research and Innovation Agenda (**SRIA**)
- The first steps towards development of a SRIA was taken in a process guided by the SCAR SWG Food Systems and involving national representatives and a representation of trans-European umbrella organisations and stakeholder groups.

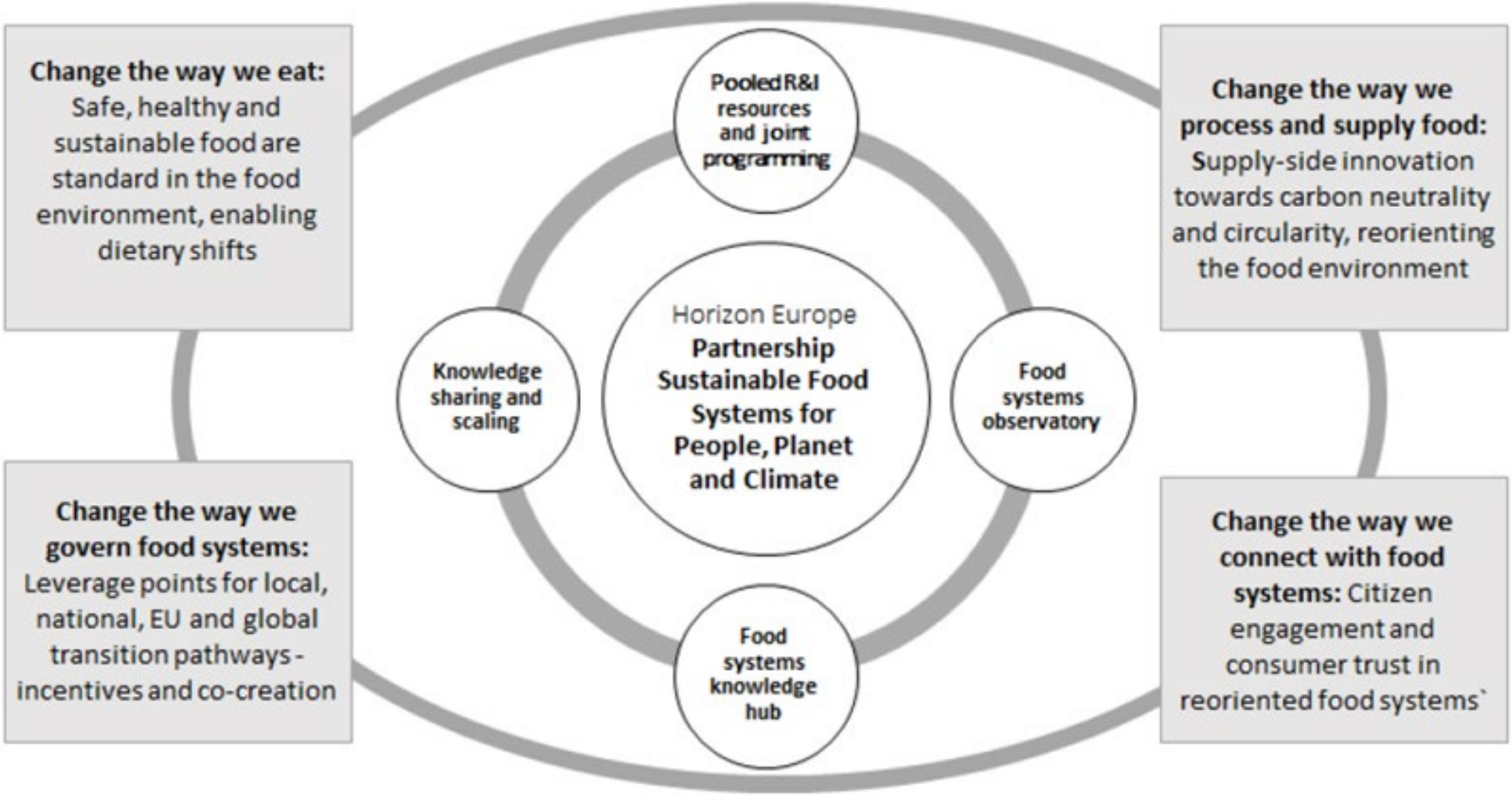
→the formulation of four provisional thematic areas framing different aspects of the Food Systems development

The partnership will achieve its ambition **to coordinate, align and leverage European and national R&I efforts** on future-proof food systems through four interconnected activities:

The four interconnected activities:

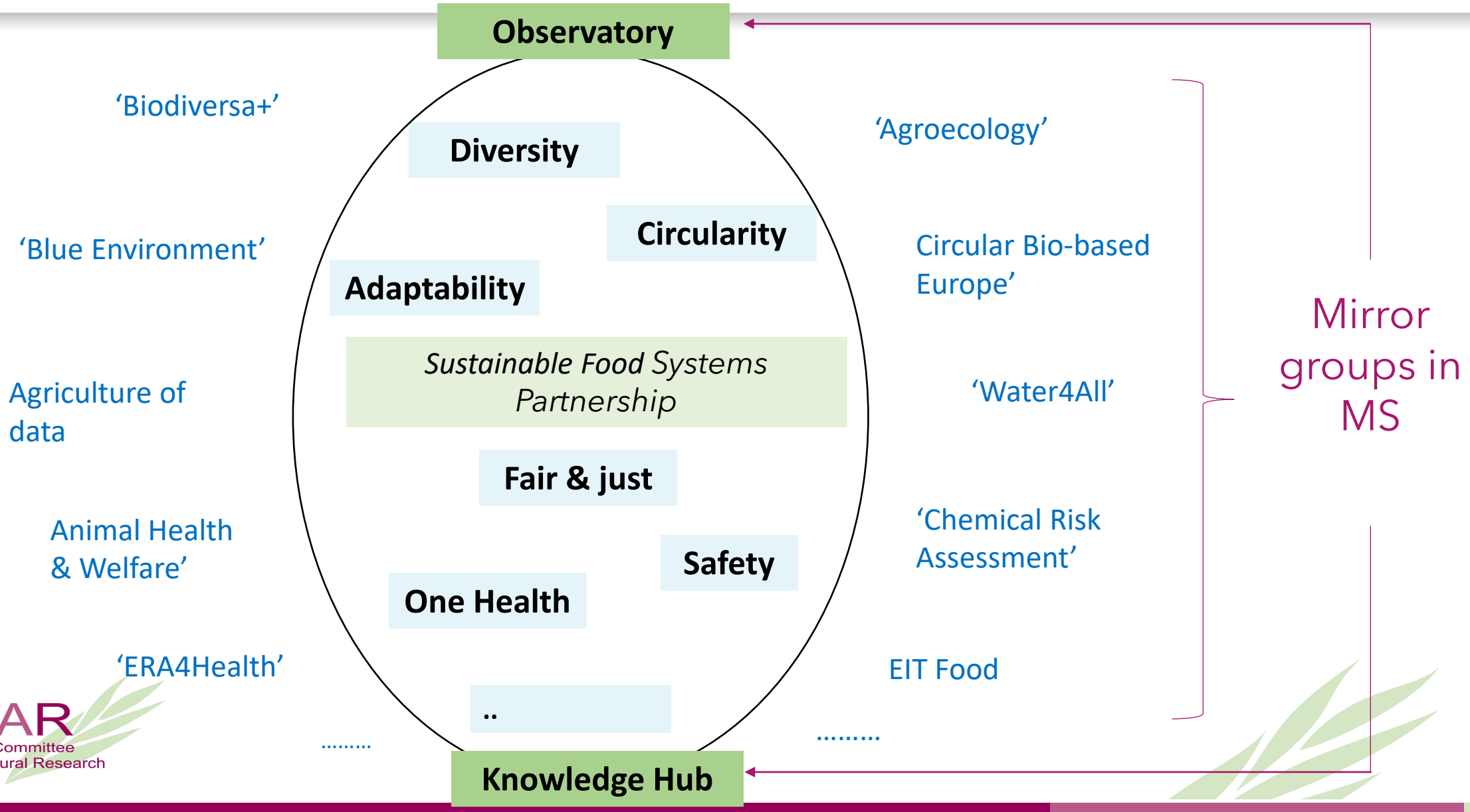
- Pooling R&I resources and programming
- Launching a food systems observatory
- Establishing a food systems knowledge hub
- Knowledge sharing and scaling, adapting knowledge systems, innovation platforms and science-policy interfaces

Enable R&I to drive food systems transformation processes



The R&I focus areas and transversal activities of the Partnership SFS

FS is too broad to be covered in a one Partnership: interactions with other Partnerships needed & MS mirror groups



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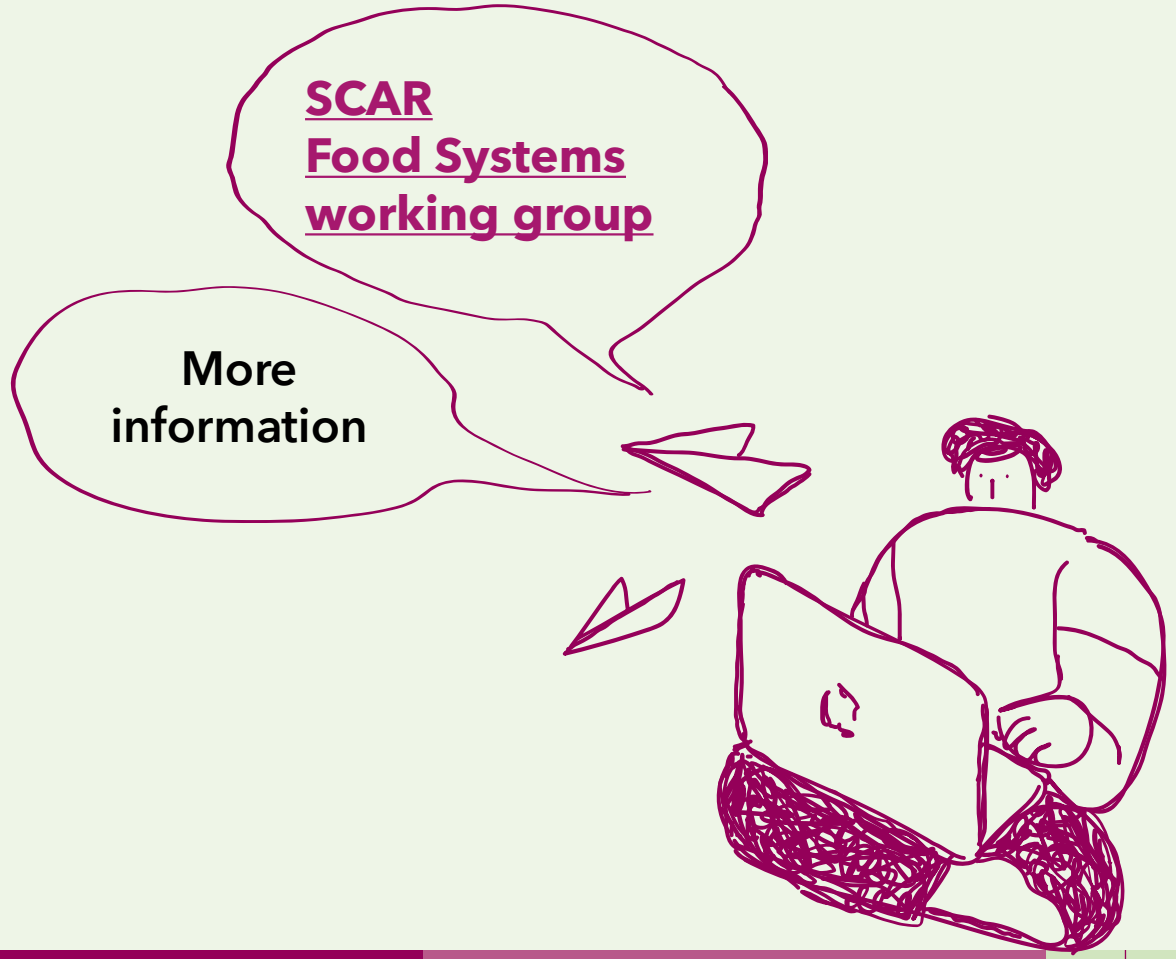
Thank you for your attention



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on Agricultural Research

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Write your questions for Minna in Q&A

FORMAS

VINNOVA
Sveriges innovationsmyndighet

Camilla Sjörs, Vinnova
Alexandre Dubois, Formas

Öppen konsultation av den strategiska forsknings- och innovationsagendan (”SRIA”) för partnerskapet

”SRIA”

Webbenkät med frågor om SRIA:n

Public consultation
Candidate Horizon Europe Partnership on Sustainable Food Systems for People, Planet & Climate
Strategic Research and Innovation Agenda (SRIA)

Introduction

The Partnership on Sustainable Food Systems for People, Planet & Climate (P-SFS) proposal ambition is to collectively develop and implement an EU-wide committed Research and Innovation partnership, which accelerates the transition towards healthy diets that are safe and sustainably produced and consumed in resilient EU and global food systems. This partnership focuses on post-harvest; hence, connection with the other cluster 6 partnerships is needed.

The aim of this public consultation is to collect input to further develop and strengthen the SFS partnership SRIA. We highly value your participation and feedback and take note of all the proposals/ suggestions given.

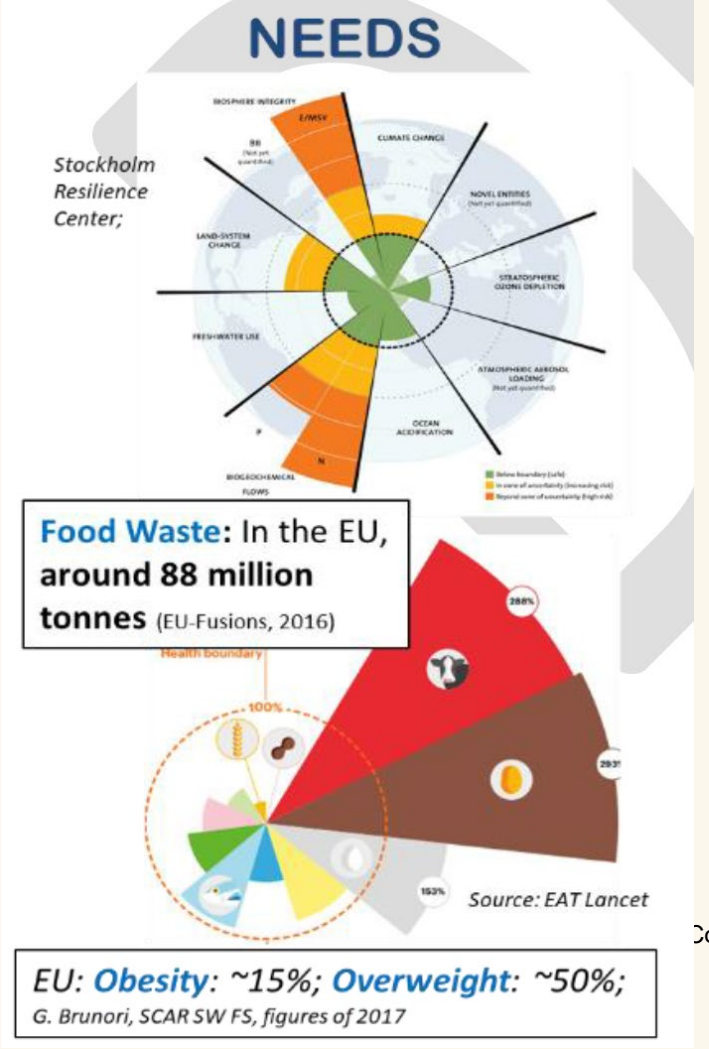
Partnerskapet *Sustainable Food Systems* syftar till…

- att accelerera omställning till säkra och hälsosamma dieter, som produceras hållbart i motståndskraftiga europeiska och globala livsmedelssystem;
- att utveckla systemperspektiv - förstå komplexiteten i livsmedelssystemet **efter att råvaran har producerats** (efter primärproduktionen, efter skörd/fiske etc).
- att adressera systemutmaningar;
- att engagera mångfalden av livsmedelsaktörer: privata, offentliga och ideella (civilsamhället);
- att fungera som en plattform för globalt samarbete.

VISION för partnerskapet *Sustainable Food Systems*:
att dess aktörer tillsammans kommer att uppnå miljövänliga, socialt säkra och rättvisa, ekonomiskt livskraftiga, hälsosamma och säkra livsmedelssystem i Europa för att bidra till att förverkliga målen i Farm to Fork-strategin, i linje med de globala ambitionerna från FN:s toppmöte Food Systems Summit 2021.

MISSION för partnerskapet *Sustainable Food Systems* :
att mobilisera forskning och innovation (R&I) för att påskynda övergången till hållbara livsmedelssystem med ett brett spektrum av aktörer som går samman i detta partnerskap.

5 systemutmaningar att ta itu med



Växthusgas-utsläpp

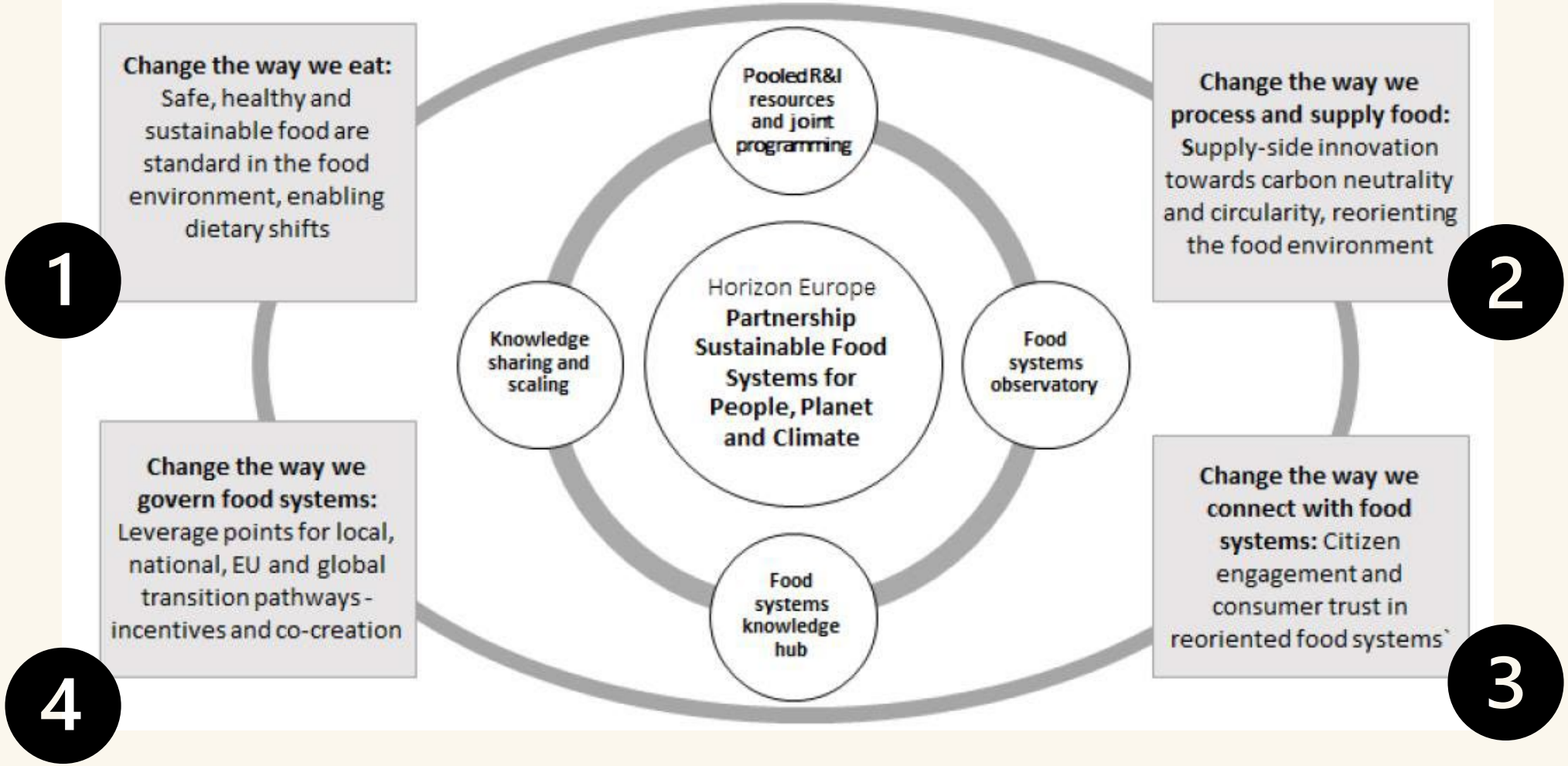
Ohälsosamma matvanor

Brister: rättvisa, inkludering, kulturarv

Matsvinn

Saknas bärkraftiga affärsmodeller

Enable R&I to drive food systems transformation processes



Change the way we eat

Övergång till hållbara och hälsosamma dieter överallt!

Förändra matmiljöer och konsumentbeteende för att främja hållbar konsumtion av säkra, hälsosamma, näringsrika, prisvärda, tillgängliga, rättvisa och kulturellt acceptabla smakfulla livsmedel.

Exempel på frågor att besvara:

- Hinder och möjligheter att komponera dieter utifrån allt ovan?
- Hur kan vi utveckla livsmedelsbaserade kostråd (utifrån allt ovan)?
- Hur kan vi utveckla LCA-metodik för att bedöma dieter utifrån flera kriterier?
- Viktigaste hävstångspunkterna för konsumenter att ändra sitt sätt att äta?

Change the way we process and supply food

2

- Diversifiering - ge konsumenter en sann variation av livsmedel att välja mellan (baserade på en sann variation av råvaror)
- Anpassade logistiksystem
- Cirkularitet
- Digitalisering av processer och leverantörskedja

Tvärsgående ämnen:

- Nya förädlingsmetoder
- Mat-design

Change the way we connect with food systems

3

Medborgarengagemang och konsumentförtroende.

Kunskapsbehov:

- ❑ Hur kan medborgare engageras genom olika typer av valmöjligheter gällande konsumtion av mat?
- ❑ Hur påverkar utvecklingen av matsystemen i olika skalor (småskaligt till storskaligt) engagemanget?
- ❑ Hur kan idéer om mat-demokrati omsättas i konkreta aktiviteter?

Change the way we govern food systems

4

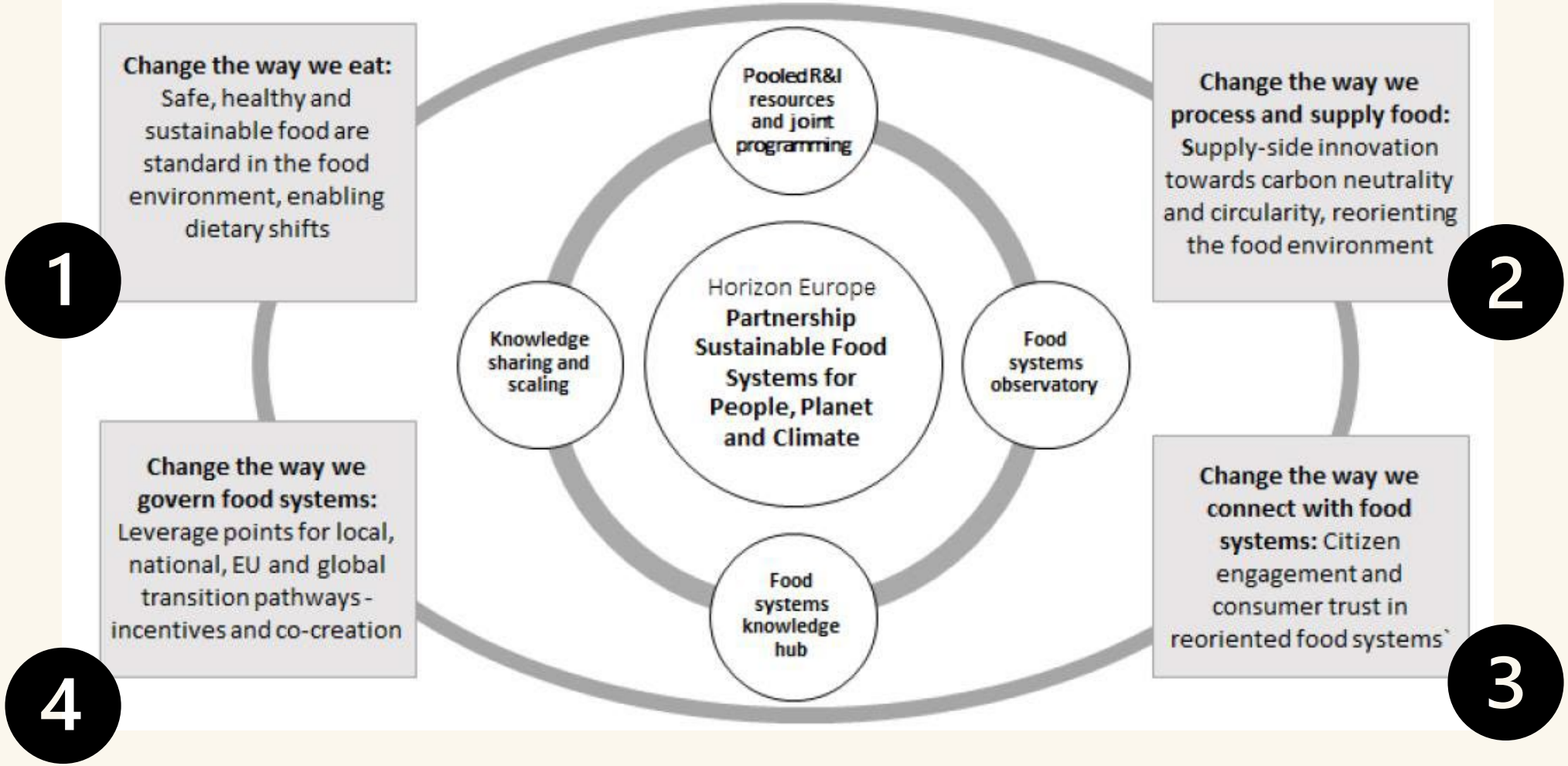
Utnyttja hävstänger för lokala, nationella, EU-baserade och globala övergångsvägar (*transition pathways*), **gemensamt skapande**, inklusive privata och lokala initiativ.

Governance (styrning): *de karakteristiska processer genom vilka samhället definierar och hanterar sina problem.*

Civilsamhälle, offentliga och privata domäner:

- Appraisal (värderingar)
- Commitment (hängivenhet)

Enable R&I to drive food systems transformation processes



Tvärgående aktiviteter

Pooling R&I resources and programming

Launching a food systems observatory

Establishing a food systems knowledge hub

Knowledge sharing and scaling, adapting knowledge systems, innovation platforms and science-policy interfaces

Change the way we…

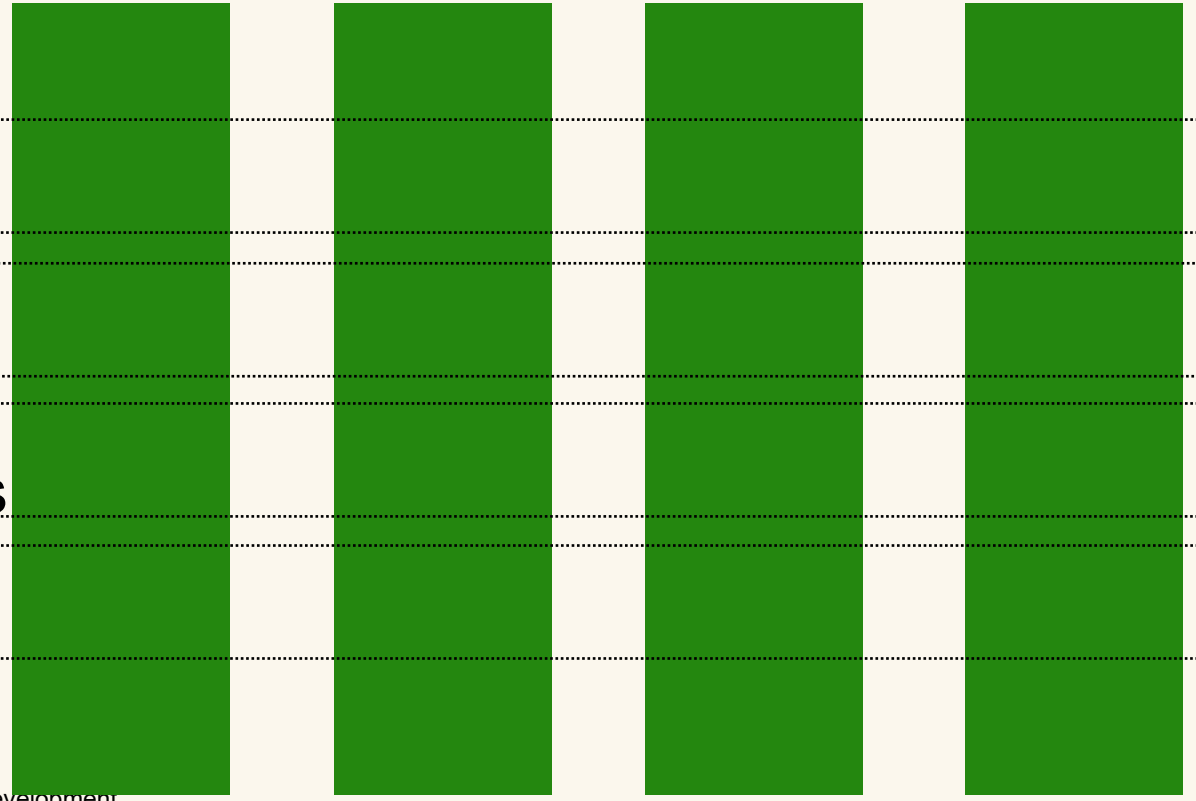
FoI-områden

..eat

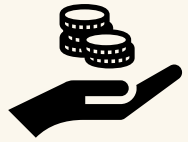
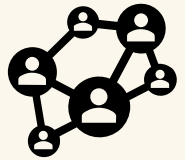
..process and supply food

..connect with food systems

..govern food systems

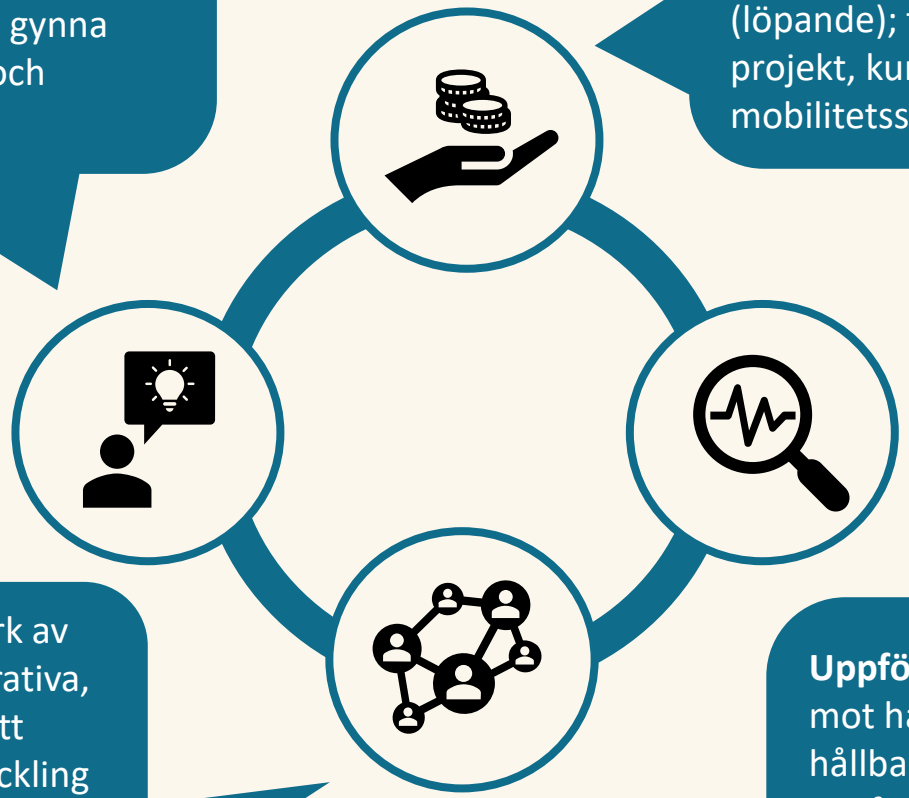


4 tvärgående aktiviteter

- Pooling R&I resources and programming 
- Launching a food systems observatory
- Establishing a food systems knowledge hub 
- Knowledge sharing and scaling, adapting knowledge systems, innovation platforms and science-policy interfaces

Delning och uppskalning av kunskap, innovativa forskning-policy gränssnitt. Förbättra förståelse för komplexiteten i livsmedelssystemet; anpassa olika FoI-intresse och exploatera synergier; förmåga att integrera kunskaper I praktiken; gynna utveckling av utbildningsunderlag och kompetenshöjande material.

Resursplanering. Fokus på medfinansierade mekanismer för projekt; inkluderande processer; grundad i institutionellt lärande (t.ex. kopplad till regelverk); harmonisering av finansieringspraxis med focus på nyttiggörande; öppen till nya finansiärer (löpande); transnationella utlysningar för både FoI-projekt, kunskapshubbar, nätverksstöd, mobilitetsstöd.



Utveckla en kunskapshubb. Inkl. nätverk av FoI Food System labs (FS-Labs); kollaborativa, behovsägare-drivna FoI-arbetssätt för att medskapa produkter och tjänster; Utveckling av medskapande case med private och offentliga organisationer på regional och nationell nivå.

Uppföljningssystem. Följa upp 'tecken på framsteg' mot hållbara matsystem inom EU och uppfyllnad av hållbarhetsmål; utveckla gemensamma och jämförbara indikatorer för aktiviteter, utfall, drivkrafter, systeminnovationer; koppla samman existerande databaser; Jobba med framsyn som metod för framtida målsättningar; gynna reflexivt uppföljning och lärande.

Hur SFS bidrar till andra EU-initiativ?

EU Policies / *Partnerships* / Strategy doc *(alphabetic order first in Europe, than global)*	R&I Area 1 'Eat'	R&I Area 2 'Process & Supply'	R&I Area 3 'Connect citizens'	R&I Area 4 'Govern'	Activity 'A' Co-funding & programming	Activity 'B' Observatory	Activity 'C' Hub of FS Labs	Activity 'D' Knowledge sharing
Partnership Agroecology								
Partnership Animal Health and Welfare								
Partnership Agriculture of Data								
Partnership Biodiversa+								
Partnership Circular Bio-Based Europe								
(Partnership) EIT Food								
Partnership ERA4Health								
Partnership Sustainable Blue Economy								
Partnership Water4All								

Nästa steg

- Vilka teman tycker ni är mest relevanta ur ett svenskt livsmedelsperspektiv?
- Vilka frågor är viktigast att lyfta fram för Sverige?
- Hur kan vi spetsa till kopplingen till hållbarhetsaspekter?

➞ Läs FoI-agenda och tyck till! (19 dec!)

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Förberedelseprojekt inför internationell ansökan inom hälsa och mat 2023

VINNOVA
Sveriges innovationsmyndighet

Erbjudandet riktar sig till er som planerar att göra en ansökan i en internationell utlysning inom området hälsa eller inom matsystem och ser ett behov att stärka projektförslaget för att öka chanserna för finansiering.

Utlysning från Vinnova
12 dec infomöte och frågestund
22 dec första stängning

Kontakta Camilla Sjörs

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FORMAS