



TECHNOLOGY  
CENTRE PRAGUE

# OPPORTUNITIES FOR FOOD SCIENTISTS IN HORIZON EUROPE

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5 November 2024



# HORIZON EUROPE STRUCTURE

 <b>PILLAR I</b> EXCELLENT SCIENCE	 <b>PILLAR II</b> GLOBAL CHALLENGES & INDUSTRIAL COMPETITIVENESS	 <b>PILLAR III</b> INNOVATIVE EUROPE
European Research Council	<b>Clusters</b> <ul style="list-style-type: none"> <li>▪ Health</li> <li>▪ Culture, Creativity &amp; Inclusive Society</li> <li>▪ Civil Security for Society</li> <li>▪ Digital, Industry &amp; Space</li> <li>▪ Climate, Energy &amp; Mobility</li> <li>▪ <b>Food, Bioeconomy, Natural Resources, Agriculture &amp; Environment</b></li> </ul> <div style="background-color: #e0e0e0; padding: 5px; text-align: center;">Joint Research Centre</div>	European Innovation Council
Marie Skłodowska-Curie		European Innovation Ecosystems
Research Infrastructures		European Institute of Innovation & Technology

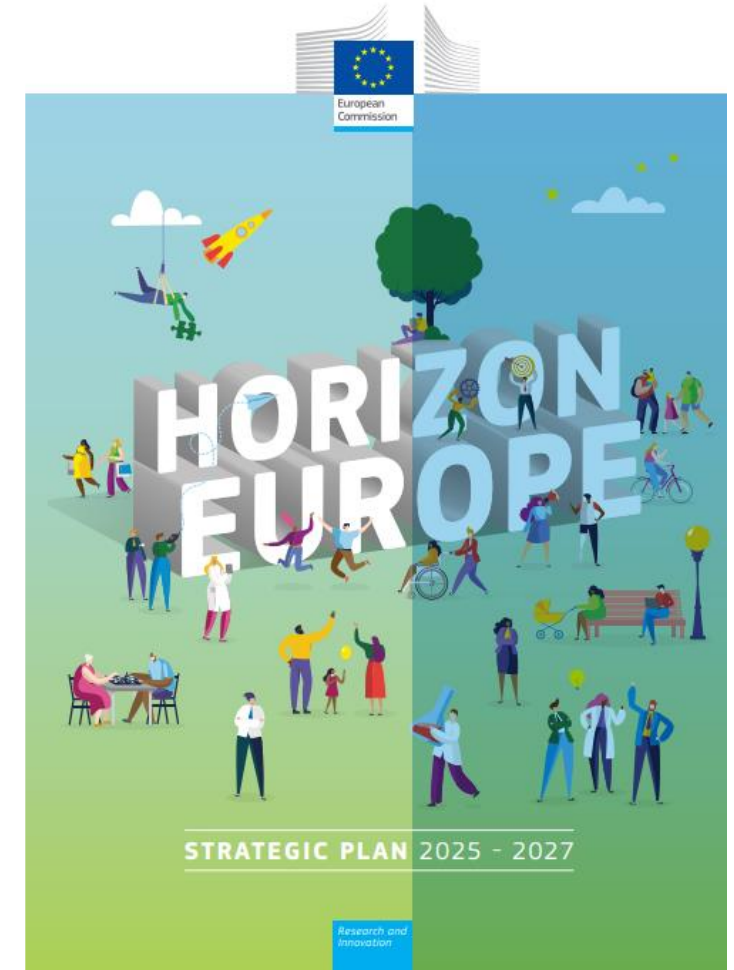
## WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence | Reforming & Enhancing the European R&I system

# HORIZON EUROPE STRATEGIC PLAN 2025 -2027

Cluster 6 will contribute to Expected Impacts:

- Fostering mitigation of and adaptation to climate change in areas and sectors covered by Cluster 6
- Putting biodiversity on a path to recovery, and protecting and restoring ecosystems and their services
- Achieving healthy soils and forests, as well as clean air, fresh and marine water, whilst ensuring water resilience and the transition to a clean, competitive and circular economy and sustainable bioeconomy
- Ensuring healthy food and nutrition security by making agriculture, fisheries, aquaculture and food systems sustainable, resilient, inclusive and within planetary boundaries
- Sustainably developing rural, urban and coastal areas
- Developing innovative governance models and tools enabling sustainability and resilience



# CLUSTER 6 WORK PROGRAMME 2025

- In preparation, calls expected to open in April/May 2025
- Pre-publication scheduled for March
- **7 destinations:**

## 1. Biodiversity and Ecosystem Services

- e.g. taxonomy approaches, in-situ biodiversity observations, ecosystem restoration, breeding, biodiversity and agriculture,...

## 2. Fair, healthy and environmentally-friendly food systems from primary production to consumption

- e.g. plant health, animal breeding, crop breeding, aquaculture, nutrition, food safety food waste,...

## 3. Circular economy and bioeconomy sectors

- e.g. ecodesign of products, circular solutions, consumption patterns, digitalisation, bio-based systems, bioprospecting,...



#### **4. Clean environment and zero pollution**

- e.g. air pollution, emerging pollutants from bio-based industries, biotechnology in remediation, aquatic litter pollution, marine pollution, pollution from food and drink industries...

#### **5. Land, oceans and water for climate action**

- e.g. health of oceans, changing agroecological environment, air pollutants from agriculture, resilience of water systems, ...

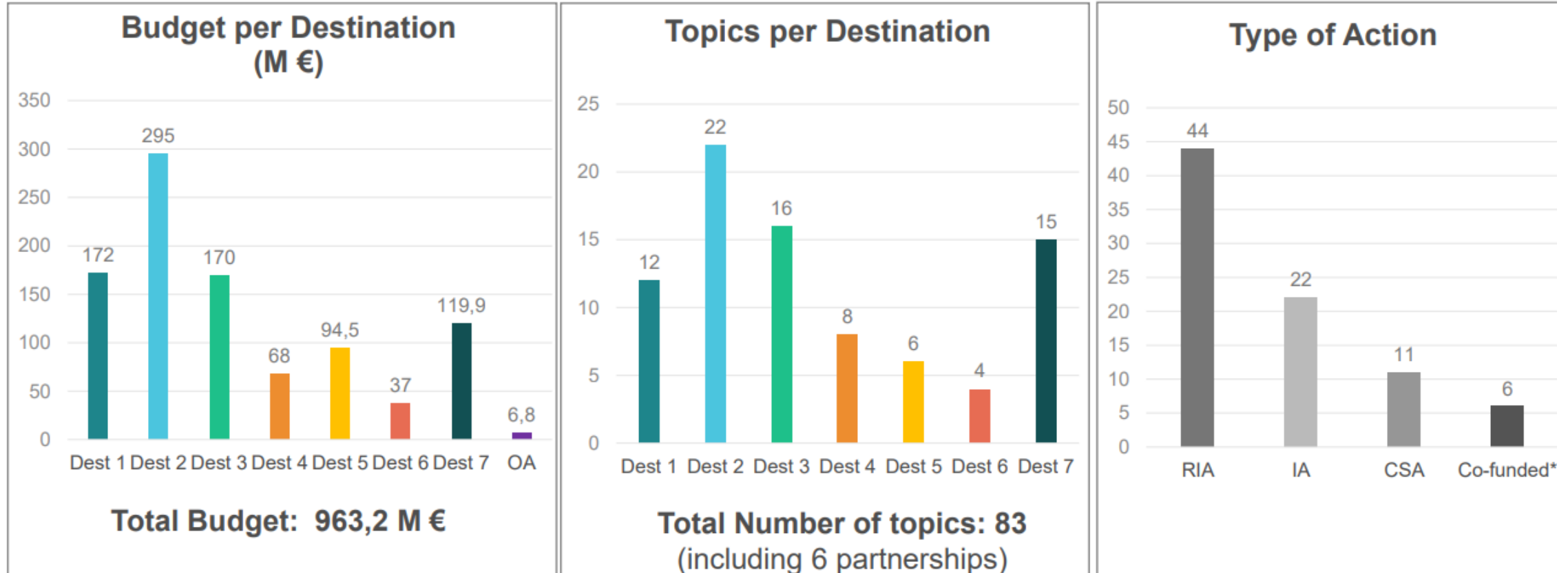
#### **6. Resilient, inclusive, healthy and green rural, coastal and urban communities**

- e.g. demographic trends and housing in rural areas, coastal communities in the Atlantic, sustainable food system transformation, ...

#### **7. Innovative governance, environmental observations and digital solutions in support of the Green Deal**

- e.g. bioeconomy networks, environmental observing systems, polar observation systems, digital twins, ...

# WP 2025 – GENERAL OVERVIEW

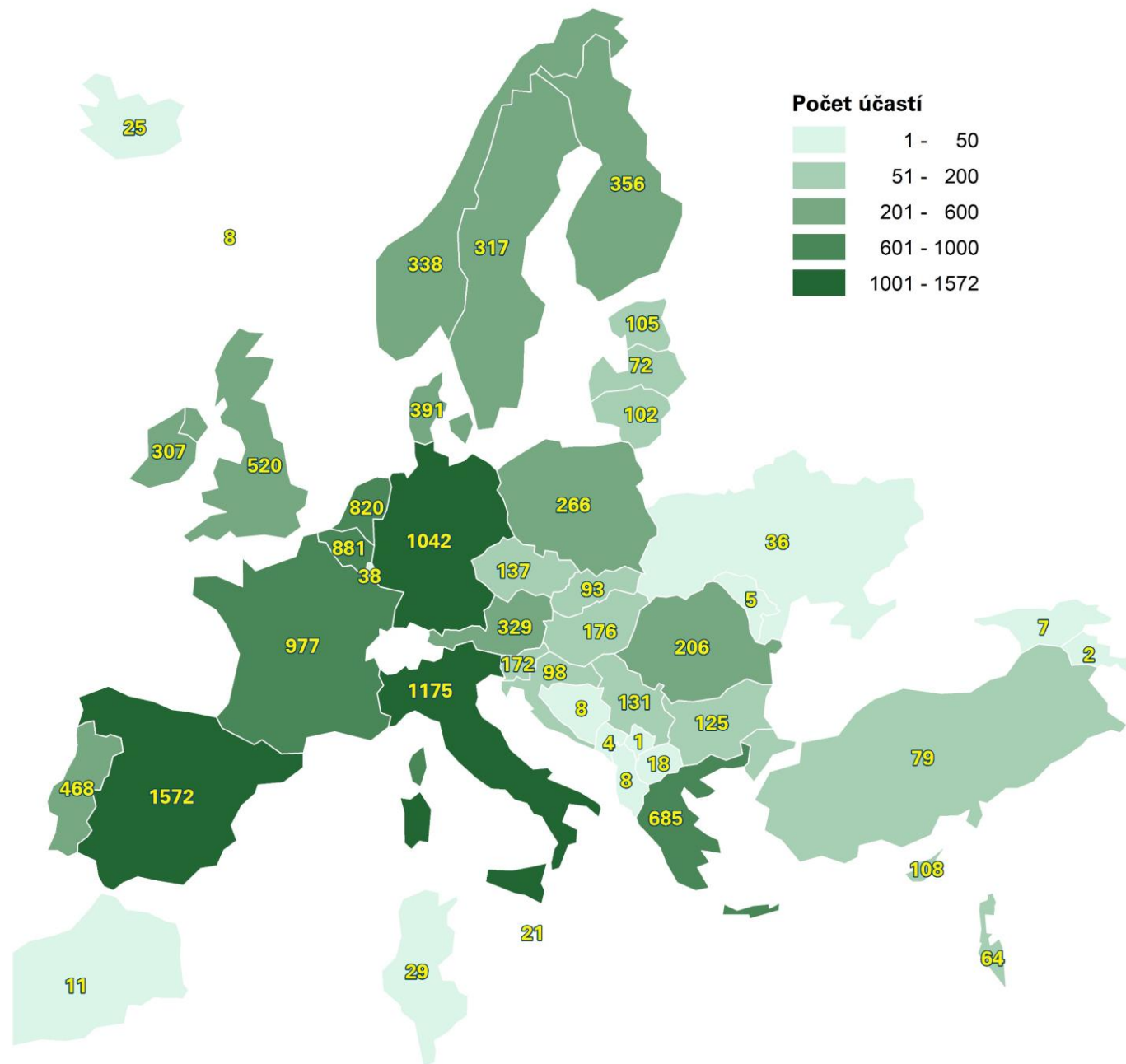


- Partnerships: 1 New Co-fund (Sustainable Forests and Forestry) and 5 top-up Co-fund (Biodiversa+, Agroecology, PAHW, SFS, Water4All)
- Other Actions (6): 1 expert contract actions, 2 grants to identified beneficiaries, 2 public procurements, 1 subscription action

# HORIZON EUROPE CASCADE FUNDING – DO NOT MISS OPPORTUNITY

- Cascade funding, also known as Financial Support for Third Parties (FSTP)
- **Starts from an ongoing project on which the beneficiaries can be added during the course of the project.**
- The current list is available [here](#)
- Examples:
  - [FARMTOPIA](#)
    - goal: co-create and test smart solutions for small and medium farms
    - applicants: 2 entities formed by an Agricultural Digital Solutions (ADSs) provider (SME) + end-user (small or medium farm)
    - deadline 7th Jan 2025
  - [OpenAgri](#)
    - goal: development of agricultural digital solutions
    - applicants: 2 entities formed by an Agricultural Digital Solutions (ADSs) provider (SME, university, research institute, non-profit organization) + end-user (farm, farm structure, farm cooperative or other agrifood production organisation or company representing farms)
    - deadline 2nd Dec 2024

# CLUSTER 6 SUCCESSFUL PARTICIPATIONS



Source: European Commission – eCORDA Grants –  
23.08.2024, prepared by Vladimír Vojtěch, TC Prague



# EUROPEAN PARTNERSHIPS

## PILLAR II - Global challenges & European industrial competitiveness

CLUSTER 1: Health	CLUSTER 4: Digital, Industry & Space	CLUSTER 5: Climate, Energy & Mobility	CLUSTER 6: Food, Bioeconomy, Agriculture, ...
Innovative Health Initiative	Key Digital Technologies	Clean Hydrogen	Circular Bio-based Europe
Global Health Partnership	Smart Networks & Services	Clean Aviation	Rescuing Biodiversity to Safeguard Life on Earth
Transformation of health systems	High Performance Computing	Single European Sky ATM Research 3	Climate Neutral, Sustainable & Productive Blue Economy
Chemicals risk assessment	European Metrology (Art. 185)	Europe's Rail	Water4All
ERA for Health	AI-Data-Robotics	Connected and Automated Mobility (CCAM)	Animal Health & Welfare*
Rare diseases*	Photonics	Batteries	Accelerating Farming Systems Transitions*
One-Health Anti Microbial Resistance*	Made in Europe	Zero-emission waterborne transport	Agriculture of Data*
Personalised Medicine*	Clean steel – low-carbon steelmaking	Zero-emission road transport	Safe & Sustainable Food System*
Pandemic Preparedness* <i>Co-funded or co-programmed</i>	Processes4Planet	Built4People	
	Global competitive space systems**	Clean Energy Transition	
		Driving Urban Transitions	

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

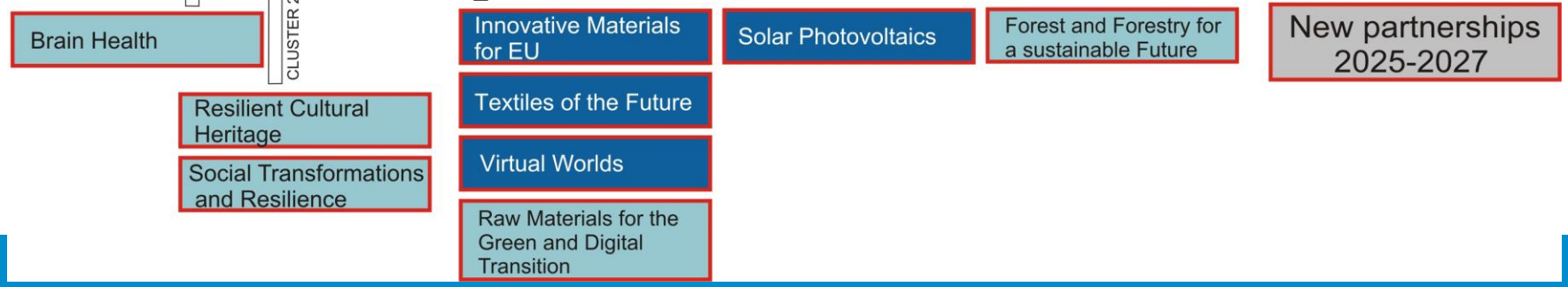
\* Calls with opening dates in 2023-24  
 \*\* Calls with opening dates not before 2022

## PILLAR III - Innovative Europe

EIT	SUPPORT TO INNOVATION ECOSYSTEMS
InnoEnergy	Innovative SMEs
Climate	
Digital	
Food	
Health	
Raw Materials	
Manufacturing	
Urban Mobility	
Cultural and Creative Industries	

### CROSS-PILLARS II AND III

European Open Science Cloud



# FUTUREFOODS - EUROPEAN PARTNERSHIP FOR SUSTAINABLE FOOD SYSTEMS



- kick-off in June 2024
- co-funded partnership with 87 partners from 29 countries
- aim: to accelerate the development of sustainable food systems by mobilising European research and innovation toward that goal
- planned actions:
  - ✓ open calls for research and innovation
  - ✓ development of Living Labs
  - ✓ creation of new European food system observatory
  - ✓ organisation of several knowledge sharing events

# FUNDING & TENDER OPPORTUNITIES PORTAL

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>



Discover the funding & tenders opportunities

Find out how to participate by following these key steps.

#### Find calls for proposals

Explore the available EU funding opportunities by searching for calls for proposals within your topics of interest, find partners and submit a proposal.

#### Find calls for tenders

Find business opportunities in the calls for tenders managed by EU institutions, bodies and agencies.

#### View projects and results

Browse through EU funded projects and learn about the results. Invest in opportunities and get inspired by the highlights and success stories.

#### Work as an expert

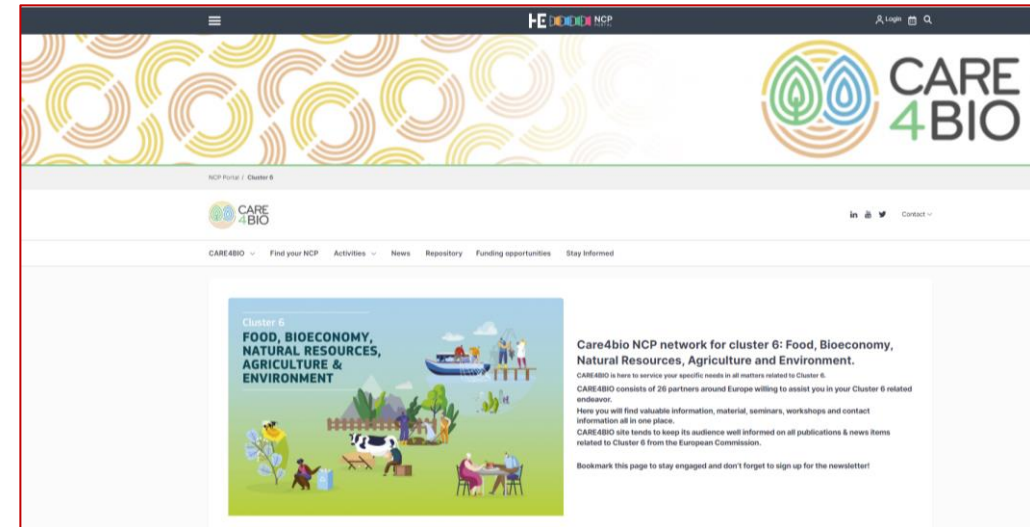
Proposals and projects need evaluations, monitoring and domain-specific knowledge advice from experts.

[Report fraud](#)



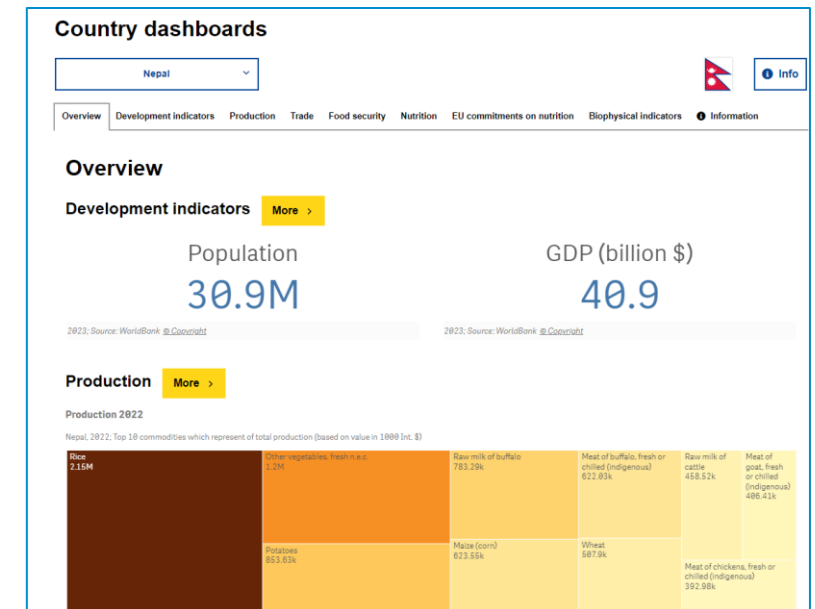
# CARE4BIO – CLUSTER 6 NCP NETWORK

- Horizon Europe project (CSA) gathering cluster 6 NCPs
- 26 partners around Europe
- Aim: to empower NCPs in Cluster 6 to provide highly qualified support services
  - ✓ raising the general standard of services of NCPs, sharing good practices, performing outreach activities
    - barriers for applicants to participation will be lowered
    - overall quality of submitted proposals will be increased
- external newsletter, subscription on <https://care4bio.eu>



# JRC – JOINT RESEARCH CENTRE

- department of the EC
- provides independent evidence-based knowledge and science
- support for EU policies
- works closely with research and policy organisations in the MS, European agencies, scientific partners
- 2 800 staff, > 50 large scale research facilities
- Knowledge and competence centres (10 centres)
  - Knowledge Centre for Global Food and Nutrition Security
    - a one-stop source of curated information
    - shared understanding of the facts
  - Knowledge Centre for Food Fraud and Quality
    - databases, monthly reports, testing methodology, ...
- portfolio approach (33 portfolios)





# PORTFOLIO 11: SUSTAINABLE FOOD SYSTEMS

## Laboratories and facilities

- Food Contact Materials Laboratory
- Nanobiotechnology Laboratory (open access – regular calls)

## Scientific tools

- Flavourings, Additives, and food Contact materials Exposure Tool (FACET)
- JRC Nanomaterials Repository

## Examples of activities

- Food and feed safety, Food authenticity and quality, Food contact materials, GMOs, Nutrition, Organic food and sustainable agriculture, ...

### Related news



News announcement | 8 October 2024

Can the EU chart a sustainable transition to greater protein self-sufficiency?

A combination of production-related measures and



News announcement | 30 September 2024

Protecting our EU food integrity standards with cutting-edge technology

New report recommends advanced technologies to



News announcement | 5 September 2024

Food crises: Gaza, Sudan conflicts drive record high number of people in Phase 5 (Catastrophe) since 2016



News announcement | 20 June 2024

JRC methods to help detect and quantify antibiotic residues in animal feed

Official national control labs in the EU will now prepare

- JRC [vacancies](#)
- JRC [Science Flash for You](#)



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