

Horizon Europe Matchmaking event

Clusters 5 and 6

31 May - 1 June and 3 - 4 June 2021



Universitets- og høyskolerådet



TRONDHEIM KOMMUNE



Cluster - 6 “Food, Bioeconomy, Natural Resources, Agriculture & Environment”

focus on

DESTINATION-2 “Fair, healthy & environmentally-friendly food”

DESTINATION-3 “Circular economy and bioeconomy sectors”

DRAFT

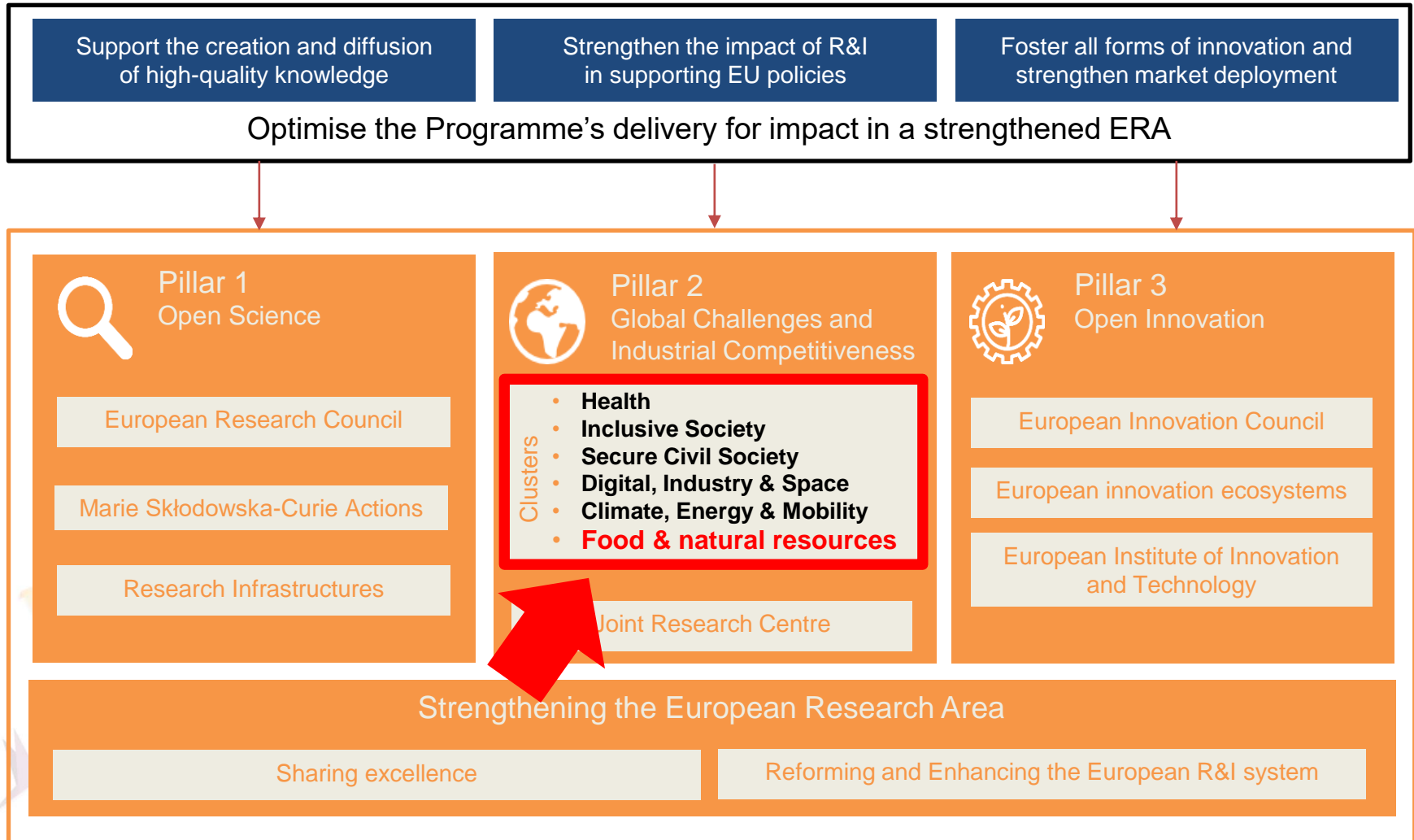


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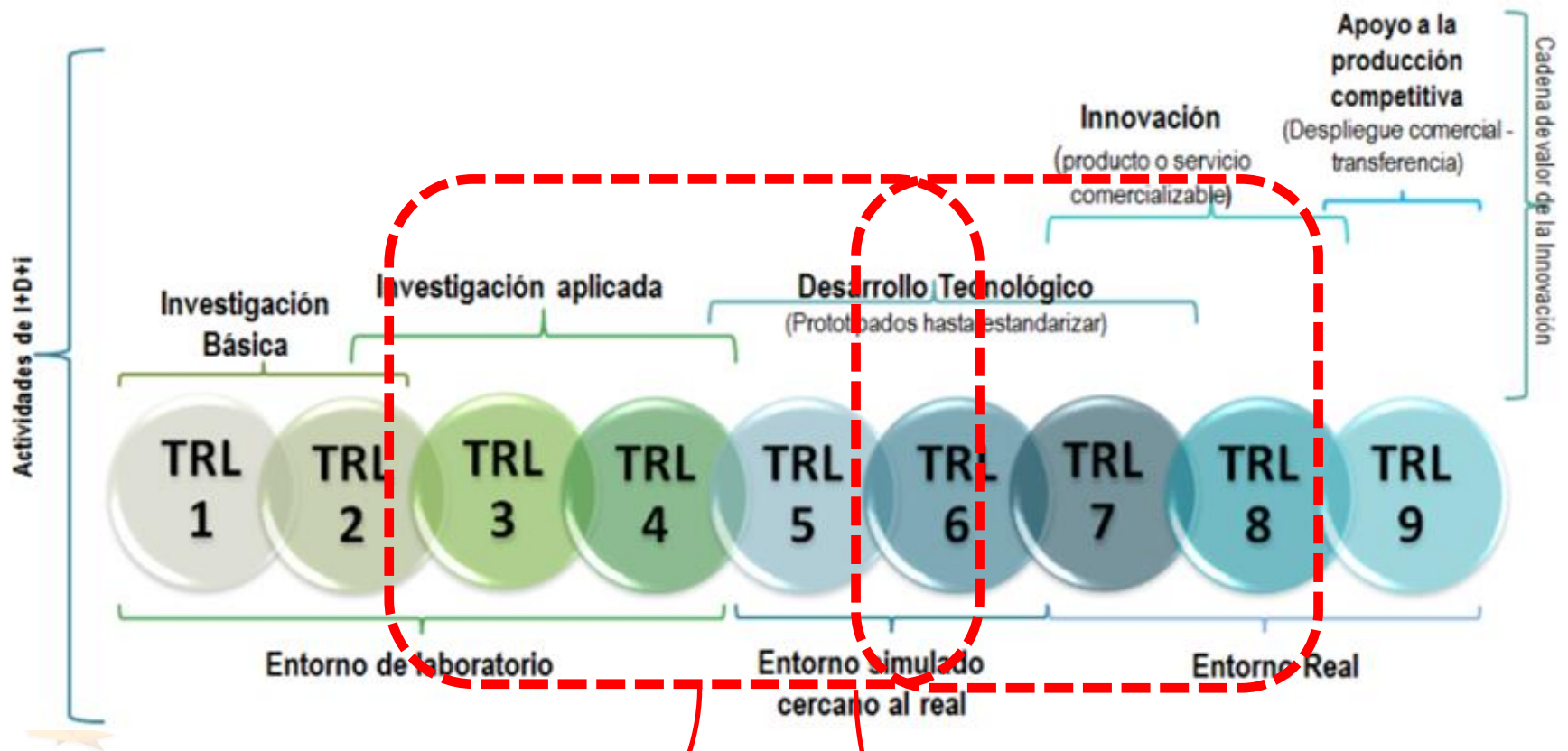
Responsible of the Capacity Building Programme at SOST-CDTI
NCP Horizon Europe

Horizon Europe: evolution not revolution...



FOCUS on Pillar-II: Mainly **COLLABORATIVE PROJECTS** carried out by **CONSORTIUM**

What sort of projects in HE can we apply in the coming weeks?



Research & Innovation actions (RIA)

Upto 100% funding rate for all

Innovation Actions (IA)

Upto 100% for Non-Profit and upto 70% for profit

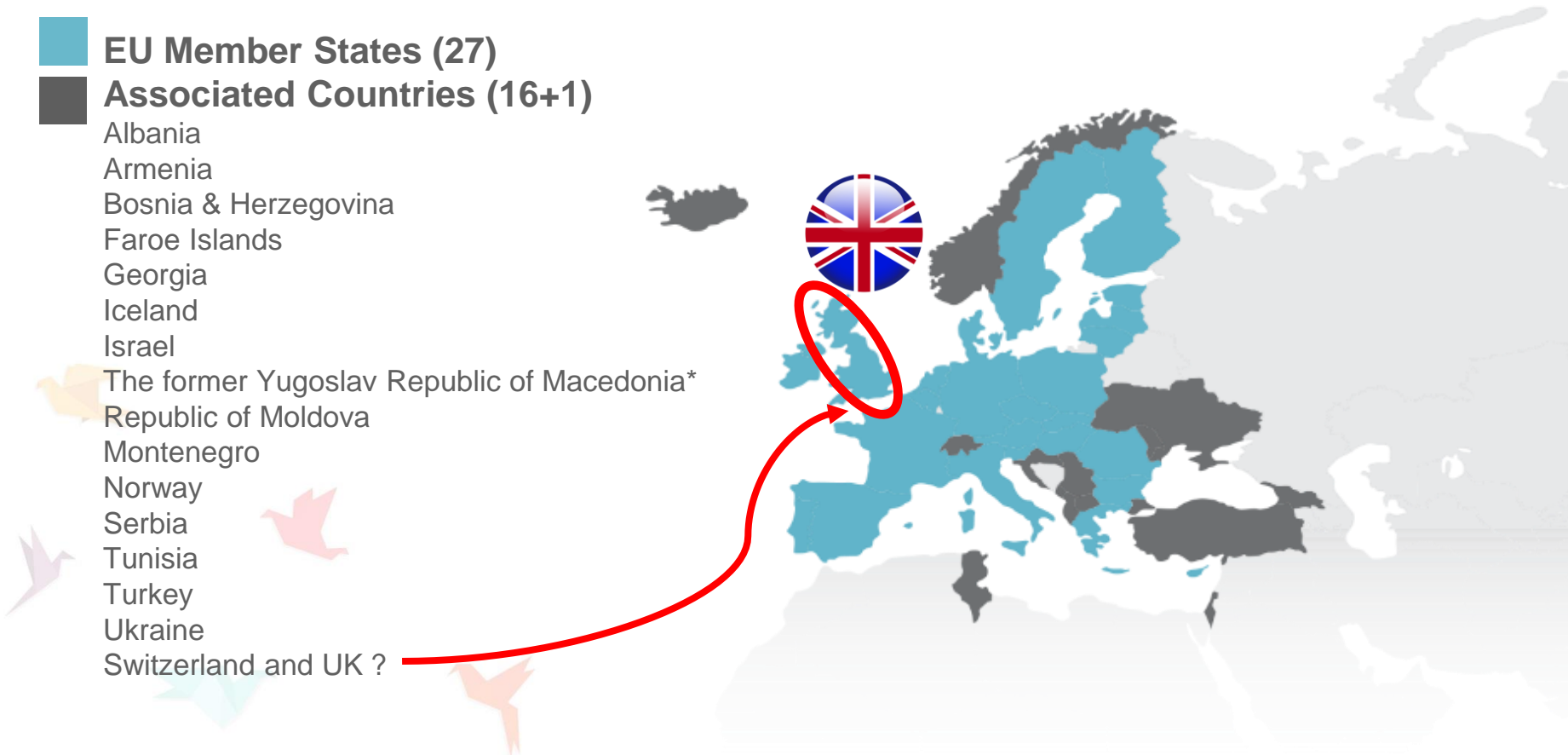
ATTENTION: In all these schemes, and for all sort of partners in your consortium, you will get **25% additional INDIRECT COSTS**

Who can participate in these collaborative projects?

ANY organisation (PUBLIC or PRIVATE) can participate as a partner or coordinator, receiving **upto** 100% funding → **Minimum conditions:**

ATTENTION: For RIAs & IAs, MINIMUM in the CONSORTIUM are 3 partners from 3 MMSS or Associated Countries (out of them, AT LEAST 1 comes from a MMSS)

-  **EU Member States (27)**
-  **Associated Countries (16+1)**
- Albania
- Armenia
- Bosnia & Herzegovina
- Faroe Islands
- Georgia
- Iceland
- Israel
-  The former Yugoslav Republic of Macedonia*
- Republic of Moldova
- Montenegro
- Norway
- Serbia
- Tunisia
- Turkey
- Ukraine
- Switzerland and UK ?



Cluster – 6 “Food, Bioeconomy, Natural Resources, Agriculture and Environment”

DRAFT

What's about the Specific Impact for Cluster-6?

Specific Impacts of Cluster-6:


[...] The circular economy, the **sustainable bioeconomy**, including its **bio-based innovative circular ecosystems and solutions**, **blue economy** including **marine biotechnology**, **sustainable agriculture** including **agroecology**, **sustainable food systems**, **nature-based solutions**, **integrated water, soil and nutrients management**, as well as **digitalisation and data technologies** have the potential to balance environmental, social and economic goals and set the economy on a **low ecological footprint and a path to sustainable development in line with the UN 2030 Agenda**. Research generating new knowledge, a diversity of innovations, thriving place-based innovation ecosystems, industrial ecosystems, societal engagement and innovative business and governance models will be instrumental to unlock their potential. The recovery from the COVID-19 crisis is an opportunity to accelerate a just and inclusive ecological transition.



- **Destination 1** – Biodiversity and Ecosystem Services
- **Destination 2** – Fair, healthy and environmentally-friendly food systems from primary production to consumption
- **Destination 3** – Circular economy and bioeconomy sectors
- **Destination 4** – Clean environment and zero pollution
- **Destination 5** – Land, oceans and water for climate action
- **Destination 6** – Resilient, inclusive, healthy and green rural, coastal and urban communities
- **Destination 7** – Innovative governance, environmental observations and digital solutions in support of the Green Deal



What's about the Specific Impact for Cluster-6?

27. Climate neutrality is achieved by reducing GHG emissions, maintaining natural carbon sinks, and enhancing the **sequestration and storage of carbon in ecosystems, including by unfolding the potential of nature based solution, production systems on land and at sea as well as rural and coastal areas**, where adaptations to climate change are also being fostered.
28. **Biodiversity decline** is halted in all European biogeographical regions, and ecosystems...
29. **Sustainable and circular management and use of natural resources as well as prevention and removal of pollution are mainstreamed, unlocking the potential of the bioeconomy, ensuring competitiveness and guaranteeing healthy soil, air, fresh and marine water for all...**
30. **Food and nutrition security for all within planetary boundaries** is ensured through knowledge, innovation and **digitalisation in agriculture, fisheries, aquaculture and food systems**, which are sustainable, resilient, inclusive, safe and healthy from farm to fork.
31. **Rural coastal and urban areas are developed in a sustainable, balanced and inclusive manner...**
32. Innovative governance models enabling sustainability and resilience ...
- 

International collaboration in...

International cooperation will be stepped up through strategic alliances in areas such as **food and nutrition security, animal health, soil, climate change, ecosystem restoration, forest and water management, seas and oceans**. This will not only involve bilateral, but also multilateral cooperation, through existing networks, such as the Belmont Forum, the International Bioeconomy Forum, the establishment of international research consortia (IRCs). The establishment of one IRC is already expected in the area of soil and carbon. **Another IRC is foreseen in the area of biodiversity.**

Sustained R&I cooperation within the Arctic and in the **Antarctic** is increasingly important for understanding the rapid changes taking place in the region and to predict their regional and global impacts[...].

[...] areas of future cooperation are the **bio-based economy solutions, circular urban bioeconomy and sustainability assessment methodologies of bio-based systems, including biological feedstock, processes and products.**



Destination – 2

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



Link among the KSOs and Destination-2...

Proposals under this Destination proposals should contribute to **ONE or MORE** of the following impacts:

- **Sustainable, productive and climate-neutral and resilient farming systems** providing consumers with affordable, safe, traceable healthy and sustainable food, while minimising pressure on ecosystems, restoring and enhancing biodiversity, improving public health and generating fair economic returns for farmers;
- **Sustainable fisheries and aquaculture** increasing aquatic biomass production, diversification and consumption of seafood products for a fair, healthy, climate resilient and environmentally friendly food systems with low impact on aquatic ecosystems and high animal welfare;
- **Sustainable, healthy and inclusive food systems** delivering co-benefits for climate mitigation and adaptation, environmental sustainability and circularity, sustainable healthy nutrition and safe food consumption, food poverty reduction, inclusion of marginalised people and empowerment of communities, and flourishing businesses.

ATTENTION:

- ✓ When considering their impact, proposals also need to assess their compliance with the **“Do No Significant Harm” principle!**
- ✓ Promoting synergies with the KICs of the EIT → **EIT Food and EIT Climate-KIC**

Topics	Type of Action	Budgets (M€)	Expected EU contribution / project (M€) ¹²⁷	# of projects expected to be funded
		2021		
Opening: 15 Apr 2021 Deadline(s): 01 Sep 2021				
HORIZON-CL6-2021-FARM2FORK-01-01	RIA	4.00	Around 4.00	1
HORIZON-CL6-2021-FARM2FORK-01-02	IA	9.00	Around 9.00	1
HORIZON-CL6-2021-FARM2FORK-01-03	CSA	2.00	Around 2.00	1
HORIZON-CL6-2021-FARM2FORK-01-04	RIA	14.00	Around 7.00	2
HORIZON-CL6-2021-FARM2FORK-01-05	RIA	8.00	Around 8.00	1
HORIZON-CL6-2021-FARM2FORK-01-06	IA	12.00	Around 6.00	2
HORIZON-CL6-2021-FARM2FORK-01-07	CSA	3.00	Around 3.00	1
HORIZON-CL6-2021-FARM2FORK-01-08	RIA	12.00	Around 4.00	3
HORIZON-CL6-2021-FARM2FORK-01-09	RIA	8.00	Around 8.00	1
HORIZON-CL6-2021-FARM2FORK-01-10	IA	10.00	Around 5.00	2
HORIZON-CL6-2021-FARM2FORK-01-11	IA	10.00	Around 5.00	2
HORIZON-CL6-2021-FARM2FORK-01-12	RIA	11.00	Around 11.00	1
HORIZON-CL6-2021-FARM2FORK-01-13	RIA	12.00	6.00 to 7.00	2
HORIZON-CL6-2021-FARM2FORK-01-14	RIA	12.00	Around 12.00	1
HORIZON-CL6-2021-FARM2FORK-01-15	RIA	12.00	Around 12.00	1
HORIZON-CL6-2021-FARM2FORK-01-16	RIA	12.00	Around 6.00	2
HORIZON-CL6-2021-FARM2FORK-01-17	IA	11.00	Around 11.00	1
HORIZON-CL6-2021-FARM2FORK-01-18	RIA	18.00	Around 6.00	3
HORIZON-CL6-2021-FARM2FORK-01-19	RIA	6.00	Around 6.00	1
Overall indicative budget		186.00		

Open: 22-Jun-2021
Deadline: **06-Oct-2021**

Enabling **sustainable farming**

Enabling **sustainable fisheries & aquaculture**

Transforming **food systems for health, sustainability & inclusion**

Targeted **international cooperation**

La oficina SOST del CDTI celebra una nueva sesión online sobre la estrategia Farm to Fork de la UE

10 junio, 2020



En el marco de su 9ª semana consecutiva de [sesiones online](#), la [oficina SOST](#) del CDTI en Bruselas, organizó el pasado 4 de junio una sesión dedicada a la [estrategia Farm to Fork](#) de la UE. La reunión, a cargo Ricard Ramon i Sunoy (Jefe de Unidad de la Dirección General para Agricultura y Desarrollo Rural de la Comisión Europea - [DG AGRI](#)), ofreció una visión general de los principales mandatos de la DG AGRI para el próximo marco financiero de la UE, así como aspectos ligados a la implementación de la estrategia "Farm to Fork" y su relación con las líneas de apoyo a la innovación contenidas en la [Política Agraria Común \(PAC\)](#).



European food must remain safe, nutritious and of high quality. It must be produced with minimum impact on nature.

In EU budget 2021-2027

40% of Common Agriculture Policy should contribute to climate action

30% of the maritime fisheries fund should contribute to climate objectives



In spring 2020, the Commission will present a **Farm to Fork Strategy** to:

- make sure Europeans get affordable and sustainable food
- tackle climate change
- protect the environment
- preserve biodiversity
- increase organic farming





18th EUROPEAN WEEK of
REGIONS and **CITIES**

12-15 OCTOBER 2020 | BRUSSELS

**The Horizon Multi-actor-
Approach projects &
Thematic Networks
enhancing co-creation and
speeding up innovation**

Inge Van Oost
DG AGRI European Commission
Unit Research and Innovation



Enabling sustainable farming



- ❑ **HORIZON-CL6-2021-FARM2FORK-01-01: Reaching the Farm to Fork target: R&I scenarios for boosting organic farming and organic aquaculture in Europe, ONLY 1 RIA** → **Objective:** To evaluate the constraints and lock-ins for reaching the Farm to Fork Strategy target on organics and the necessary facilitating environment. Projects should analyse the uptake of organic farming (crops and livestock) and aquaculture across Europe and the reasons for their varied uptake.
- ❑ **HORIZON-CL6-2021-FARM2FORK-01-02: Developing sustainable and competitive land-based protein crop systems and value chains, ONLY 1 IA & TRL 5-8** → **Objective:** To identify the most suitable transition paths for sustainable land-based protein crop production in different pedo-climatic regions, and to develop strategies for sustainable and competitive regional protein-based crop systems and agri-food and feed chains.
- ❑ **HORIZON-CL6-2021-FARM2FORK-01-03: Digitalisation as an enabler of agroecological farming systems, ONLY 1 CSA** → **Objective:** To deliver a road-map for improving productivity and sustainability performance of agroecological farming systems by assessing the availability of digital and data-based solutions tailored to agroecological farming [...].



- ❑ **HORIZON-CL6-2021-FARM2FORK-01-04: Tackling outbreaks of plant pests, 2 RIAs of 7M€ → Objective:** To target one or more plant pest(s) that are either Union quarantine plant pests present in the EU or Union quarantine pests which are priority pests in the EU, which are of concern for agriculture and/or forestry. [...] improve methods & strategies for surveillance, management & control.

- ❑ **HORIZON-CL6-2021-FARM2FORK-01-05: Animal welfare 2.0, ONLY 1 RIA → Objective:** To analyse and integrate different data collected from farms and to develop algorithms to interpret this data in relation to animal welfare.

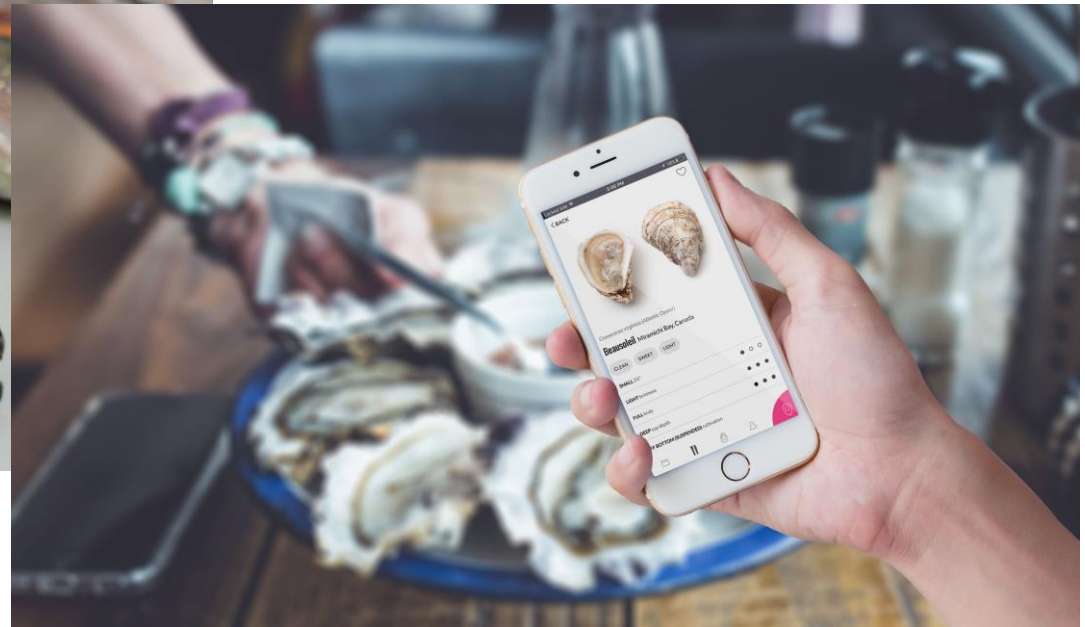
- ❑ **HORIZON-CL6-2021-FARM2FORK-01-06: Vaccines and diagnostics for priority animal diseases, 2 IAs (TRL 6-7) of 6M€ → Objective:** To develop in terrestrial livestock and relevant wildlife, improvement in vaccine technologies, products, underpinning knowledge and related diagnostics, as well to look into the feasibility of vaccine production based on vaccine platforms. → Participation of industry is highly recommended & take into account results from projects of the ICRAD ERA-NET.



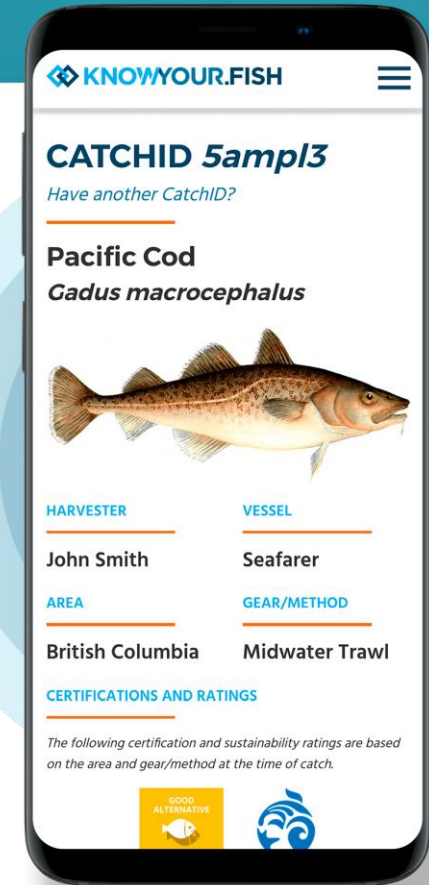
- ❑ **HORIZON-CL6-2021-FARM2FORK-01-07: R&I roadmap for blockchain technologies in the agri-food sector, ONLY 1 CSA → Objective:** To develop a coherent portfolio of R&I activities in the wider area of blockchain technologies in the field of agri-food.
- ❑ **HORIZON-CL6-2021-FARM2FORK-01-08: Uncovering lock-ins and levers to encourage farmers to move to and stay in sustainable, climate-neutral and biodiversity friendly food production systems: from experiments to systemic mechanisms, 3 RIAs of 4M€ → Objective:** To investigate farmers' decision-making & the broader food systems / environment (context) within which they have to operate & uncover what locks them in unsustainable practices & incentivises them for moving/staying in sustainable production systems. → JRC may be part of the consortium!
- ❑ **HORIZON-CL6-2021-FARM2FORK-01-09: Towards an EU approach to assess and internalise positive and negative externalities of food for incentivising sustainable choices, ONLY 1 RIA → Objective:** To analyse the internalisation of both positive & negative climate, biodiversity, environmental, social & health externalities in the price of food for consumers & to generate fair economic returns to sustainable producers.

Enabling sustainable fisheries & aquaculture

- ❑ **HORIZON-CL6-2021-FARM2FORK-01-10: Sea to Fork transparency and consumer engagement, 2 IAs of 5M€ & TRL 6-8 → Objective:** To improve our understanding and to develop new approaches and tools (e.g. new methods to trace origin, interoperable data technologies) that will provide fully traceable records on how seafood is produced, processed and transported. → **International co-operation** with partners from non-associated third countries is encouraged & building upon projects from the European Maritime and Fisheries Fund.



❑ **HORIZON-CL6-2021-FARM2FORK-01-11: Digital transition supporting inspection and control for sustainable fisheries, 2 IAs of 5M€ & TRL 6-8 → Objective:** To develop new technological solutions to improve: (i) detection of illegal discards; (ii) checks on weighing, weighing systems and accurate catch registration; (iii) data management and reporting and third-party reporting based on remote electronic monitoring systems on vessels; (iv) risk management applied to fisheries; (v) monitoring and control of small-scale, recreational and long-distance fleet, (vi) electronic marking of fishing gear, (vii) identifying IUU activities as well as fisheries products stemming from those activities, (viii) promoting data standards and protection, remote access to data and automatic data exchange protocols, and (ix) innovative tools to assess compliance with technical requirements and measures applicable to fishing vessels, such as continuous engine power monitoring.




 European Commission

Putting the Blue into the Green

Sustainable Blue Economy

17 May 2021
#EUGreenDeal
#BeGreenGoBlue



"We have an opportunity to start afresh, and we want to make sure that the recovery shifts the focus from mere exploitation to sustainability and resilience. Thus to be truly green, we must also think blue."

Virginijus Sinkevičius,
European Commissioner for Environment, Oceans and Fisheries

The **EU blue economy** will help to deliver both the European recovery and the European Green Deal. The objective is a strong **sustainable, resilient and climate-neutral model blue economy**.

The shift to sustainability will open up tangible opportunities for new jobs and businesses. Offshore renewable, green infrastructure, and ecotourism, e.g., offer huge economic prospects, as well as environmental gains.

The European blue economy

All industries and sectors related to oceans, seas and

4.5 million

jobs

€650 billion

turnover


Circular economy

The new EU action plan on zero pollution offers an opportunity to step up action to tackle pollution from plastic, nutrients and contaminants, and underwater noise. Ship recycling will also contribute to the circular economy.

- The new **European Maritime, Fisheries and Aquaculture Fund** (€6 billion for 2021-2027) will continue to provide financial support for fishers to retrieve and collect litter and lost fishing gears

27,000 tonnes

of plastics in European seas each year



30% marine protected areas by 2030

Biodiversity


Marine biodiversity is essential for fisheries and our coastal economies. **Marine protected areas** have led to **increased biodiversity and larger fish stocks**, and also contribute to climate mitigation and resilience. They offer opportunities for sustainable tourism and new activities such as bio-technology.

- Every euro invested in marine protected areas generates a return of at least 3 euros

€350 billion

per year

cost of inaction




Climate adaptation

Adaptation activities, such as developing green infrastructure in coastal areas and protecting coastlines from the risk of erosion and flooding will help **preserve biodiversity** and landscapes, while benefiting tourism and the **coastal economy**.

€350 billion

per year

cost of inaction



Sustainable food


Sustainable food requires responsible fishing to bring stocks to sustainable levels, sustainable aquaculture and new sources of food and feed, for instance from algae production. New marketing standards will give consumers a transparent choice of sustainable seafood.

- Proteins from sustainable aquaculture and algae have a much **smaller carbon footprint** than land-based animal proteins

€350 billion

per year

cost of inaction



The new Sustainable Blue Economy communication:

- calls on all maritime players to base their activities on the responsible use of natural resources, on decarbonisation and on circular economy concepts
- sets out a detailed agenda for greening the blue economy, underpinned by international ocean governance
- facilitates coexistence and synergies of economic activities in the maritime space through Maritime Spatial Planning, without damaging the environment
- proposes a series of actions to boost investment in research (e.g. Mission on Oceans and Waters), skills and innovation, and mobilizes financing opportunities under the new European Maritime, Fisheries and Aquaculture Fund, and other EU Programmes (e.g. Resilience and Recovery Facility)



EUROPEAN COMMISSION

Brussels, 17.5.2021
COM(2021) 240 final

COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS

**on a new approach for a sustainable blue economy in the EU
Transforming the EU's Blue Economy for a Sustainable Future**



**Transforming food systems for
health, sustainability & inclusion**

□ **HORIZON-CL6-2021-FARM2FORK-01-12:** Filling knowledge gaps on nutritional, safety, allergenicity and environmental assessment of alternative proteins and dietary shift, **ONLY 1 RIA** → **Objective:** To study all alternative sources of proteins as well their pros & cons from different aspects (nutritional, economic, industrial...).

□ **HORIZON-CL6-2021-FARM2FORK-01-13:** Evidence-based decision-making to change social norms towards zero food waste, **2 RIAs of 6-7M€** → **Objective:** For

- ✓ OR well A) Developing a comprehensive evidence-based analysis of food loss and waste prevention actions, with the overall aim of informing decision-making.
- ✓ OR well B) Supporting R&I on the existing social norms responsible for food waste to foster appropriate changes in consumer behaviour and business practices.



❑ **HORIZON-CL6-2021-FARM2FORK-01-14: Microbes for healthy and sustainable food and diets, ONLY 1 RIA** → **Objective:** To study scientific underpinning, verification and elucidation of these investigative human microbiome symbiotic relationship that could also be associated to more health disorders and the cause of chronic diseases, and the role of food into maintain this symbiosis.

❑ **HORIZON-CL6-2021-FARM2FORK-01-15: Transition to healthy and sustainable dietary behaviour, ONLY 1 RIA** → **Objective:** For analysing the change of dietary behaviour in the impact on human health. → Connection with the future topic in cluster-1 HORIZON-HLTH-STAYHLTH-2022-01-05: “Prevention of obesity through the life course”.

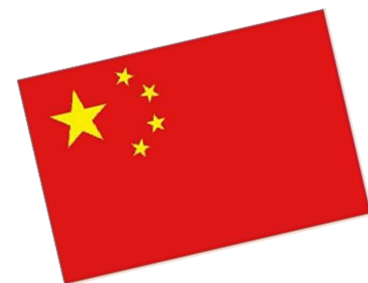


- **HORIZON-CL6-2021-FARM2FORK-01-16:** Identification, assessment and management of existing and emerging food safety issues, **2 RIAs of 6M€** → **Objective:** To study food-borne diseases which are an important cause of morbidity and mortality.



- **HORIZON-CL6-2021-FARM2FORK-01-17:** Increasing the transparency of EU food systems to boost health, sustainability and safety of products, processes and diets, **ONLY 1 IA in format of “Cascading grants” for solutions within TRL 6-7 (focus on SMEs & micro-SMES)** → **Objective:** For developing transparency solutions in EU food systems, to boost health, sustainability and safety of products, processes and diets towards 2030, and drive climate action. → **Prices to these SMEs of about 100k€-300k€.**

Targeted international cooperation



☐ **HORIZON-CL6-2021-FARM2FORK-01-18: One health approach for Food Nutrition Security and Sustainable Agriculture (FNSSA), 3 RIAs of 6 M€ & Including 6 participants from Africa → Objective:** To identify local farm animals and crops in the different agro-ecological zones in Africa; to develop innovative means including innovative methodologies for risk assessments and practices to tackle current and emerging plant diseases [...] → **FOCUS on RURAL AREAS of AFRICA.**

☐ **HORIZON-CL6-2021-FARM2FORK-01-19: EU-China international cooperation on integrated pest management in agriculture, **ONLY 1 RIA & Chinese partners are funded by their Ministry of Science and Technology, China (MOST).** → Objective:** To enlarge the range of tools available for integrated pest management practices; to develop technologies enabling prevention, modelling and monitoring of pest emergence; risk assessments & Farmers' trainings.

Destination – 3

Circular economy and bioeconomy sectors



Link among the KSOs and Destination-3...

Proposals under this Destination proposals should contribute to **ONE or MORE** of the following impacts:

- **Regional, rural, local/urban and consumer-based transitions** towards a sustainable, regenerative, inclusive and just circular economy and bioeconomy across all regions of Europe [...]
- European **industrial sustainability, competitiveness and resource independence by lowering the use of primary non-renewable raw materials and reducing greenhouse gas emissions** and other negative environmental footprint (including on biodiversity), [...] developing innovative and sustainable value-chains in the bio-based sectors, substituting fossil-based ones, increasing circular practices in textiles, plastics, electronics and construction, developing recycling technologies and industrial symbiosis, [...];
- **Improved consumer and citizen benefits**, including in the rural settings by establishing circular and bio-based systems based on sustainability, inclusiveness, health and safety [...];
- **Multi-functionality and management of forests in Europe** based on the three pillars of sustainability (economic, environmental and social);
- Enlarged potential of **marine and freshwater biological resources and blue biotechnology** to deliver greener (climate-neutral circular) industrial products and processes, and to help characterise, monitor and sustain the health of aquatic ecosystems for a healthy planet and people.

ATTENTION: When considering their impact, proposals also need to assess their compliance with the **“Do No Significant Harm” principle!**

Topics	Type of Action	Budgets (EUR million)	Expected EU contribution per project (EUR million) ¹⁸²	Number of projects expected to be funded	
		2021			
Opening: 15 Apr 2021 Deadline(s): 01 Sep 2021					
HORIZON-CL6-2021-CIRCBIO-01-01		IA	20.00	5.00 to 10.00	3
HORIZON-CL6-2021-CIRCBIO-01-02		CSA	10.00	0.40 to 2.00	6
HORIZON-CL6-2021-CIRCBIO-01-03		IA	18.00	5.00 to 7.00	3
HORIZON-CL6-2021-CIRCBIO-01-04		IA	22.00	6.00 to 8.00	3
HORIZON-CL6-2021-CIRCBIO-01-05		IA	12.00	Around 6.00	2
HORIZON-CL6-2021-CIRCBIO-01-06		IA	10.00	Around 5.00	2
HORIZON-CL6-2021-CIRCBIO-01-07		IA	6.00	Around 6.00	1
HORIZON-CL6-2021-CIRCBIO-01-08		CSA	9.00	Around 3.00	3
HORIZON-CL6-2021-CIRCBIO-01-09		IA	18.00	Around 9.00	2
Overall indicative budget			125.00		

Open: 22-Jun-2021
 Deadline: **06-Oct-2021**

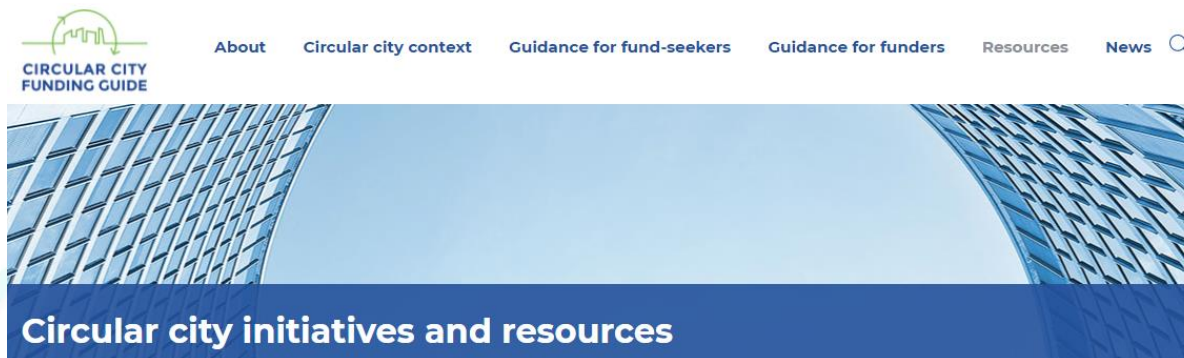
Enabling a **circular economy transition**

Innovating **sustainable bio-based systems & the bioeconomy**

Innovating for **blue bioeconomy & biotechnology value chains**

Enabling a circular economy transition

- ❑ **HORIZON-CL6-2021-CIRCBIO-01-01: Circular Cities and Regions Initiative (CCRI)'s circular systemic solutions, IAs of 5-10 M€ & TRL 6-8 → Objective:** To implement and demonstrate circular systemic solutions for the deployment of the circular economy (including the circular bioeconomy) in cities, regions or their groupings. → **Attention:** Check compulsory activities to perform within the CCRI. & Connection with the topic Green Deal Call's topic 'LC-GD-3-2-2020 - Demonstration of systemic solutions for the territorial deployment of the circular economy'.
- ❑ **HORIZON-CL6-2021-CIRCBIO-01-02: Circular Cities and Regions Initiative's Project Development Assistance (CCRI-PDA), SEVERAL CSAs of 0.4-2 M€ → Objective:** To support building technical, economic and legal expertise needed for project development and leading to the launch of concrete investments.



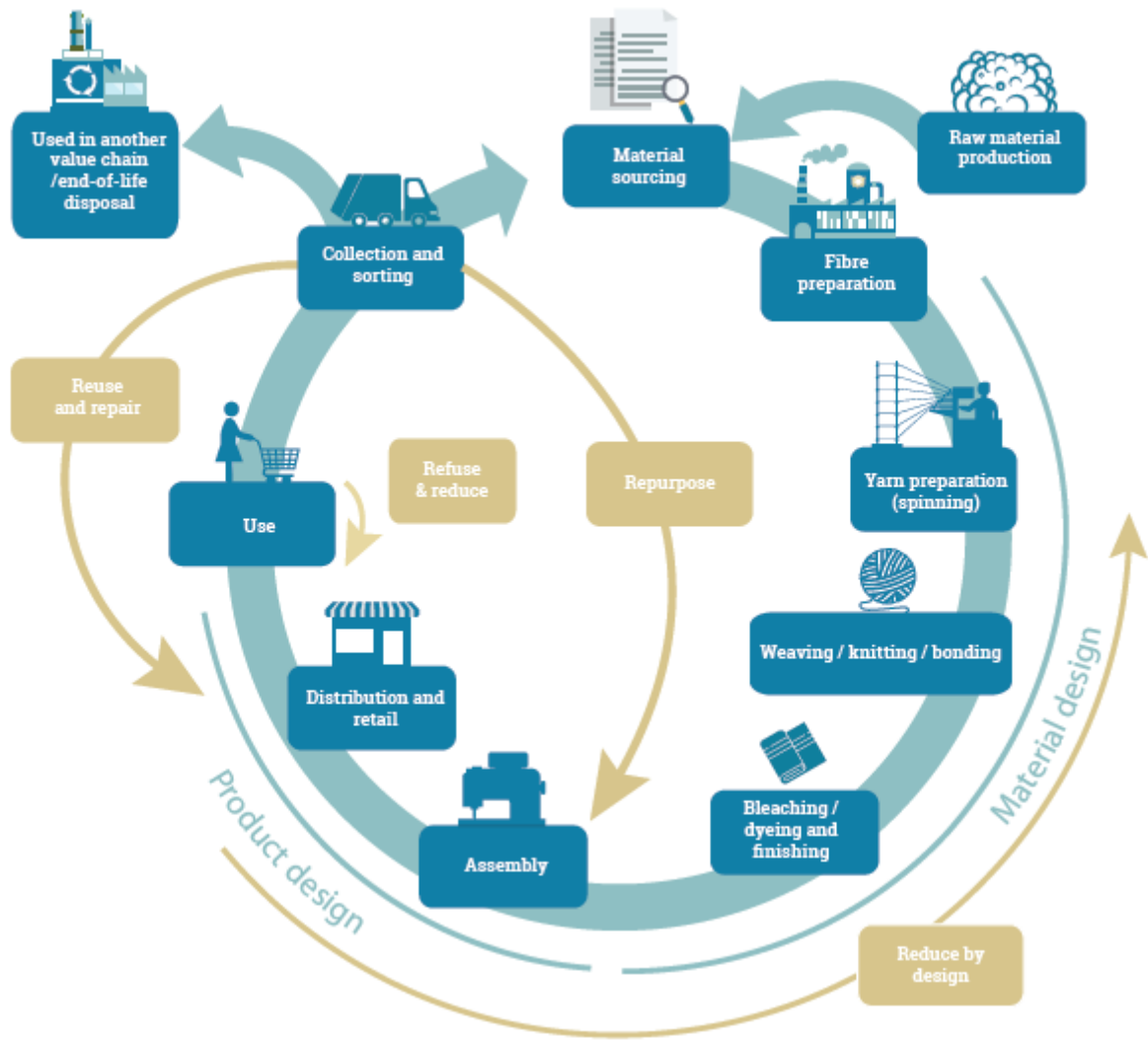
<https://www.circularcityfundingguide.eu/circular-city-initiatives-and-resources/>

- ❑ **HORIZON-CL6-2021-CIRCBIO-01-03: Innovative solutions to over-packaging and single-use plastics, and related microplastic pollution, IAs of 5-7 M€ & TRL 6-8**
→ **Objective:** To demonstrate at large scale and validate innovative solutions that are quantitatively relevant and replicable under diverse economic and social conditions, through better design, alternative materials, business models promoting reuse, recycling, upcycling, deposit systems, smart labelling, sensor-based sorting, etc. to tackle over-packaging and single-use plastics in consumer goods and food packaging.



HORIZON-CL6-2021-CIRCBIO-

01-04: Increasing the circularity in textiles, plastics and/or electronics value chains, **IAs of 6-8 M€ & TRL 6-8** → **Objective:** Projects should demonstrate and deploy at large scale innovative solutions and designs for increased quality, non-toxicity and durability of secondary materials and increased share of secondary materials in new products. Projects should demonstrate increased recovery, recycling and upcycling rates and a higher uptake of secondary materials for high value applications.



Innovating sustainable bio-based systems & the bioeconomy

❑ **HORIZON-CL6-2021-CIRCBIO-01-05: Novel, non-plant biomass feedstocks for industrial applications, 2 IAs of 6 M€ & TRL 7** → **Objective:** To develop and demonstrate techno-economic viability of the bio-based production platforms applying the resource efficiency principles [...]

❑ **HORIZON-CL6-2021-CIRCBIO-01-06: Contained biomass solutions for sustainable and zero-Indirect Land Use Change (ILUC) production systems for high value applications, 2 IAs of 5 M€ & TRL 7** → **Objective:** To develop bio-based production platforms applying resource-efficient principles [...] → **International cooperation!**



❑ **HORIZON-CL6-2021-CIRCBIO-01-07: Microbiomes for bio-based innovation and environmental applications, ONLY 1 IA of 6 M€ & TRL 6-7** → **Objective:** To develop methods for molecular cartography, quantitative determination of genus and metabolites as well as establishment of R&D resources (e.g. inventories, catalogues, “reference microbiomes”, databases etc.). NO marine microbiomes!
→ **International cooperation!** the bioeconomy.

❑ **HORIZON-CL6-2021-CIRCBIO-01-08:**
Mainstreaming inclusive small-scale bio-based solutions in European rural areas, 3 CSAs of 3 M€
→ **Objective:** To establish regional platforms providing innovation support services to multi-actor partnerships (e.g. farmers, foresters, clusters, business support organisations, civil society organisations including non-governmental organisations, etc.) and increase awareness, education and understanding of the bioeconomy.



Innovating for blue bioeconomy & biotechnology value chains

□ **HORIZON-CL6-2021-CIRCBIO-01-09:** Unlocking the potential of algae for a thriving European blue bioeconomy, 2 las of 9M€ & TRL7 → Objective: To demonstrate viable concepts for the cultivation and processing of algae into circular bio-based products and services (e.g. medical, cosmetics, fine and speciality chemicals and remediation) and food/feed systems. → **QUITE FOCUSED IN EU-MARKET & EU-CONSUMERS!**



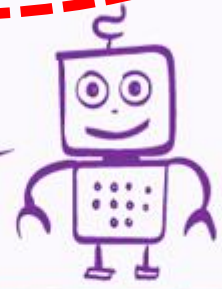
Last but not least...

REGISTRATION
OPEN

EUROPEAN RESEARCH & INNOVATION DAYS

23 → 24
JUNE 2021

DIGITAL EVENT



#RiDaysEU



Let's shape the future together

European Research and Innovation Days is the European Commission's annual flagship Research and Innovation event, bringing together policymakers, researchers, entrepreneurs and the public to debate and shape the future of research and innovation in Europe and beyond.

The event will take place online on 23 and 24 June 2021, allowing everyone to get involved from anywhere.

Stay updated

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Save the dates:

Horizon Europe info-days to be held between 28-Jun & 9-Jul 2021

The **online** 10-day event will give the opportunity to prospective applicants, and other stakeholders of EU research and innovation, to receive information and ask questions about the novelties, main funding instruments and processes of Horizon Europe.

The Horizon Europe info-days will address 9 themes, each featuring a programme of exclusive discussions and hands-on sessions, dedicated to a different cluster or part of the new programme.

The 9 themes will take place following the **Horizon Europe info-days calendar:**

- 28 Jun - **Infrastructures**
- 20 & 30 Jun - **Digital, industry & space (cluster 4)**
- 30 June - **Civil security for society (cluster 3)**
- 1 July - **Culture, creativity & inclusive society (cluster 2)**
- 1 July - **The Marie Skłodowska-Curie Actions: what is new under Horizon Europe**
- 2 July - **Health (cluster 1)**
- 5 & 6 July - **Climate, energy & mobility (cluster 5)**
- 7 & 8 July - **Food, bioeconomy, natural resources, agriculture & environment (cluster 6)**
- 9 July - **European Research Area (ERA) & Widening**

The Horizon Europe info-days will be **open for participation without prior registration**. → More information and practical details in the [event website](#).

Horizon Europe Info Days 2021
The EU Research & Innovation Programme 2021-2027

HORIZON EUROPE Info days 2021
From June 28th till July 9th

Cluster / Theme	Dates	More Information
Infrastructures	28-06-2021	More information to follow >
Cluster 4 - Digital, Industry & Space	28-06-2021 - 30-06-2021	See the programme >
Cluster 3 - Civil Security for Society	30-06-2021	See the programme >
Cluster 2 - Culture, Creativity & Inclusive Society	01-07-2021	See the programme >
The Marie Skłodowska-Curie Actions: what's new under Horizon Europe	01-07-2021	More information to follow >
Cluster 1 - Health	02-07-2021	See the programme >
Cluster 5 - Climate, Energy & Mobility	05-07-2021 - 06-07-2021	More information to follow >
Cluster 6 - Food, Bioeconomy, Natural Resources, Agriculture & Environment	07-07-2021 - 08-07-2021	See the programme >
ERA + Widening	08-07-2021	More information to follow >

European Climate, Infrastructure and Environment Executive Agency

European Commission > CINEA > Events > SAVE-THE-DATE - LIFE EU Info Days 22 - 25 June 2021

INFO DAYS

SAVE-THE-DATE - LIFE EU Info Days 22 - 25 June 2021

LIFE will launch its first calls in June 2021.

Make sure you join the LIFE EU Info Days and learn all about the new LIFE programme, its funding opportunities and how to apply.

Environmental protection | Climate change

The future is green. The future is LIFE

Discover the EU's LIFE programme for the environment and climate action

5 500+ LIFE projects
have flourished since 1992

1 100 projects
in action

€5.4 billion
in funding for 2021 - 2027

60% more
than the previous period

#LIFEProgramme



NATURE AND BIODIVERSITY



CLEAN ENERGY TRANSITION

4 sub-programmes



CLIMATE CHANGE MITIGATION AND ADAPTATION



CIRCULAR ECONOMY AND QUALITY OF LIFE

Many thanks!

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Coordinator of the Spanish Capacity Building
Programme at CDTI-SOST

