

# Horizon Europe

## Cluster 6 Info Days 2021

### Detailed Programme

#### Overview

Wed 7 July				Thu 8 July							
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09:00	<b>Introduction</b>  <b>Policy context</b>  <b>Presentation of the 2021 Work Programme</b>  <b>Horizon Europe novelties and guidance for quality proposals</b>			<b>Destination 1 (cont.)</b>  <b>Biodiversity and ecosystem services</b>	<b>Destination 2</b>  <b>Fair, healthy and environment-friendly food systems from primary production to consumption</b>	<b>Destination 3</b>  <b>Circular economy and bioeconomy sectors</b>					
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11:30				<b>Missions on Oceans and Soil</b>							
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13:30	<b>Destination 1</b>  <b>Biodiversity and ecosystem services</b>	<b>Destination 7</b>  <b>Innovative governance, environmental observations and digital solutions in support of the Green Deal</b>	<b>Destination 5</b>  <b>Land, ocean and water for climate action</b>	<b>Destination 4</b>  <b>Clean environment and zero pollution</b>	<b>Destination 2 (cont.)</b>  <b>Fair, healthy and environment-friendly food systems from primary production to consumption</b>	<b>Destination 7 (cont.)</b>  <b>Innovative governance, environmental observations and digital solutions in support of the Green Deal</b>					
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16:15				<b>Destination 6</b> <b>Resilient, inclusive, healthy and green rural, coastal and urban communities</b>							
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## Day 1 (7 July 2021)

9:00 – 12:45

### Plenary session

#### Welcome, general presentation of the Cluster 6 2021 Work Programme, Horizon Europe novelties and guidance for quality proposals

**09:00** Welcome

*Paul Webb, Head of Department "Green Europe", REA*

**09:15** Introduction to Horizon Europe and Cluster 6: from policy priorities to the first Cluster 6 Work Programme

- **Horizon Europe Cluster 6, key enabler of the ecological transition**

*John Bell, Director DG R&I B "Healthy Planet"*

- **Cluster 6 and the long-term strategic approach to European agricultural R&I**

*Nathalie Sauze-Vandevyver, Director AGRI B "Quality policy, Research & Innovation, Outreach*

- **Cluster 6 and European Green Deal priorities**

*Gilles Gantelet, Director ENV A "Policy, Coordination, LIFE Governance and Resources"*

#### Q&A

**10:20** Horizon Europe Cluster 6 explained

*Caroline Pottier RTD C5 "Ecological and Social Transitions", Natalia Brzezina AGRI B2 "Research & Innovation"*

#### Q&A

**11:00** Break

**11:15** Horizon Europe novelties and cross cutting aspects

*Isabel Vergara, RTD H3 "Common Service for Business Processes"*

**11:40** The Multi-Actor Approach : a requirement under some Cluster 6 topics

*Inge Van Oost, AGRI B2 "Research & Innovation"*

**11:45** Key aspects of the evaluation process and advice for quality proposals

*Marco Recchioni and Alessandro Chiodini, Call Coordinators, REA*

#### Q&A

## Destination 1: Biodiversity and ecosystem services

### Introduction

#### 1 Understanding biodiversity decline

HORIZON-CL6-2021-BIODIV-01-01	European participation in global biodiversity genomics endeavours aimed at identifying all biodiversity on Earth
HORIZON-CL6-2021-BIODIV-01-02	Data and technologies for the inventory, fast identification and monitoring of endangered wildlife and other species groups
HORIZON-CL6-2021-BIODIV-01-03	Understanding and valuing coastal and marine biodiversity and ecosystems services
HORIZON-CL6-2021-BIODIV-01-04	Assess and predict integrated impacts of cumulated direct and indirect stressors on coastal and marine biodiversity, ecosystems and their services

Q&A

#### 2. Valuing and restoring biodiversity and ecosystem services

HORIZON-CL6-2021-BIODIV-01-05	The economics of nature-based solutions: cost-benefit analysis, market development and funding
HORIZON-CL6-2021-BIODIV-01-06	Nature-based Solutions, prevention and reduction of risks and the insurance sector
HORIZON-CL6-2021-BIODIV-01-07	Ecosystems and their services for evidence-based policy and decision-making
HORIZON-CL6-2021-BIODIV-01-08	Supporting the development of a coherent and resilient Trans-European Nature Network

Q&A

Break

HORIZON-CL6-2021-BIODIV-01-09	Assessing and consolidating recent scientific advances on freshwater ecosystem restoration
HORIZON-CL6-2021-BIODIV-01-10	Demonstration of measures and management for coastal and marine ecosystems restoration and resilience in simplified socio-ecological systems
HORIZON-CL6-2021-BIODIV-01-11	What else is out there? Exploring the connection between biodiversity, ecosystems services, pandemics and epidemic risk
HORIZON-CL6-2021-BIODIV-01-12	Improved Science based Maritime Spatial Planning and identification of marine protected areas

Q&A

#### 3. Managing biodiversity in primary production

HORIZON-CL6-2021-BIODIV-01-13	Breeding for resilience: focus on root-based traits
HORIZON-CL6-2021-BIODIV-01-14	Fostering organic crop breeding

Q&A

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

### Introduction

#### 1. Innovating with governance models and supporting policies

HORIZON-CL6-2021-GOVERNANCE-01-01	Mobilising the network of National Contact Points in Cluster 6
HORIZON-CL6-2021-GOVERNANCE-01-02	Furthering food systems science and federating researchers across the ERA
HORIZON-CL6-2021-GOVERNANCE-01-03	Preparatory action for the Horizon Europe Food System Partnership
HORIZON-CL6-2021-GOVERNANCE-01-04	Strengthening bioeconomy innovation and deployment across sectors and all governance levels

Q&A

HORIZON-CL6-2021-GOVERNANCE-01-05	Fostering strategic advice and synergies between national and EU Research and Innovation agendas, including SCAR foresight
HORIZON-CL6-2021-GOVERNANCE-01-10	Raising awareness of circular and sustainable bioeconomy in support of Member States to develop bioeconomy strategies and/or action plans
HORIZON-CL6-2021-GOVERNANCE-01-11	Education on bioeconomy including bio-based sectors for young people in primary and secondary education in Europe
HORIZON-CL6-2021-GOVERNANCE-01-12	EU agriculture within a safe and just operating space and planetary boundaries
HORIZON-CL6-2021-GOVERNANCE-01-13	Modelling land use and land management in the context of climate change

Q&A

Break

#### 2. Deploying and adding value to Environmental Observations

HORIZON-CL6-2021-GOVERNANCE-01-14	User-oriented solutions building on environmental observation to monitor critical ecosystems and biodiversity loss and vulnerability in the European Union
HORIZON-CL6-2021-GOVERNANCE-01-15	Preparing for pre-commercial procurement (PCP) for end-user services based on Environmental Observation in the area Climate Change Adaptation and Mitigation
HORIZON-CL6-2021-GOVERNANCE-01-16	Tools to support the uptake and accessibility/exploitability of environmental observation information at European and global level
HORIZON-CL6-2021-GOVERNANCE-01-17	Common European Green Deal data space to provide more accessible and exploitable environmental observation data in support of the European Green Deal priority actions

Q&A

13:30 – 16:15

## Destination 5: Land, ocean and water for climate action

### Introduction

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HORIZON-CL6-2021-CLIMATE-01-01	Improved understanding, observation and monitoring of water resources availability
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HORIZON-CL6-2021-CLIMATE-01-02	European Partnership Water Security for the Planet (Water4All)
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HORIZON-CL6-2021-CLIMATE-01-03	Key oceanic and polar processes driving regional & global climate change
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Q&A

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HORIZON-CL6-2021-CLIMATE-01-04	Demonstration network on climate-smart farming – linking pilot farms
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HORIZON-CL6-2021-CLIMATE-01-05	Agroecological approaches for climate change mitigation, resilient agricultural production and enhanced biodiversity
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Q&A

Break

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HORIZON-CL6-2021-CLIMATE-01-06	Resilient livestock farming systems under climate change
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HORIZON-CL6-2021-CLIMATE-01-07	International Research Consortium on (agricultural) soil carbon
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HORIZON-CL6-2021-CLIMATE-01-08	Agroforestry to meet climate, biodiversity and farming sustainability goals
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Q&A

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HORIZON-CL6-2021-CLIMATE-01-09	Enhancing science-based knowledge on EU forests', including old-growth forests, capacities to mitigate climate change
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HORIZON-CL6-2021-CLIMATE-01-10	EU-China international cooperation on increasing the resilience of forests
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Q&A

## Day 2 (8 July 2021)

09:00 – 11:00

### Destination 1: Biodiversity and ecosystem services (Continued)

#### Introduction

#### 4. Enabling transformative change on biodiversity

HORIZON-CL6-2021-BIODIV-01-15	Quantify impacts of the trade in raw and processed biomass on ecosystems, for offering new leverage points for biodiversity conservation, along supply chains, to reduce leakage effects
HORIZON-CL6-2021-BIODIV-01-16	Biodiversity, water, food, energy, transport, climate and health nexus in the context of transformative change
HORIZON-CL6-2021-BIODIV-01-17	Policy mixes, governance (including financing) and decision-making tools for transformative action for biodiversity
HORIZON-CL6-2021-BIODIV-01-18	Understanding the impacts of and the opportunities offered by digital transformation, new emerging technologies and social innovation with respect to biodiversity

Q&A

#### 5. Interconnecting biodiversity research and supporting policies

HORIZON-CL6-2021-BIODIV-01-19	A mechanism for science to inform implementation, monitoring, review and ratcheting up of the new EU Biodiversity Strategy for 2030 (“Science Service”)
HORIZON-CL6-2021-BIODIV-01-20	Support to processes triggered by IPBES and IPCC
HORIZON-CL6-2021-BIODIV-01-21	Impact and dependence of business on biodiversity
HORIZON-CL6-2021-BIODIV-02-01	Rescuing Biodiversity to Safeguard Life on Earth

Q&A

11:15 – 12:15

### Missions 2021 topics with focus on Ocean and Soil

#### Introduction

Horizontal Mission topics in 2021

Mission on healthy oceans, seas coastal and inland waters

Mission on soil health and food

Q&A

09:00 – 12:15

## Destination 2: Fair, healthy and environment-friendly food systems from primary production to consumption

### Introduction

#### 1 Enabling sustainable farming

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HORIZON-CL6-2021-FARM2FORK-01-01	Reaching the Farm to Fork target: R&I scenarios for boosting organic farming and organic aquaculture in Europe
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HORIZON-CL6-2021-FARM2FORK-01-02	Developing sustainable and competitive land-based protein crop systems and value chains
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HORIZON-CL6-2021-FARM2FORK-01-03	Digitalisation as an enabler of agroecological farming systems
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Q&A

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HORIZON-CL6-2021-FARM2FORK-01-04	Tackling outbreaks of plant pests
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HORIZON-CL6-2021-FARM2FORK-01-05	Animal welfare 2.0
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HORIZON-CL6-2021-FARM2FORK-01-06	Vaccines and diagnostics for priority animal diseases
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Q&A

Break

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HORIZON-CL6-2021-FARM2FORK-01-07	Research & Innovation Roadmap for Blockchain technologies in the agri-food sector
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HORIZON-CL6-2021-FARM2FORK-01-08	Uncovering lock-ins and levers to encourage farmers to move to and stay in climate-neutral and sustainable food production systems: from experiments to systemic mechanisms
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HORIZON-CL6-2021-FARM2FORK-01-09	Towards an EU approach to assess and internalise positive and negative externalities of agri-food products for incentivising sustainable choices
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Q&A

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HORIZON-CL6-2021-FARM2FORK-01-10	Sea to Fork transparency and consumer engagement
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HORIZON-CL6-2021-FARM2FORK-01-11	Digital transition supporting inspection and control for sustainable fisheries
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Q&A

## Destination 3: Circular economy and bioeconomy sectors

### Introduction

#### 1. Enabling a circular economy transition

HORIZON-CL6-2021-CircBio-01-01	Circular Cities and Regions Initiative (CCRI)'s circular systemic solutions
HORIZON-CL6-2021-CircBio-01-02	Circular Cities and Regions Initiative's Project Development Assistance (CCRI-PDA)
HORIZON-CL6-2021-CircBio-01-03	Innovative solutions to over-packaging and single-use plastics, and related microplastic pollution
HORIZON-CL6-2021-CircBio-01-04	Increasing the circularity in textiles, plastics and/or electronics value chains

Q&A

#### 2. Innovating sustainable bio-based systems and the bioeconomy

HORIZON-CL6-2021-CircBio-01-05	Novel, non-plant biomass feedstocks for industrial applications
HORIZON-CL6-2021-CircBio-01-06	Contained biomass solutions for sustainable and zero-Indirect Land Use Change (ILUC) production systems for high value applications

Q&A

Break

HORIZON-CL6-2021-CircBio-01-07	Microbiomes for bio-based innovation and environmental applications
HORIZON-CL6-2021-CircBio-01-08	Mainstreaming inclusive small-scale bio-based solutions in European rural areas

Q&A

#### 4. Innovating for blue bioeconomy and biotechnology value chains

HORIZON-CL6-2021-CircBio-01-09	Unlocking the potential of algae potential for a thriving European blue bioeconomy
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Q&A



13:30 – 15:30

## Destination 4: Clean environment and zero pollution

### Introduction

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HORIZON-CL6-2021-ZEROPOLLUTION-01-01	Regional nitrogen and phosphorus load reduction approach within safe ecological boundaries
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HORIZON-CL6-2021-ZEROPOLLUTION-01-02	Optimization of nutrient budget in primary production
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HORIZON-CL6-2021-ZEROPOLLUTION-01-03	Preventing and managing diffuse pollution in urban water runoff
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### Q&A

HORIZON-CL6-2021-ZEROPOLLUTION-01-04	Achieving zero polluted seas and oceans
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HORIZON-CL6-2021-ZEROPOLLUTION-01-05	Environmental sustainability criteria for biological feedstock production and trade in bio-based systems: impacts and trade-offs
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### Q&A

### Break

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HORIZON-CL6-2021-ZEROPOLLUTION-01-06	Increasing the environmental performance of industrial processes in bio-based sectors: construction, woodworking, textiles, pulp and paper and bio-chemicals
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HORIZON-CL6-2021-ZEROPOLLUTION-01-07	International and EU sustainability certification schemes for bio-based systems
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HORIZON-CL6-2021-ZEROPOLLUTION-01-08	New genomic techniques (NGT): understanding benefits and risks – focus on bio-based innovation
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### Q&A

HORIZON-CL6-2021-ZEROPOLLUTION-01-09	Environmental impacts and trade-offs of alternative fertilising products at global/local scale
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HORIZON-CL6-2021-ZEROPOLLUTION-01-10	Environmental services: improved bioremediation and revitalization strategies for soil, sediments and water
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### Q&A

13:30 – 17:30

## Destination 2: Fair, healthy and environment-friendly food systems from primary production to consumption (continued)

### Introduction

#### 3. Transforming food systems for health, sustainability and inclusion

HORIZON-CL6-2021-FARM2FORK-01-12	Filling knowledge gaps on nutritional, safety, allergenicity and environmental assessment of alternative proteins and dietary shift
HORIZON-CL6-2021-FARM2FORK-01-13	Evidence-based decision-making to change social norms towards zero food waste
HORIZON-CL6-2021-FARM2FORK-01-14	Microbes for healthy and sustainable food and diets

Q&A

HORIZON-CL6-2021-FARM2FORK-01-15	Transition to healthy and sustainable dietary behaviour
HORIZON-CL6-2021-FARM2FORK-01-16	Identification, assessment and management of existing and emerging food safety issues
HORIZON-CL6-2021-FARM2FORK-01-17	Increasing the transparency of EU food systems to boost health, sustainability and safety of products, processes and diets

Q&A

#### 4. Targeted international cooperation

HORIZON-CL6-2021-FARM2FORK-01-18	One health approach for Food Nutrition Security and Sustainable Agriculture (FNSSA)
HORIZON-CL6-2021-FARM2FORK-01-19	EU-China international cooperation on integrated pest management in agriculture

Q&A

15:45 – 17:30

## Destination 6: Resilient, inclusive, healthy and green rural, coastal and urban communities

### Introduction

HORIZON-CL6-2021-COMMUNITIES-01-01	Grasping rural diversity and strengthening evidence for tailored policies enhancing rural communities' contribution to ecological, digital and social transitions
HORIZON-CL6-2021-COMMUNITIES-01-02	Expertise and training centre on rural innovation
HORIZON-CL6-2021-COMMUNITIES-01-03	Smart XG, last-mile and edge solutions for remote farming, forestry and rural areas
HORIZON-CL6-2021-COMMUNITIES-01-04	Socio-economic empowerment of the users of the sea

Q&A

HORIZON-CL6-2021-COMMUNITIES-01-05	Integrated urban food system policies – how cities and towns can transform food systems for co-benefits
HORIZON-CL6-2021-COMMUNITIES-01-06	Inside and Outside: educational innovation with nature-based solutions

Q&A

13:30 – 17:30

## Destination 7: Innovative governance, environmental observations and digital solutions in support of the Green Deal (continued)

### Introduction

#### 1. Innovating with governance models and supporting policies (2)

HORIZON-CL6-2021-GOVERNANCE-01-06	Environmental and social cross-compliance of marine policies
HORIZON-CL6-2021-GOVERNANCE-01-07	Regional governance models in the Bioeconomy
HORIZON-CL6-2021-GOVERNANCE-01-08	Improving understanding of and engagement in bio-based systems with training and skills development
HORIZON-CL6-2021-GOVERNANCE-01-09	Revitalisation of European local communities with innovative bio-based business models and social innovation

Q&A

#### 3. Digital and data technologies as key enablers

HORIZON-CL6-2021-GOVERNANCE-01-18	Mapping and improving the data economy for food systems
HORIZON-CL6-2021-GOVERNANCE-01-19	Development of the markets and use of digital technologies and infrastructure in agriculture – State of play and foresight: Digital- and Data technologies for the agricultural sector in a fast changing regulatory, trade and technical environment
HORIZON-CL6-2021-GOVERNANCE-01-20	Data economy in the field of agriculture – Effects of data sharing and big data
HORIZON-CL6-2021-GOVERNANCE-01-21	Potential of drones as multi-purpose vehicle – risks and added values
HORIZON-CL6-2021-GOVERNANCE-01-22	Assessing the impacts of digital technologies in agriculture – Cost, benefits, and potential for sustainability gains

Q&A

Break

#### 4. Strengthening agricultural knowledge and innovation systems

HORIZON-CL6-2021-GOVERNANCE-01-23	Broaden EIP Operational Group outcomes across borders by means of Thematic networks, compiling and sharing knowledge ready for practice
HORIZON-CL6-2021-GOVERNANCE-01-24	Supporting knowledge exchange between all AKIS actors in the Member States by means of an EU-wide interactive knowledge reservoir
HORIZON-CL6-2021-GOVERNANCE-01-25	Improving national AKIS organisation in a co-creative process across the EU

Q&A

HORIZON-CL6-2021-GOVERNANCE-01-26	Deepening the functioning of innovation support
HORIZON-CL6-2021-GOVERNANCE-01-27	Developing EU advisory networks on consumer-producer chains
HORIZON-CL6-2021-GOVERNANCE-01-28	Thematic networks to compile and share knowledge ready for practice

Q&A