

#innovacion
#ayudascdti
#asesoramiento
#internacionalizacion



Infoday Baleares Clúster 6 y Clúster 5-Clima Horizonte Europa



HORIZONTE

EUROPA
@HorizonteEuropa

Juan Carlos García Carrasco



@JCGarcia_CDTI

7 de noviembre de 2023

THE EU RESEARCH & INNOVATION PROGRAMME

HORIZON EUROPE



Presupuesto Horizonte Europa: lo que sabemos, 95.517 MEUR

PILAR 1 – CIENCIA EXCELENTE	25.011	PILAR 2 - RETOS MUNDIALES Y COMPETITIVIDAD INDUSTRIAL EUROPEA	53.516	PILAR 3 – INNOVACIÓN ABIERTA	13.597
ERC - Consejo Europeo de Investigación	16.004	Clúster 1 - Salud	8.246	EIC- Consejo Europeo de Innovación	10.105
MSCA - Acciones Marie Skłodowska-Curie	6.602	Clúster 2 - Cultura, creatividad y sociedad inclusiva	2.280	Ecosistemas de innovación europea	527
Infraestructuras de investigación	2.406	Clúster 3 - Seguridad	1.596	EIT - Instituto Europeo de Innovación y Tecnología	2.965
		Clúster 4 - Digital, industria y espacio	15.349		
		Clúster 5 - Clima, energía y movilidad	15.123		
		Clúster 6 - Alimentación, bioec. recursos naturales, agricultura y MA	8.952		
		JRC – Centro Común de Investigación	1.970		

Ampliar la Participación y Fortalecer el Espacio Europeo de Investigación	3.393
Ampliar la participación y difundir la excelencia	2.955
Reformar y mejorar el sistema europeo de la I+i	438

Incl 5.000 M€ Next Generation EU

**Incl 4.000 M€
(acuerdo político MFP)**

El proceso de participación



LA IDEA



CONVOCATORIA



EL CONSORCIO



LA PROPUESTA



REVISION



EL ENVÍO



EVALUACIÓN



EL ACUERDO



PROYECTO

¿Por dónde empezar?



EN

Horizon Europe
Work Programme 2023-2024

12. Missions

(European Commission Decision C(2023) 2178 of 31 March 2023)



EN

Horizon Europe
Work Programme 2023-2024

8. Climate, Energy and Mobility

(European Commission Decision C(2023) 2178 of 31 March 2023)



Horizon Europe - Work Programme 2023-2024
Climate, Energy and Mobility

Table of contents

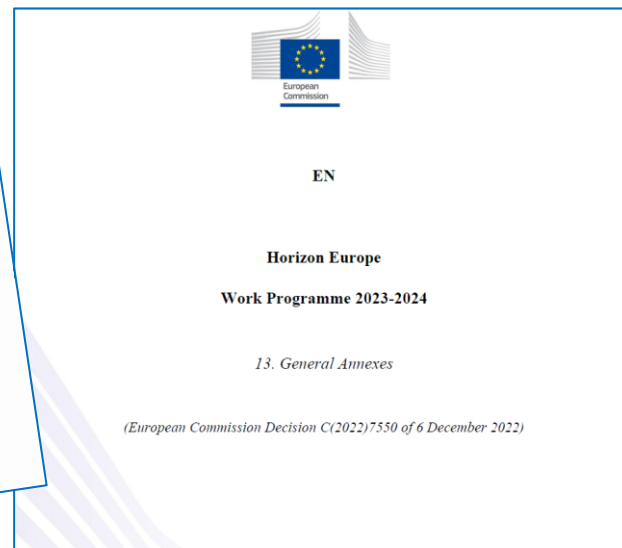
Introduction	16
Destination – Climate sciences and responses for the transformation towards climate neutrality	22
Call - Climate sciences and responses	25
Conditions for the Call	25
Earth system science	26
HORIZON-CL5-2023-D1-01-01: Further climate knowledge through advanced science and technologies for analysing Earth observation and Earth system model data	26
HORIZON-CL5-2023-D1-01-02: Climate-related tipping points	28
HORIZON-CL5-2023-D1-01-03: Climate impacts of a hydrogen economy	31
HORIZON-CL5-2023-D1-01-04: Improved knowledge in cloud-aerosol interaction	33
Climate change mitigation, pathways to climate neutrality	36
HORIZON-CL5-2023-D1-01-05: Science for successful, high-integrity voluntary climate initiatives	36
HORIZON-CL5-2023-D1-01-06: Broadening the range of policy options in transition pathway analysis	38
Climate change impacts and adaptation	41
HORIZON-CL5-2023-D1-01-07: Modelling for local resilience - Developments in support of local adaptation assessments and plans	41
Social science, citizen science and behavioural science for climate action	44
HORIZON-CL5-2023-D1-01-08: Solar Radiation Modification: governance of research	44
HORIZON-CL5-2023-D1-01-09: Behavioural change and governance for systemic transformations towards climate resilience	46
HORIZON-CL5-2023-D1-01-10: Improving the evidence base regarding the impact of sustainability and climate change education and related learning outcomes	49
International cooperation	52
HORIZON-CL5-2023-D1-01-11: Needs-based adaptation to climate change in Africa	52
Call - Climate sciences and responses	55
Conditions for the Call	55
International cooperation	56
HORIZON-CL5-2023-D1-02-01: EU-China international cooperation on data and model development for pathways to carbon neutrality: focusing on decarbonisation, energy efficiency and socio-economic implications of the transition	56
HORIZON-CL5-2023-D1-02-02: EU-China international cooperation on blue carbon	60
Call - Climate sciences and responses	62
Conditions for the Call	62
Earth system science	64

Principales características de las convocatorias

- Mayoritariamente **abiertas** y **competitivas**
- Convocatorias con presentación en **1 o 2 etapas**
- **Equilibrio** entre Investigación e Innovación (rango de TRLs más amplio)

Horizon Europe - Work programme 2023-2024
General Annexes

Table of contents	3
INTRODUCTION	4
GENERAL CONDITIONS	4
A — Admissibility	6
B — Eligibility	18
C — Financial and operational capacity and exclusion	21
D — Award criteria	25
E — Documents	26
F — Procedure	29
G — Legal and financial set-up of the grant agreements	36
SPECIFIC CONDITIONS FOR ACTIONS WITH PCP/PPI	36
H — Specific conditions for actions implementing pre-commercial procurement or procurement of innovative solutions	36



Tipos de acción más comunes en HE-Pilar II

Research and Innovation Action (RIA)

Actividades que generan nuevo conocimiento o exploran la viabilidad de una tecnología, producto, proceso, servicio o solución nueva o sustancialmente mejorada.

Innovation Action (IA)

Actividades dirigidas directamente a la elaboración de planes y sistemas o diseños de productos, procesos o servicios nuevos, modificados o mejorados, pudiendo incluir el desarrollo de prototipos, realización de ensayos, demostración y realización de ejercicios piloto, validación de productos a gran escala y replicación en el mercado.

Coordination and Support Action (CSA)

Actividades que contribuyen a los objetivos de Horizonte Europa. Se excluyen actividades de I+D+I, a excepción del área “Widening participation and spreading excellence”

Pre-commercial Procurement Actions (PCP)

Actividades cuyo objetivo es ayudar a grupos de “compradores públicos” para el lanzamiento de convocatorias de compra pública de tecnología pre-comercial, durante las cuales se desarrollará la tecnología, se validará y se lanzarán despliegues de primeras soluciones.

Condiciones básicas de elegibilidad - Consorcio

Tipo de Acción	Consorcio mínimo - Beneficiarios
RIA / IA PCP /PPI*	Al menos 3 entidades independientes, 1 de uno de los EEMM y otras 2 de EEMM o PPAA diferentes
CSA*	Como mínimo una entidad de algún EM o PA
ERC EIC	Como mínimo una entidad de algún EM o PA
P. Cofund Acciones de formación y movilidad	Como mínimo una entidad de algún EM o PA

Se pueden establecer **condiciones adicionales** sobre el consorcio mínimo y/o el tipo de participante a nivel de convocatoria/*topic*.

* Algunos detalles adicionales en estos casos (General Annexes WP 2023-2024)

Condiciones generales de financiación

Tipos de acción	Porcentaje MÁXIMO de financiación
Acciones de investigación e innovación (RIA)	100%
Acciones de innovación (IA)	Hasta 70% 100% - entidades sin ánimo de lucro
Acciones de coordinación y apoyo (CSA)	100%
Acciones de cofinanciación de programas (CoFund)	Entre el 30 y el 70%
Acciones de Innovación e Implantación en el Mercado (IMDA)	Hasta 70% 100% - entidades sin ánimo de lucro
Acciones de Movilidad y Formación (TMA)	100%
Compra Pública Precomercial (PCP)	100%
Compra Pública de Soluciones Innovadoras (PPI)	50%

Propuesta: Admisibilidad y Elegibilidad

Admisibilidad

- Se envían electrónicamente a través del F & T Portal
- Tienen que estar completas, ser legibles, accesibles e imprimibles
- Deben incluir un plan de explotación y difusión de resultados, incluyendo actividades de comunicación
- Plan de Igualdad (GEP) es obligatorio desde 2022, para entidades públicas, organismos de investigación y centros de educación superior

Elegibilidad

- **Condiciones mínimas** de HE + Adicionales en convocatorias/ “topics”

CLÚSTER 5-CLIMA



HORIZON EUROPE

EURATOM

SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND

*Exclusive focus on
defence research
& development*

Research
actions

Development
actions

SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT*

Exclusive focus on civil applications



Pillar I
EXCELLENCE
SCIENCE

European Research
Council

Marie Skłodowska-Curie

Research Infrastructures



Pillar II
GLOBAL CHALLENGES
& EUROPEAN
INDUSTRIAL

Clusters

- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- **Climate**, Energy & Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

Joint Research Centre

EU Missions



Pillar III
INNOVATIVE
EUROPE

European Innovation
Council

European Innovation
Ecosystems

European Institute of
Innovation & Technology*

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming & Enhancing the European R&I system

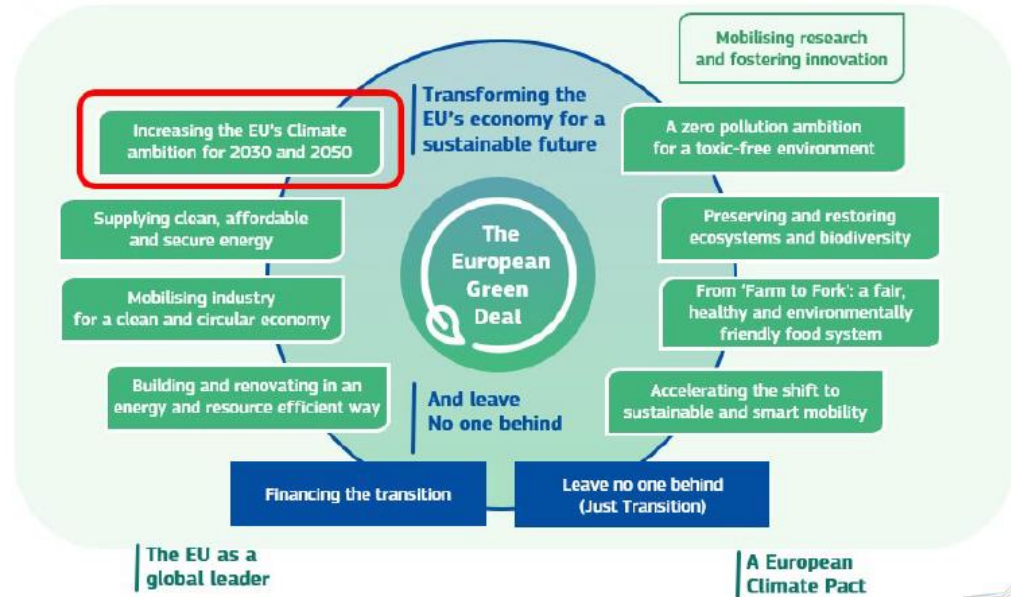
Fusion

Fission

Joint
Research
Center

Climate science: providing evidence base for the European Green Deal

- European Climate Law:
 - 2050 climate-neutrality objective
 - 2030 target & Fit for 55
 - 2040 target
 - The EU Strategy on Adaptation to Climate Change
- Climate mainstreaming in other EU policies
- International climate diplomacy:
 - Paris Agreement:
 - GST2023, 2028
 - Post-2030 NDCs
 - Revision of long-term strategies...
 - G7, G20,...



What do we expect from EU-funded climate science?

- Closing key knowledge gaps & building scientific consensus
- Keep contributing to IPCC & IPBES
- Generating policy-relevant insights to help navigate the transitions
- Guiding question: how do we move from awareness to action?
- More proactive relationship between science, policy & society needed to build support for paradigm shift
- Connecting natural science with SSH
- Communication & outreach beyond specialised audience

Cluster 5 work programme – Overview

Destination 1 – Climate science

Climate science

Destination 2 – Cross-cutting solutions

Batteries

[Batt4EU partnership]

Other cross cutting issues

Destination 3 – Energy supply

Renewable energy

Energy system, grids and storage

CCUS

Destination 4 – Energy demand

Buildings

[incl. Built4People partnership]

Industry

Destination 5 – Transport modes

Zero-emission road transport

[2ZERO partnership]

Aviation

Waterborne transport

[incl. ZEWT partnership]

Transport-related health and environmental issues

Destination 6 – Transport and Smart Mobility services

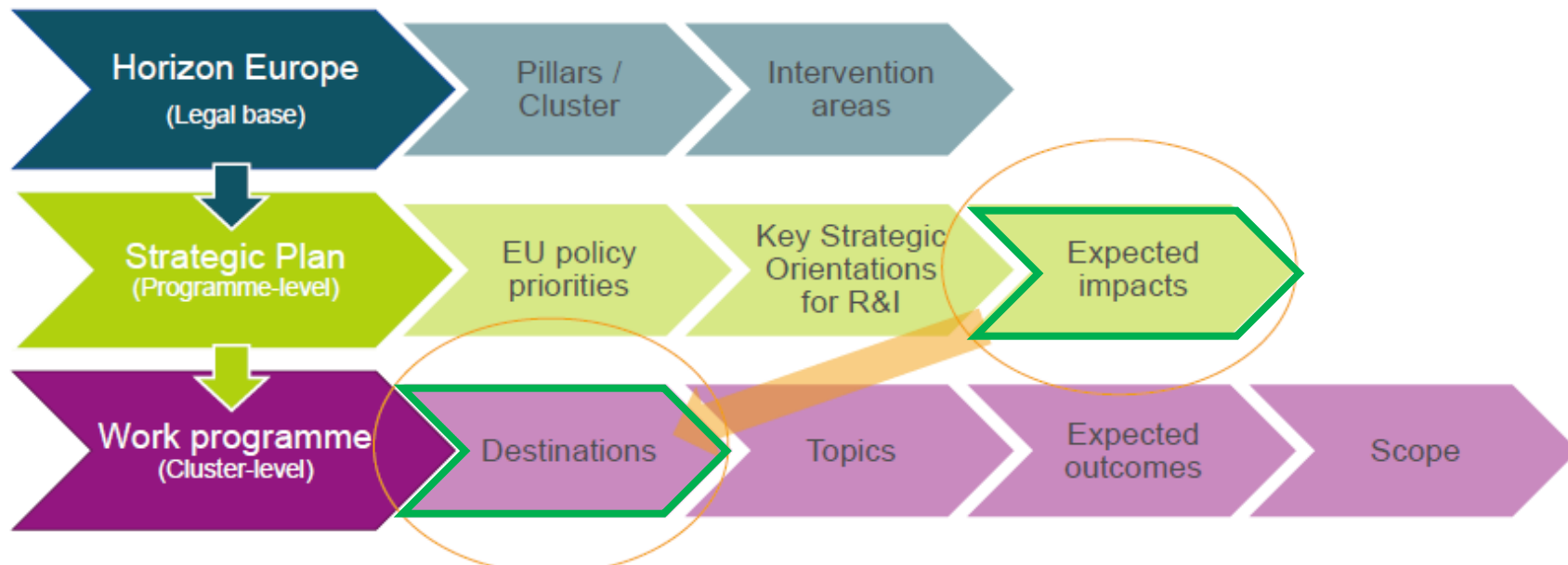
Connected, Cooperative and Automated Mobility

[CCAM partnership]

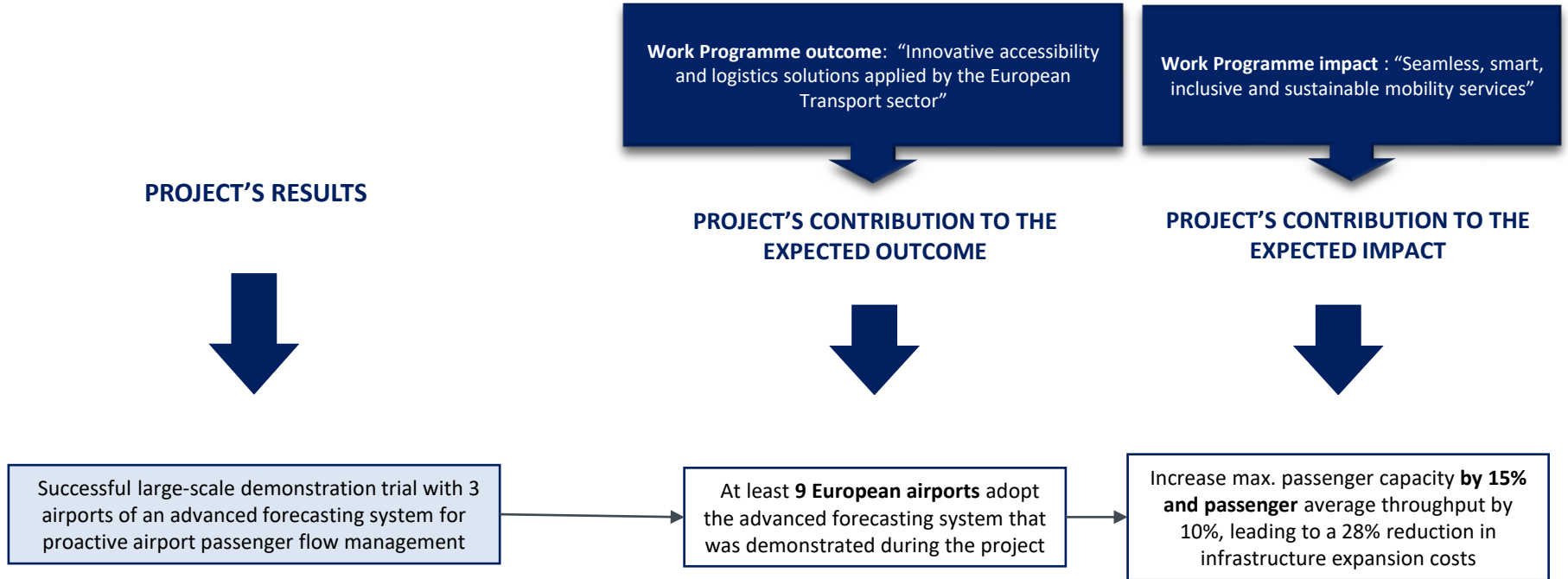
Multimodal and sustainable transport systems for passengers and goods

Safety and resilience

Horizonte Europa – de la base legal al programa de trabajo



Expected Outcomes and Impacts - Ejemplo



HORIZON-CL5-2024-D1-01

Earth system science	
HORIZON-CL5-2024-D1-01-01	Enhanced quantification and understanding of natural and anthropogenic methane emissions and sinks
HORIZON-CL5-2024-D1-01-02	Inland ice, including snow cover, glaciers, ice sheets and permafrost, and their interaction with climate change
HORIZON-CL5-2024-D1-01-03	Paleoclimate science for a better understanding of the short- to long-term evolution of the Earth system
Climate change mitigation, pathways to climate neutrality	
HORIZON-CL5-2024-D1-01-04	Improved toolbox for evaluating the climate and environmental impacts of trade policies
HORIZON-CL5-2024-D1-01-05	Next generation low-emission, climate-resilient pathways and NDCs for a future aligned with the Paris Agreement
HORIZON-CL5-2024-D1-01-06	The role of climate change foresight for primary and secondary raw materials supply
Climate-ecosystem interactions	
HORIZON-CL5-2024-D1-01-07	Quantification of the role of key terrestrial ecosystems in the carbon cycle and related climate effects

Opening: 12 Sep 2023

Deadline(s): 05 Mar 2024

HORIZON-CL5-2024-D1-01-01	RIA	15.00	Around 15.00	1
HORIZON-CL5-2024-D1-01-02	RIA	22.00	6.00 to 7.50	3
HORIZON-CL5-2024-D1-01-03	RIA	15.00	Around 15.00	1
HORIZON-CL5-2024-D1-01-04	RIA	12.00	Around 6.00	2
HORIZON-CL5-2024-D1-01-05	RIA	14.00	Around 4.50	3
HORIZON-CL5-2024-D1-01-06	RIA	5.00	Around 5.00	1
HORIZON-CL5-2024-D1-01-07	RIA	20.00	Around 10.00	2
Overall indicative budget		103.00		

Earth system science



D1-01-01: Enhanced quantification and understanding of natural and anthropogenic methane emissions and sinks

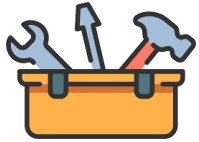


D1-01-02: Inland ice, including snow cover, glaciers, ice sheets and permafrost, and their interaction with climate change



D1-01-03: Paleoclimate science for a better understanding of the short- to long-term evolution of the Earth system

Climate change mitigation, pathways to climate neutrality



D1-01-04: Improved toolbox for evaluating the climate and environmental impacts of trade policies

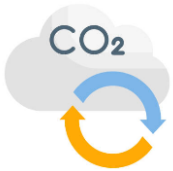


D1-01-05: Next generation low-emission, climate-resilient pathways and NDCs for a future aligned with the Paris Agreement



D1-01-06: The role of climate change foresight for primary and secondary raw materials supply

Climate-ecosystems interactions



D1-01-07: Quantification of the role of key terrestrial ecosystems in the carbon cycle and related climate effects

THE HORIZON EUROPE
FRAMEWORK PROGRAMME



Cluster 6: Food, Bioeconomy, Natural Resources, Agriculture and Environment



HORIZON EUROPE

EURATOM

SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND

*Exclusive focus on
defence research
& development*

Research
actions

Development
actions

SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT*

Exclusive focus on civil applications



Pillar I
**EXCELLENCE
SCIENCE**

European Research
Council

Marie Skłodowska-Curie

Research Infrastructures



Pillar II
**GLOBAL CHALLENGES
& EUROPEAN
INDUSTRIAL**

Clusters

- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- Climate, Energy & Mobility
- **Food, Bioeconomy, Natural Resources, Agriculture & Environment**

Joint Research Centre

EU Missions



Pillar III
**INNOVATIVE
EUROPE**

European Innovation
Council

European Innovation
Ecosystems

European Institute of
Innovation & Technology*

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

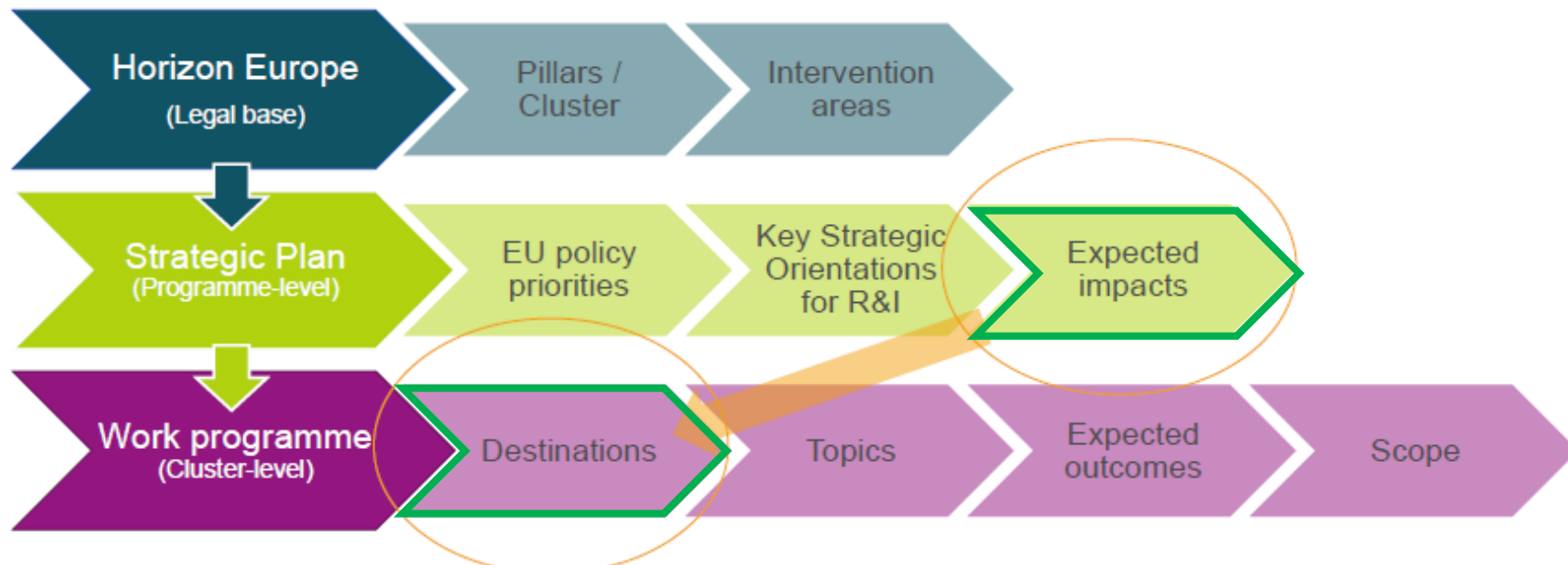
Reforming & Enhancing the European R&I system

Fusion

Fission

Joint
Research
Center


Horizonte Europa – de la base legal al programa de trabajo



De los expected impacts a los destinations...


Strategic Plan

Work Programme





Impact 1 Climate neutrality and adaptation to climate change

Destination 5: Land, oceans and water for climate action





Impact 2 Preservation and restoration of biodiversity and ecosystems

Destination 1: Biodiversity and ecosystem services




Impact 3 Sustainable and circular management of natural resources; tackling pollution; bioeconomy

Destination 3: Circular economy and bioeconomy sectors
Destination 4: Clean environment and zero pollution




Impact 4 Food and nutrition security for all from sustainable food systems from farm to fork

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



Impact 5 Balanced development of rural, coastal and urban areas

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



Impact 6 Innovative governance models enabling sustainability, environmental observation

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



Clúster 6, contribuyendo a políticas y estrategias

SUSTAINABLE DEVELOPMENT GOALS



Convocatorias 2024 – apertura 17/10/2023

CALL 2024	Opening date	First stage closing date	Closing date/ second stage closing date	Buget (mio€)
HORIZON-CL6-2024-BIODIV-01	17/10/2023		22/02/2024	76
HORIZON-CL6-2024-FARM2FORK-01			22/02/2024	95
HORIZON-CL6-2024-CircBio-01			22/02/2024	74,5
HORIZON-CL6-2024-ZEROPOLLUTION-01			22/02/2024	38
HORIZON-CL6-2024-CLIMATE-01			22/02/2024	75
HORIZON-CL6-2024-COMMUNITIES-01			22/02/2024	15
HORIZON-CL6-2024-GOVERNANCE-01			28/02/2024	133,5
HORIZON-CL6-2024-BIODIV-02-two-stages	17/10/2023	22/02/2024	17/09/2024	36
HORIZON-CL6-2024-FARM2FORK-02-two-stages		22/02/2024	17/09/2024	69
HORIZON-CL6-2024-CircBio-02-two-stages		22/02/2024	17/09/2024	73
HORIZON-CL6-2024-ZEROPOLLUTION-02-two-stages		21/02/2024	17/09/2024	23
HORIZON-CL6-2024-COMMUNITIES-02-two-stages		22/02/2024	17/09/2024	22
				730



DESTINATION 1

Biodiversity and Ecosystem Services



HORIZON-CL6-2024-BIODIV-01

Budget: 76mio€

17/10/2023 – 22/02/2024 (single stage)

2 IAs/7 RIAs



HORIZON-CL6-2024-BIODIV-02-two stage

Budget: 36mio€

17/10/2023 - 22/02/2024 (1st stage)-17/09/2024 (2nd stage)

2 IAs/ 1 RIA



CALLS 2024 – BIODIVERSITY AND ECOSYSTEMS SERVICES



Understanding and addressing the main drivers of biodiversity loss



Biodiversity protection and restoration



Mainstreaming biodiversity in society and economy



Biodiversity friendly practices in agriculture, forestry and aquaculture

HORIZON-CL6-2024-BIODIV-01

01-1. Invasive alien species

01-2. Digital for nature

01-3. Dependence of society and the economy on pollinators

01-4. Biodiversity, economics and finance: Understanding macro-financial risks associated with biodiversity loss

01-5. Transformative action of policy mixes, governance and digitalisation addressing biodiversity loss

01-6. Promoting pollinator friendly farming systems

01-7. Reintroduction of landscape features in intensive agricultural areas

01-8. Conservation and protection of carbon-rich and biodiversity-rich forest ecosystems

01-9. Selective breeding programme for organic aquaculture

HORIZON-CL6-2024-BIODIV-02 two stages

02-1. Demonstrating Nature-based Solutions for the sustainable management of water resources in a changing climate, with special attention to reducing the impacts of extreme droughts

02-2. Demonstrating the potential of Nature-based Solutions and the New European Bauhaus to contribute to sustainable, inclusive and resilient living spaces and communities

02-3. Promoting minor crops in farming systems

DESTINATION 2



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

HORIZON-CL6-2024-FARM2FORK-01

Budget: 95mio€

17/10/2023 – 22/02/2024 (single stage)

2 IAs / 8 RIAs / 1 CSA



HORIZON-CL6-2024-FARM2FORK-02-two stages

Budget: 69mio€

17/10/2023 - 22/02/2024 (1st stage)-17/09/2024 (2nd stage)

5IAs / 2 RIAs



D2. FAIR, HEALTHY AND ENVIRONMENT-FRIENDLY FOOD SYSTEMS FROM PRIMARY PRODUCTION TO CONSUMPTION



National, EU and global **food systems** are facing **sustainability challenges**, from primary production to consumption that could jeopardise food and nutrition security.

The **farm to fork strategy**, supports **transition to** more resilient and environmentally, socially and economically sustainable **food systems on land and at sea** that provide **healthy diets** for all and respect **planetary boundaries**.



Action plan for organic production in the EU



CALLS 2024 – FAIR, HEALTHY AND ENVIRONMENT-FRIENDLY FOOD SYSTEMS FROM PRIMARY PRODUCTION TO CONSUMPTION



Enabling sustainable farming systems

HORIZON-CL6-2024-FARM2FORK-01

01-1. Agro-pastoral/outdoor livestock systems and wildlife management



Enabling sustainable fisheries and aquaculture

01-2. New healthy and sustainable food products and processes

01-3. Thematic network tackling food fraud by translating research and innovation into practice

01-4. Climate change and food safety: effects of climate change on food safety across food systems

01-5. Creating smart and attractive tools to enhance healthy and sustainable food provision, eating and treating of food at home

01-6. Citizens' science as an opportunity to foster the transition to sustainable food systems

01-7. Impact of the development of novel foods based on alternative sources of proteins

01-8. Preventing and reducing food waste to reduce environmental impacts and to help reach 2030 climate targets

01-9. Microbiome for flavour and texture in the organoleptic dietary shift

01-10. EU-AU cooperation on agroforestry management for climate change adaptation and mitigation

01-11. EU-African Union – towards climate-neutral, social just fair trade food systems



Transforming food systems for health, sustainability and inclusion



Targeted international cooperation

HORIZON-CL6-2024-FARM2FORK-02-two-stage

02-1. Increasing the availability and use of non-contentious inputs in organic farming

02-2. Sustainable organic food innovation labs: reinforcing the entire value chain

02-3. Tools to increase the effectiveness of EU import controls for plant health

02-4. Tackling outbreaks of plant pests

02-5. Animal nutritional requirements and nutritional value of feed under different management conditions

02-6. Minimising climate impact on fisheries: mitigation and adaptation solutions for future climate regimes

02-7. Minimising climate impact on aquaculture: mitigation and adaptation solutions for future climate regimes



DESTINATION 3

Circular economy and bioeconomy sectors



HORIZON-CL6-2024-CircBio-01

Budget: 74,5mio€

17/10/2023 – 22/02/2024 (single stage)

4 las / 2 RIAs / 4 CSAs



HORIZON-CL6-2024-CircBio-02-two stages

Budget: 73mio€

17/10/2023 - 22/02/2024 (1st stage)-17/09/2024 (2nd stage)

4 las / 2 RIAs

CALLS 2024 – CIRCULAR ECONOMY AND BIO-BASED SYSTEMS



Enabling a circular economy transition



Innovating for sustainable bio-based systems, biotechnology and the bioeconomy



Innovating for blue bioeconomy and biotechnology value chains

HORIZON-CL6-2024-CircBio-01

- 01-1.** Circular Cities and Regions Initiative's project development assistance (CCRI-PDA)
- 01-2.** Circular solutions for textile value chains based on extended producer responsibility
- 01-3.** Innovative circular solutions for furniture
- 01-4.** Systemic circular solutions for a sustainable tourism
- 01-5.** Programmed biodegradation capability of bio-based materials and products, validated in specific environments including extreme environments
- 01-6.** Digital information systems for bio-based products
- 01-7.** Demonstrating the fair and just transition from GHG-intensive economies facing challenges towards circular bioeconomy model regions
- 01-8.** Bioeconomy project development assistance
- 01-9.** Circular bioeconomy start-up villages

01-10. Targeting aquatic extremophiles for sourcing novel enzymes, drugs, metabolites and chemicals

HORIZON-CL6-2024-CircBio-02-two-stage

- 02-1.** Circular solutions for textile value chains through innovative sorting, recycling, and design for recycling
- 02-2.** Increasing the circularity in plastics value chains
- 02-3.** Increasing the circularity in electronics value chains
- 02-4.** New circular solutions and decentralised approaches for water and wastewater management
- 02-5.** Circular design of bio-based technologies and products
- 02-6.** From silos to diversity – small-scale bio-based demonstration pilots

DESTINATION 4



Clean environment and zero pollution



HORIZON-CL6-2024-ZEROPOLLUTION-01

Budget: 38mio€

17/10/2023 – 22/02/2024 (single stage)

1 RIA / 1 IA / 1 CSA



HORIZON-CL6-2024-ZEROPOLLUTION-02-two stages

Budget: 23mio€

17/10/2023 - 22/02/2024 (1st stage)-17/09/2024 (2nd stage)

1 RIA / 1 IA

CALLS 2024 – CLEAN ENVIRONMENT AND ZERO POLLUTION



Halting pollution of air, soil and water

HORIZON-CL6-2024-ZEROPOLLUTION-01

01-1. Demonstrating how regions can operate within safe ecological and regional nitrogen and phosphorus boundaries

01-2. Best available techniques to recover or recycle fertilising products from secondary raw materials

HORIZON-CL6-2024-ZEROPOLLUTION-02- two stages

02-1. Holistic approaches for effective monitoring of water quality in urban areas

02-2. Innovative technologies for zero pollution, zero-waste biorefineries

02-3. Environmental impacts of food systems



Protecting drinking water and managing urban water pollution



Increasing environmental performances of bio-based processes



Reducing the environmental impact and pollution of food systems

DESTINATION 5



Land, oceans and water for climate action



HORIZON-CL6-2024-CLIMATE-01

Budget: 75mio€

17/10/2023 – 22/02/2024 (single stage)

2 IAs / 5 RIAs



CALL 2024 – LAND, OCEAN AND WATER FOR CLIMATE ACTION

01-1. Improving irrigation practices and technologies in agriculture

01-2. Socio-economic, climate and environmental aspects of paludiculture

01-3. Paludiculture: large-scale demonstrations

01-4. Land use change and local / regional climate

01-5. Climate-smart use of wood in the construction sector to support the New European Bauhaus

01-6. Ocean models for seasonal to decadal regional climate impacts and feedbacks

01-7. EU-China international cooperation on improving monitoring for better integrated climate and biodiversity approaches, using environmental and Earth observation





DESTINATION 6

Resilient, inclusive, healthy and green rural, coastal and urban communities



HORIZON-CL6-2024-COMMUNITIES-01

Budget: 15mio€

17/10/2023 – 22/02/2024 (single stage)

1 IAs / 2RIAs



HORIZON-CL6-2024-COMMUNITIES-02-two stages

Budget: 22mio€

17/10/2023 - 22/02/2024 (1st stage)-17/09/2024 (2nd stage)

2 IAs



CALL 2024 - RESILIENT, INCLUSIVE, HEALTHY AND GREEN RURAL, COASTAL AND URBAN COMMUNITIES

HORIZON-CL6-2024-COMMUNITIES-01

01-1. Unlock the potential of the New European Bauhaus in urban food system transformation

01-2. Societal perceptions and benefits of rural life and jobs: will COVID 19 generate a long-lasting shift?

01-3. Participation and empowerment of Arctic coastal, local, and indigenous communities in environmental decision-making

HORIZON-CL6-2024-COMMUNITIES-02-two-stage

02-1. Innovating for climate-neutral rural communities by 2050

02-2. New sustainable business and production models for farmers and rural communities





DESTINATION 7

Innovative governance, environmental observations and digital solutions in support of the Green Deal



- HORIZON-CL6-2024-GOVERNANCE-01
- Budget: 133,5mio€
- 17/10/2023 – 22/02/2024 (single stage)
- 2 RIAs / 8 CSAs / 1 PCP / 1 Co-fund

CALL 2024 - INNOVATIVE GOVERNANCE, ENVIRONMENTAL OBSERVATIONS AND DIGITAL SOLUTIONS IN SUPPORT OF THE GREEN DEAL



Innovating with governance models and supporting policies

- 01-1.** European Partnership for a climate neutral, sustainable and productive Blue Economy (second instalment)
- 01-2.** Regional ecosystems of innovation to foster food system transformation
- 01-3.** The role of mainstream media, social media and marketing in fostering healthy and sustainable consumption patterns and how to encourage good practices



Deploying and adding value to Environmental Observations

- 01-5.** Customisation/pre-operationalisation of prototypes end-user services in the area Climate Change Adaptation and Mitigation
- 01-6.** Develop innovative applications to support the European Green Deal, building on meteorological satellite data



Digital and data technologies as key enablers

- 01-7.** Enhancing working conditions and strengthening the work force through digital and data technologies – the potential of robotics and augmented reality in agriculture



Strengthening agricultural knowledge and innovation systems

- 01-8.** Broaden EIP Operational Group outcomes across borders by means of thematic networks to compile and share knowledge ready for practice
- 01-10.** Thematic networks to compile and share knowledge ready for practice
- 01-11.** Biodiversity thematic networks to compile and share knowledge ready for practice
- 01-12.** Developing EU advisory networks on forestry
- 01-13.** Developing EU advisory networks on sustainable livestock systems

Multiactor approach en Horizonte Europa

Interactive innovation model

→ *multi-actor approach*



*“We do not only do R&I for practitioners,
but also with practitioners.”*

– Commissioner Janusz Wojciechowski

Practitioners (end-users) are put at the center of the R&I activities all over the whole course of the project.

- ✓ *their practical expertise is used to co-create innovative solutions;*
- ✓ *it makes them co-owner of the results;*
- ✓ *they implement them in practice;*
- ✓ *they share them in peer-to-peer meetings*

In this way we can achieve much quicker and bigger impact in practice!



Fuente: Infoday CE – 28/09/2023

¿Por qué el MAA es importante?

El enfoque multi-actor es un “**criterio de elegibilidad**”

El **49% de los topics** de las convocatorias 2024 del Clúster 6 son MAA (37 de 76).
Afecta a IAs, RIAs, CSAs y Co-fund.

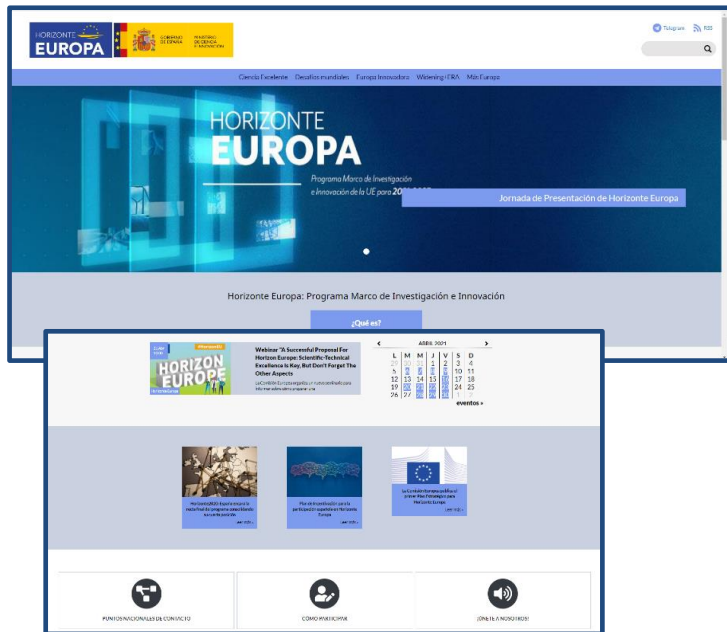
<i>Eligibility conditions</i>	The conditions are described in General Annex B. The following exceptions apply: The following additional eligibility criteria apply : The proposals must use the multi-actor approach . See definition of the multi-actor approach in the introduction to this work programme part.
-------------------------------	---

Convocatorias 2024
Topics MAA por Destination

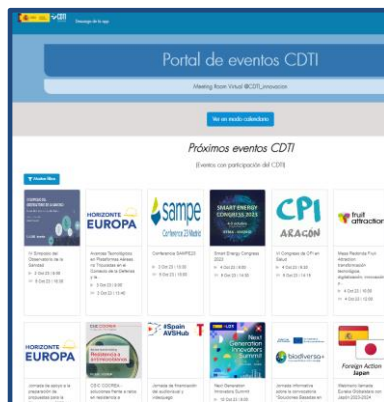
Destination	N topics	MAA
D1 Biodiversity	12	1
D2 Farm2fork	18	13
D3 CircBio	16	4
D4 Zeropollution	5	1
D5 Climate	7	4
D6 Communities	5	4
D7 Governance	13	10

Portal español de Horizonte Europa y nueva web CDTI

<https://www.horizonteeuropa.es/>



Nueva web cdti: www.cdti.es , con acceso al portal de eventos CDTI y las nuevas listas de distribución



<https://eventos.cdti.es/>



PROGRAMA MARCO - HORIZONTE EUROPA

Listas relacionadas con el Programa Marco de I+D+i de la UE, Horizonte Europa, y las temáticas gestionadas por CDTI

Clúster 6 - Alimentación, Bioeconomía, Recursos Naturales, Agricultura y Medioambiente

Programa Marco: Bioeconomía y Medioambiente

Información sobre el Clúster 6 de HE, CBE y otras iniciativas UE relacionadas

GREENET, Red de NCPs de Clúster 5



<https://horizoneuropencpportal.eu/cluster-5>



[GREENET newsletter](#)
[@NCP_GREENET](#)

GREENET Partner Search Tool

An online database that manages Cluster 5 networking opportunities.

<https://greenet-partner-search-tool.b2match.io/>

The GREENET Partner Search Tool brings together organisations (Coordinators as well as partners) from across the world. This is a unique opportunity to generate new contacts and collaborate on potential Horizon Europe projects. Meetings will take place in a dedicated area and will be arranged in advance by means of this website throughout the whole year (2023).

The second purpose of the Greenet platform is online events. Stay updated with our online events by checking out the "Events" tab.



GREENET - Network of NCPs for Cluster 5

GREENET is the international network of **National Contact Points (NCPs) for Cluster 5 "Climate, Energy and Mobility"**, supporting research and innovation activities for the Horizon Europe Framework Programme. The GREENET network consists of 19 partner organisations from different EU Member States and Associated Countries.



Partner Search



Open Calls

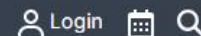


Useful Tools



Upcoming Events

CARE4BIO, Red de NCPs de Clúster 6



[CARE4BIO](#) ▾ [Find your NCP](#) [Activities](#) ▾ [News](#) [Repository](#) [Funding opportunities](#) [Subscribe to newsletter!](#)



CARE4BIO is here to service your specific needs in all matters related to Cluster 6.

CARE4BIO consists of 26 partners around Europe willing to assist you in your Cluster 6 related endeavor.

Here you will find valuable information, material, seminars, workshops and contact information all in one place.

CARE4BIO site will keep its audience well informed on all publications & news items related to Cluster 6 from the European Commission.

Bookmark this page to stay engaged and don't forget to sign up for the newsletter!

El equipo de apoyo al participante. Clúster 5-Clima



Juan Carlos García

Clima

CDTI

juancarlos.garcia@cdti.es

+34 91 581 55 62



Ana Tardón

Clima

CIEMAT

anamaria.tardon@ciemat.es

+34 91 346 08 20

NCPs del Clúster 6

Puntos nacionales de contacto

Alimentación, Bioeconomía, Recursos Naturales, Agricultura y Medioambiente



Marta Conde

**Alimentación, Bioeconomía y
Agricultura**

CDTI
marta.conde@cdti.es
+34 91 581 55 62



Jesús Escudero

**Alimentación, Bioeconomía y
Agricultura**

Instituto Nacional de Investigación y
Tecnología Agraria y Alimentaria (INIA)
jesus.escudero@inia.es
+34 91 347 39 79



Marta de Diego

**Alimentación, Bioeconomía y
Agricultura**

CDTI
marta.dediego@cdti.es
+34 91 581 55 62



Lydia González

Recursos naturales y Medio Ambiente

CDTI
lydia.gonzalez@cdti.es
+34 91 581 55 62



Ana Tardón

Recursos naturales y Medio Ambiente

CIEMAT
anamaria.tardon@ciemat.es
+34 91 346 08 20

www.HorizonteEuropa.es

@HorizonteEuropa

Equipo CDTI



josmanuel.gonzalez@cdti.es



lydia.gonzalez@cdti.es



marta.dediego@cdti.es



juancarlos.garcia@cdti.es



marta.conde@cdti.es

@HE_Cluster6CDTI
<https://www.linkedin.com/groups/9151684/>

@HorizonteEuropa
@CDTI_innovacion



+ info sobre programas y ayudas
para la
internacionalización de la I+D+I española



@HorizonteEuropa - @CDTI_innovacion