HORIZON EUROPE
IL CLUSTER 6: Food, Bioeconomy, Natural Resources, Agriculture and Environment

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APREsoci

6 Commission priorities for 2019-24

A European Green Deal
Striving to be the first climate-neutral continent

A Europe fit for the digital age
Empowering people with a new generation of technologies

An economy that works for people
Working for social fairness and prosperity

A stronger Europe in the world
Europe to strive for more by strengthening our unique brand of responsible global leadership

Promoting our European way of life
Building a Union of equality in which we all have the same access to opportunities.

A new push for European democracy
Nurturing, protecting and strengthening our democracy

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Il contesto politico relativo al Cluster 6

Obiettivi di sviluppo sostenibile

| 2 FAME ZERO | 3 SALUTE E BENESSERE | 6 ACQUA PULITA E IGIENE | 8 LAVORO DIGNITOSO E CRESCITA ECONOMICA | 9 INDUSTRIA, INNOVAZIONE E INFRASTRUTTURE | 11 CITTÀ E COMUNITÀ SOSTENIBILI | 12 CONSUMO E PRODUZIONE RESPONSABILI | 14 LA VITA SOTT'ACQUA | 15 LA VITA SULLA TERRA |

GREEN DEAL

EUROPEAN RESEARCH & INNOVATION FOR FOOD & NUTRITION SECURITY

FOOD 2030

GREEN DEAL EUROPEO

Adoperarsi per divenire il primo continente a impatto climatico zero.

UN'EUROPA PRONTA PER L'ERA DIGITALE

La strategia digitale dell'UE doterà le persone di competenze inerenti a una nuova generazione di tecnologie.

UN'ECONOMIA AL SERVIZIO DELLE PERSONE

L'UE deve creare un ambiente più attraente per gli investimenti e una crescita che offra lavori di qualità, in particolare per i giovani e le piccole imprese.

ALTRE POLITICHE EUROPEE

Politica agricola comune, *Politica comune della pesca, Politica marittima integrata, Politica artica,* **Legislazione alimentare generale, Strategia per la bioeconomia,** *Strategia forestale,* **Strategia Farm to Fork,** *Strategia Crescita Blu, Strategia per la sostenibilità della Chimica, Strategia sulla plastica, Strategia europea in materia di dati,* **Food 2030** *e altre iniziative legislative per la protezione della biodiversità, del suolo, dell' acqua, dell'aria e delle risorse marine.*
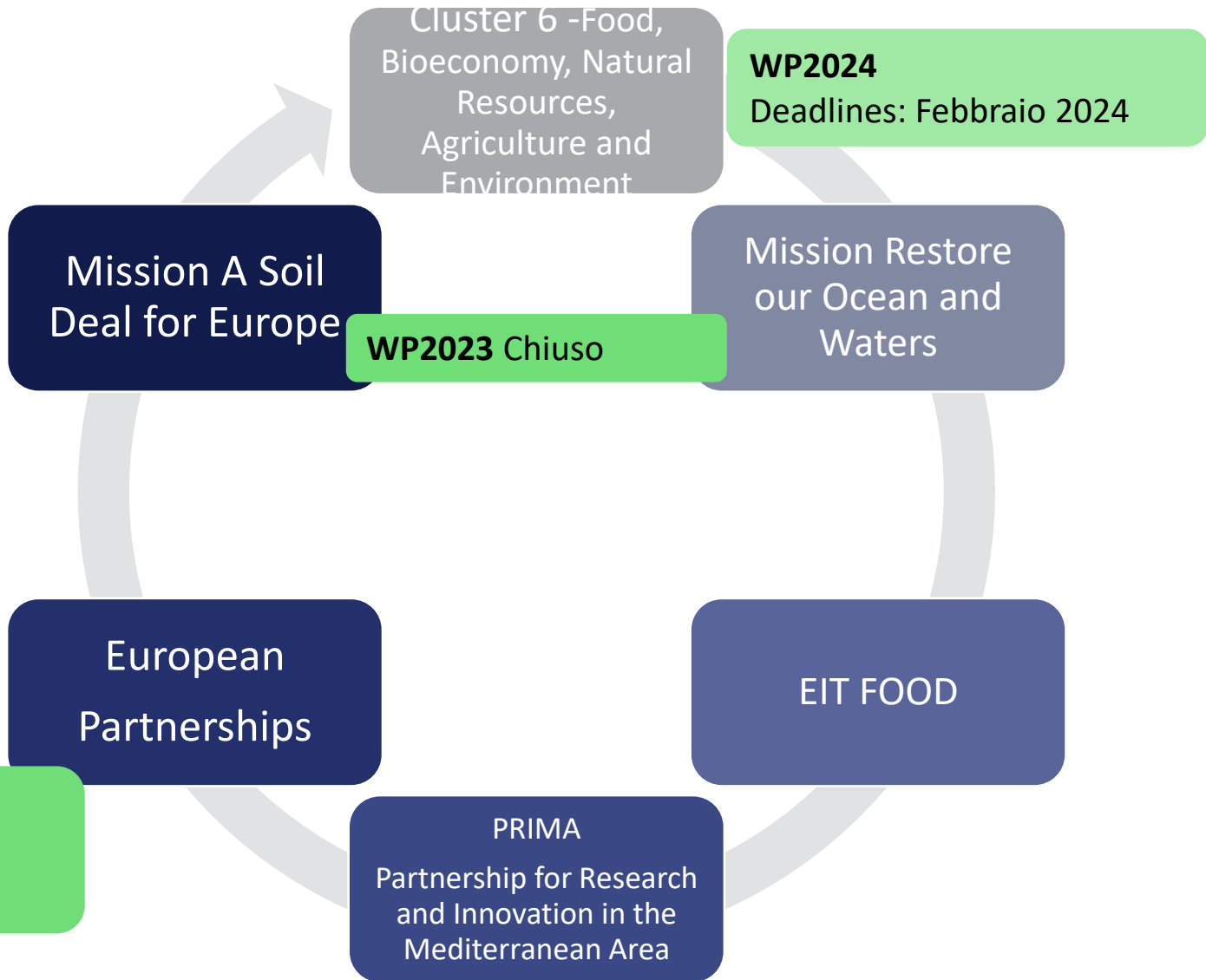
Horizon Europe: structure

Pillar 1
Excellent Science

European Research Council

Marie Skłodowska-Curie Actions

Research Infrastructures

Pillar 2
Global Challenges and European Industrial Competitiveness

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

Joint Research Centre

Pillar 3
Innovative Europe

European Innovation Council

European innovation ecosystems

European Institute of Innovation and Technology

Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system

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

EU partnerships

EU Missions

EIT FOOD

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

WP2024
Deadlines: Febbraio 2024

Mission A Soil Deal for Europe

WP2023 Chiuso

Mission Restore our Ocean and Waters

European Partnerships

EIT FOOD

CBE JU WP2023 Chiuso
BIODIVERSA+ , WATER4All Co-funded:
Aperto a Settembre 2023

PRIMA
Partnership for Research and Innovation in the Mediterranean Area

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ELEMENTI CHIAVE
Pillar 2- Global Challenges and European Industrial Competitiveness

- incentrato sulle **sfide globali e la competitività industriale,**

- migliorare **le problematiche della società e le tecnologie industriali** con un approccio *top -down*

- integrazione in cluster, con una serie di settori di intervento ciascuno, per incentivare la **collaborazione interdisciplinare, intersettoriale, trasversale e internazionale**, ottenendo così un **impatto** più elevato e cogliendo meglio il potenziale di innovazione che spesso è maggiore i punti di intersezione di discipline e settori

- il ruolo essenziale dell'**industria** nel conseguimento di tutti gli obiettivi del programma, favorito anche dagli investimenti nelle tecnologie abilitanti fondamentali del futuro.

ELEMENTI CHIAVE
Pillar 2- Global Challenges and European Industrial Competitiveness

⏋ includono le **Partnership** (nuova razionalizzazione su tre categorie) e le **Missions (**che perseguiranno obiettivi ambiziosi ma realizzabili e circoscritti nel tempo, incoraggiando la partecipazione dei cittadini)

⏋ aumento della quota di partecipazione nella ricerca e nel finanziamento da parte di **entità provenienti da paesi con basso e medio reddito**

⏋ il ruolo dello **JRC** come fonte di dati scientifici e assistenza tecnica a sostegno delle politiche dell'Union

CL6: Food, bioeconomy, natural resources, agriculture and environment

- aims at reducing **environmental degradation**, halting and reversing the decline of **biodiversity** on land, inland waters and sea and better managing **natural resources** through social and economic changes in both urban and rural areas.

- will ensure **food and nutrition security** for all through knowledge, innovation and digitalisation in agriculture, fisheries, aquaculture and food systems and accelerate the transition to a **circular economy** and sustainable bioeconomy, including forestry.

- R&I activities under CL6 will contribute to the objectives of the European Green Deal related to the Biodiversity Strategy to 2030, the Farm to Fork strategy, the European Climate Pact and initiatives under sustainable industry and eliminating pollution, as well as the long-term vision for rural areas, and the Sustainable Development Goals.

Intervention Areas
Environmental Observation
Biodiversity and natural resources
Agricolture, Forestry and rural areas
Seas, oceans and inland waters
Food systems
Biobased innovation systems in the EU Bioeconomy
Circular systems

Cluster 6: from Expected Impacts to Destinations

Strategic Plan 2021-2024

Impact 1 Climate neutrality and adaptation to climate change

Impact 2 Preservation and restoration of biodiversity and ecosystems

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

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

Impact 5 Balanced development of rural, coastal and urban areas

Impact 6 Innovative governance models enabling sustainability, environmental observation

Work Programmes 2021-2024

- **Destination 5:** Land, oceans and water for climate action

- **Destination 1:** Biodiversity and ecosystem services

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

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

- **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

CL6 - Destinations

Destination #1 "Biodiversity and Ecosystem Services" Sostiene la ripresa e il ripristino degli ecosistemi attraverso una gestione sostenibile del suolo, delle acque interne e del mare, che ne protegga l'integrità e favorisca l'integrazione tra settori.

Destination #2 "Fair, healthy and environmentally-friendly food systems from primary production to consumption" Contribuisce a guidare e accelerare la transizione verso sistemi alimentari sostenibili, sicuri, sani e inclusivi, dal produttore al consumatore, e a garantire la sicurezza alimentare.

Destination #3 "Circular economy and bioeconomy sectors" Sostiene soluzioni circolari, guidate dalla neutralità climatica e dalla bioeconomia per generare soluzioni, integrate, sicure a livello territoriale e in settori diversi.

Destination #4 "Clean environment and zero pollution" Arresta e previene l'inquinamento, sostenendo azioni di R&I su acque interne e marine, suolo, aria, comprese le emissioni di azoto e fosforo, sulle prestazioni ambientali e sulla sostenibilità dei processi nei sistemi a base biologica

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CL6 - Destinations

Destination #5 **"Land, oceans and water for climate action"** Studia l'impatto del cambiamento climatico sugli ambienti terresti e marini, sulle risorse naturali, l'agricoltura e i sistemi agroalimentari, identificando azioni di mitigazioni e percorsi di adattabilità.

Destination #6 **"Resilient, inclusive, healthy and green rural, coastal and urban communities"** Mette al centro i luoghi, dalle aree rurali e a quelle costiere, e le persone per raggiungere un'Europa più sostenibile e resiliente, anche nella reazione alla recente pandemia, nell'utilizzo, protezione e gestione delle risorse naturali.

Destination #7 **"Innovative governance, environmental observations and digital solutions in support of the Green Deal"** Assicura che il processo di transizione verde passi per un'innovazione nei modelli di governance, un'informazione e conoscenza disponibile e accessibile, un utilizzo diffuso delle osservazioni ambientali e delle soluzioni digitali.

CLUSTER 6 | Overview Work Programme 2023 –24

Scadenze	
'23	23 e 28 Marzo e12 Aprile
'24	22 / 28 Febbraio

Topic	
'23	100
'24	76
'23 '24	176

Budget	
'23	1056,39 (di cui 897 sui bandi 2023)
'24 '23	903 (di cui 734 sui bandi 2024)
	1.959,39 mln €

EN

Horizon Europe

Work Programme 2023-2024

9. Food, Bioeconomy, Natural Resources, Agriculture and Environment

(European Commission Decision C(2023) 2178 of 31 March 2023)
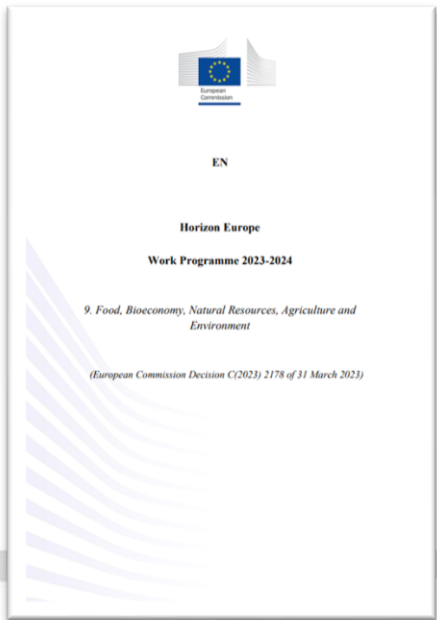
https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2023-2024/wp-9-food-bioeconomy-natural-resources-agriculture-and-environment_horizon-2023-2024_en.pdf

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WP 23-24| Overview bandi 2024

DESTINATION	CALL	DEADLINES
1. BIODIVERSITY AND ECOSYSTEM SERVICES	HORIZON-CL6-2024-**BIODIV**-01	Deadline: 22 Feb 2024
	HORIZON-CL6-2024-**BIODIV**-02	Deadline(s): 22 Feb 2024 (First Stage), 17 Sep 2024 (Second Stage)
2. FAIR, HEALTHY AND ENVIRONMENTALLY-FRIENDLY FOOD SYSTEMS FROM PRIMARY PRODUCTION TO CONSUMPTION	HORIZON-CL6-2024-**FARM2FORK**-01	Deadline: 22 Feb 2024
	HORIZON-CL6-2024-**FARM2FORK**-02	Deadline(s): 22 Feb 2024 (First Stage), 17 Sep 2024 (Second Stage)
3. CIRCULAR ECONOMY AND BIOECONOMY SECTORS	HORIZON-CL6-2024-**CIRCBIO**-01	Deadline: 22 Feb 2024
	HORIZON-CL6-2024-**CIRCBIO**-02	Deadline(s): 22 Feb 2024 (First Stage), 17 Sep 2024 (Second Stage)
4. CLEAN ENVIRONMENT AND ZERO POLLUTION	HORIZON-CL6-2024-**ZEROPOLLUTION**-01	Deadline: 22 Feb 2024
	HORIZON-CL6-2024-**ZEROPOLLUTION**-02	Deadline(s): 22 Feb 2024 (First Stage), 17 Sep 2024 (Second Stage)
5. LAND, OCEAN AND WATER FOR CLIMATE ACTION	HORIZON-CL6-2024-**CLIMATE**-01	Deadline: 22 Feb 2024
6. RESILIENT, INCLUSIVE, HEALTHY AND GREEN RURAL, COASTAL AND URBAN COMMUNITIES	HORIZON-CL6-2024-**COMMUNITIES**-01	Deadline: 22 Feb 2024
	HORIZON-CL6-2024-**COMMUNITIES**-02	Deadline(s): 22 Feb 2024 (First Stage), 17 Sep 2024 (Second Stage)
7. INNOVATIVE GOVERNANCE, ENVIRONMENTAL OBSERVATIONS AND DIGITAL SOLUTIONS IN SUPPORT OF THE GREEN DEAL	HORIZON-CL6-2024-**GOVERNANCE**-01	Deadline: 28 Feb 2024

WP 23-24| Destination

DESTINATION	Topic		Budget	
	2023	2024	2023	2024
1. BIODIVERSITY AND ECOSYSTEM SERVICES	18	12	184,00 €	142
2. FAIR, HEALTHY AND ENVIRONMENTALLY-FRIENDLY FOOD SYSTEMS FROM PRIMARY PRODUCTION TO CONSUMPTION	20	18	196,50 €	256,50
3. CIRCULAR ECONOMY AND BIOECONOMY SECTORS	17	16	178,50 €	147,5
4. CLEAN ENVIRONMENT AND ZERO POLLUTION	9	5	79,50 €	61
5. LAND, OCEAN AND WATER FOR CLIMATE ACTION	8	7	90,00 €	93
6. RESILIENT, INCLUSIVE, HEALTHY AND GREEN RURAL, COASTAL AND URBAN COMMUNITIES	6	5	38,50 €	37
7. INNOVATIVE GOVERNANCE, ENVIRONMENTAL OBSERVATIONS AND DIGITAL SOLUTIONS IN SUPPORT OF THE GREEN DEAL	22	13	130,00 €	157,5
	100	76	897	894,5
2023-2024	176		1631	

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CALLS BIODIVERSITY AND ECOSYSTEMS SERVICES WP2024

Expected impacts

- Direct **drivers of biodiversity decline** will be **understood** and **addressed**

- **Protected areas** and their networks will be **planned**, **managed** and **expanded** and the **status of species** and **habitats** will be improved

- Biodiversity, ecosystem services and natural capital will be **mainstreamed** in the **society** and **economy**

- **Practices** in **agriculture, forestry, fisheries and aquaculture** will be **developed and improved**

- **Biodiversity research** and **support policies and processes** will be **interconnected**

- **Biodiversity and health nexus** will be understood (especially at the level of ecosystems)

European Commission

HORIZON-CL6-2024-BIODIV-01 *Scadenza 22.2.2024*				
HORIZON-CL6-2024-BIODIV-01-1: Invasive alien species	IA	6	12	2
HORIZON-CL6-2024-BIODIV-01-2: Digital for nature	IA	8	16	2
HORIZON-CL6-2024-BIODIV-01-3: Dependence of society and the economy on pollinators	RIA	6,5	13	2
HORIZON-CL6-2024-BIODIV-01-4: Biodiversity, economics and finance: Understanding macro-financial risks associated with biodiversity loss	RIA	5	5	1
HORIZON-CL6-2024-BIODIV-01-5: Transformative action of policy mixes, governance and digitalisation addressing biodiversity loss	RIA	2	4	2
HORIZON-CL6-2024-BIODIV-01-6: Promoting pollinator friendly farming systems	RIA	6	6	1
HORIZON-CL6-2024-BIODIV-01-7: Reintroduction of landscape features in intensive agricultural areas	RIA	5	5	1
HORIZON-CL6-2024-BIODIV-01-8: Conservation and protection of carbon-rich and biodiversity-rich forest ecosystems	RIA	6	12	2
HORIZON-CL6-2024-BIODIV-01-9: Selective breeding programme for organic aquaculture	RIA	3	3	1
HORIZON-CL6-2024-BIODIV-02 *Scadenze 22.2.2024 (1step), 17.9.2024 (2step)*				
HORIZON-CL6-2024-BIODIV-02-1-two-stage: 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	IA	8	16	2
HORIZON-CL6-2024-BIODIV-02-2-two-stage: Demonstrating the potential of Nature-based Solutions and the New European Bauhaus to contribute to sustainable, inclusive and resilient living spaces and communities	IA	5	10	2
HORIZON-CL6-2024-BIODIV-02-3-two-stage: Promoting minor crops in farming systems	RIA	5	10	2

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

Expected impacts

- Sustainable, productive, 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 fair, healthy, climate-resilient and environment-friendly food systems with low impact on aquatic ecosystems and high animal welfare; and

- Sustainable, healthy and inclusive **food systems** delivering co-benefits for climate mitigation and adaptation, environmental sustainability and circularity, sustainable healthy nutrition, safe food consumption, food poverty reduction, the inclusion of marginalised people, the empowerment of communities, and flourishing businesses

European Commission

HORIZON-CL6-2024-FARM2FORK-01 *Scadenza 22.2.2024*				
HORIZON-CL6-2024-FARM2FORK-01-1: Agro-pastoral/outdoor livestock systems and wildlife management	RIA	5	5	1
HORIZON-CL6-2024-FARM2FORK-01-2: New healthy and sustainable food products and processes	RIA	5	10	2
HORIZON-CL6-2024-FARM2FORK-01-3: Thematic network tackling food fraud by translating research and innovation into practice	CSA	2	2	1
HORIZON-CL6-2024-FARM2FORK-01-4: Climate change and food safety: effects of climate change on food safety across food systems	RIA	4	8	2
HORIZON-CL6-2024-FARM2FORK-01-5: Creating smart and attractive tools to enhance healthy and sustainable food provision, eating and treating of food at home	IA	3	6	2
HORIZON-CL6-2024-FARM2FORK-01-6: Citizens' science as an opportunity to foster the transition to sustainable food systems	RIA	5	10	2
HORIZON-CL6-2024-FARM2FORK-01-7: Impact of the development of novel foods based on alternative sources of proteins	RIA	4,5	9	2
HORIZON-CL6-2024-FARM2FORK-01-8: Preventing and reducing food waste to reduce environmental impacts and to help reach 2030 climate targets	RIA	4,5	9	2
HORIZON-CL6-2024-FARM2FORK-01-9: Microbiome for flavour and texture in the organoleptic dietary shift	IA	4,5	9	2
HORIZON-CL6-2024-FARM2FORK-01-10: EU-African Union cooperation on agroforestry management for climate change adaptation and mitigation	RIA	6	18	3
HORIZON-CL6-2024-FARM2FORK-01-11: EU-African Union – towards climate-neutral, social just fair trade food systems	RIA	4,5	9	2

HORIZON-CL6-2024-FARM2FORK-02 *Scadenze 22.2.2024 (1step), 17.9.2024 (2step)*				
HORIZON-CL6-2024-FARM2FORK-02-1-two-stage: Increasing the availability and use of non-contentious inputs in organic farming	IA	6	12	2
HORIZON-CL6-2024-FARM2FORK-02-2-two-stage: Sustainable organic food innovation labs: reinforcing the entire value chain	IA	5,5	11	2
HORIZON-CL6-2024-FARM2FORK-02-3-two-stage: Tools to increase the effectiveness of EU import controls for plant health	IA	4	8	2
HORIZON-CL6-2024-FARM2FORK-02-4-two-stage: Tackling outbreaks of plant pests	RIA	6,5	13	2
HORIZON-CL6-2024-FARM2FORK-02-5-two-stage: Animal nutritional requirements and nutritional value of feed under different production management conditions	RIA	7	7	1
HORIZON-CL6-2024-FARM2FORK-02-6-two-stage: Minimising climate impact on fisheries: mitigation and adaptation solutions for future climate regimes	IA	4,5	9	2
HORIZON-CL6-2024-FARM2FORK-02-7-two-stage: Minimising climate impact on aquaculture: mitigation and adaptation solutions for future climate regimes	IA	4,5	9	2

CIRCULAR ECONOMY AND BIOECONOMY SECTORS

Expected 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 based on enhanced knowledge and understanding of science;

- 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;

- **Improved consumer and citizen benefits**;

- **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.

European Commission

HORIZON-CL6-2024-CircBio-01 *Scadenza 22.2.2024*				
HORIZON-CL6-2024-CircBio-01-1: Circular Cities and Regions Initiative's project development assistance (CCRI-PDA)	CSA	2	6	3
HORIZON-CL6-2024-CircBio-01-2: Circular solutions for textile value chains based on extended producer responsibility	IA	7	14	2
HORIZON-CL6-2024-CircBio-01-3: Innovative circular solutions for furniture	IA	5	10	2
HORIZON-CL6-2024-CircBio-01-4: Systemic circular solutions for a sustainable tourism	IA	5	10	2
HORIZON-CL6-2024-CircBio-01-5: Programmed biodegradation capability of bio-based materials and products, validated in specific environments	RIA	4	8	2
HORIZON-CL6-2024-CircBio-01-6: Digital information systems for bio-based products	RIA	3	6	2
HORIZON-CL6-2024-CircBio-01-7: Demonstrating the fair and just transition from GHG-intensive economies facing challenges towards circular bioeconomy model regions	IA	6	6	1
HORIZON-CL6-2024-CircBio-01-8: Bioeconomy project development assistance	CSA	3	3	1
HORIZON-CL6-2024-CircBio-01-9: Circular bioeconomy start-up villages	CSA	0,8	2,5	3
HORIZON-CL6-2024-CircBio-01-10: Targeting aquatic extremophiles for sourcing novel enzymes, drugs, metabolites and chemicals	RIA	0,9	4,5	2

HORIZON-CL6-2024-CircBio-02 *Scadenze 22.2.2024 (1step), 17.9.2024 (2step)*				
HORIZON-CL6-2024-CircBio-02-1-two-stage: Circular solutions for textile value chains through innovative sorting, recycling, and design for recycling	RIA	5	15	3
HORIZON-CL6-2024-CircBio-02-2-two-stage: Increasing the circularity in plastics value chains	IA	5	10	2
HORIZON-CL6-2024-CircBio-02-3-two-stage: Increasing the circularity in electronics value chains	IA	5	10	2
HORIZON-CL6-2024-CircBio-02-4-two-stage: New circular solutions and decentralised approaches for water and wastewater management	IA	5	15	3
HORIZON-CL6-2024-CircBio-02-5-two-stage: Circular design of bio-based processes and products	RIA	4	8	2
HORIZON-CL6-2024-CircBio-02-6-two-stage: From silos to diversity – small-scale bio-based demonstration pilots	IA	5	15	3

CALLS CLEAN ENVIRONMENT AND ZERO POLLUTION WP2024

Expected impacts

- Achieving **clean, unpolluted surface water** and **groundwater bodies** by understanding and pointing **sources** of **water pollution i**n a global and climate change context

- Balanced **N/P flows** within safe ecological boundaries at regional and local level

- Move towards **clean, unpolluted oceans and seas**

- **Strengthen circular bio-based systems** to operate within planetary boundaries

- **Substitute harmful chemicals** for safer and more sustainable alternatives

- **Reduce** the **environmental impact** of **food systems**

European Commission

HORIZON-CL6-2024-ZEROPOLLUTION-01 *Scadenze 22.2.2024*				
HORIZON-CL6-2024-ZEROPOLLUTION-01-1: Demonstrating how regions can operate within safe ecological and regional nitrogen and phosphorus boundaries	IA	9	27	3
HORIZON-CL6-2024-ZEROPOLLUTION-01-2: Best available techniques to recover or recycle fertilising products from secondary raw materials	CSA	2	4	2
HORIZON-CL6-2024-ZEROPOLLUTION-01-3: Environmental impacts of food systems	RIA	7	7	1
HORIZON-CL6-2024-ZEROPOLLUTION-02 *Scadenze 22.2.2024 (1step), 17.9.2024 (2step)*				
HORIZON-CL6-2024-ZEROPOLLUTION-02-1-two-stage: Holistic approaches for effective monitoring of water quality in urban areas	IA	5	15	3
HORIZON-CL6-2024-ZEROPOLLUTION-02-2-two-stage: Innovative technologies for zero pollution, zero-waste biorefineries	RIA	4	8	2

LAND, OCEAN AND WATER FOR CLIMATE ACTION

This call is not partitioned into « headings ». It includes 7 topics on:

- Improving irrigation practices and technologies in agriculture

- Socio-economic, climate and environmental aspects of paludiculture

- Paludiculture: large-scale demonstrations

- Land use change and local / regional climate

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

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

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

European Commission

HORIZON-CL6-2024-CLIMATE-01 *Scadenze 22.2.2024 (1step), 17.9.2024 (2step)*				
HORIZON-CL6-2024-CLIMATE-01-1: Improving irrigation practices and technologies in agriculture	IA	5	10	2
HORIZON-CL6-2024-CLIMATE-01-2: Socio-economic, climate and environmental aspects of paludiculture	RIA	5	5	1
HORIZON-CL6-2024-CLIMATE-01-3: Paludiculture: large-scale demonstrations	IA	10	20	2
HORIZON-CL6-2024-CLIMATE-01-4: Land use change and local / regional climate	RIA	6	12	2
HORIZON-CL6-2024-CLIMATE-01-5: Climate-smart use of wood in the construction sector to support the New European Bauhaus	RIA	7	14	2
HORIZON-CL6-2024-CLIMATE-01-6: Ocean models for seasonal to decadal regional climate impacts and feedbacks	RIA	4,5	9	2
HORIZON-CL6-2024-CLIMATE-01-7: EU-China international cooperation on improving monitoring for better integrated climate and biodiversity approaches, using environmental and Earth observation	RIA	5	5	1

RESILIENT, INCLUSIVE, HEALTHY AND GREEN RURAL, COASTAL AND URBAN COMMUNITIES

Expected impacts

- **Rural, coastal and urban areas** are developed in a **sustainable, balanced, equitable and inclusive manner.**

- **Rural, coastal and urban communities** are empowered to **act for change**, be better prepared to achieve climate-neutrality and adapt to climate change, and use the digital and green transitions to increase resilience and provide positive long-term prospects.

- **Rural communities** are equipped with upgraded **innovation ecosystems and innovative and smarter circular solutions** that increase access to services and job opportunities, increase their attractiveness and reduce the feeling of being left behind.

- **Sustainable development of coastal areas**, including coastal protection and resilience, is enhanced, reaping the benefits of **social, digital and community-led innovations**.

- **Urban and peri-urban communities** – including people in vulnerable situations – can access, afford and choose healthy, nutritious and **environmental-friendly food**.

European Commission

HORIZON-CL6-2024-COMMUNITIES-01 *Scadenze 22.2.2024*				
HORIZON-CL6-2024-COMMUNITIES-01-1: Unlock the potential of the New European Bauhaus in urban food system transformation	IA	3	6	2
HORIZON-CL6-2024-COMMUNITIES-01-2: Societal perceptions and benefits of rural life and jobs: will COVID 19 generate a long-lasting shift?	RIA	6	6	1
HORIZON-CL6-2024-COMMUNITIES-01-3: Participation and empowerment of Arctic coastal, local, and indigenous communities in environmental decision-making	RIA	3	3	1
HORIZON-CL6-2024-COMMUNITIES-02 *Scadenze 22.2.2024 (1step), 17.9.2024 (2step)*				
HORIZON-CL6-2024-COMMUNITIES-02-1-two-stage: Innovating for climate-neutral rural communities by 2050	IA	5	10	2
HORIZON-CL6-2024-COMMUNITIES-02-2-two-stage: New sustainable business and production models for farmers and rural communities	RIA	6	12	2

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

Expected impacts

- Innovative governance models enabling sustainability and resilience notably to achieve **better informed decision-making processes, societal engagement and innovation**

- Areas related to the European Green Deal benefit from further **deployment and exploitation of Environmental Observation** data, products and "green" solutions

- A **strengthened Global Earth Observation System of Systems** (GEOSS)

- **Sustainability performance and competitiveness** in the areas covered by Cluster 6 are improved through further deployment of digital and data technologies as key enablers

- Stakeholders and end users including primary producers and consumers are better informed and engaged thanks to effective platforms such as **Agriculture Knowledge and Innovation Systems** (AKIS);

- Strengthened EU and international science-policy interfaces to achieve the **Sustainable Development Goals**

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HORIZON-CL6-2024-GOVERNANCE-01 *Scadenze 22.2.2024 (1step), 17.9.2024 (2step)*				
HORIZON-CL6-2024-GOVERNANCE-01-1: Additional activities for the European Partnership for a climate neutral, sustainable and productive Blue Economy	COFUND	60	60	1
HORIZON-CL6-2024-GOVERNANCE-01-2: Regional ecosystems of innovation to foster food system transformation	CSA	3,5	3,5	1
HORIZON-CL6-2024-GOVERNANCE-01-3: The role of mainstream media, social media and marketing in fostering healthy and sustainable consumption patterns and how to encourage good practices	CSA	3	3	1
HORIZON-CL6-2024-GOVERNANCE-01-4: Supporting the All-Atlantic Ocean Research and Innovation Alliance and Declaration	CSA	4	4	1
HORIZON-CL6-2024-GOVERNANCE-01-5: Customisation/pre-operationalisation of prototypes end-user services in the area Climate Change Adaptation and Mitigation	PCP	19	19	1
HORIZON-CL6-2024-GOVERNANCE-01-6: Develop innovative applications to support the European Green Deal, building on meteorological satellite data	RIA	4	8	2
HORIZON-CL6-2024-GOVERNANCE-01-7: Enhancing working conditions and strengthening the work force through digital and data technologies – the potential of robotics and augmented reality in agriculture	RIA	5	15	3
HORIZON-CL6-2024-GOVERNANCE-01-8: Broaden EIP Operational Group outcomes across borders by means of thematic networks to compile and share knowledge ready for practice	CSA	2	4	2
HORIZON-CL6-2024-GOVERNANCE-01-9: Thematic networks to compile and share knowledge ready for practice	CSA	3	6	2
HORIZON-CL6-2024-GOVERNANCE-01-10: Organic farming thematic networks to compile and share knowledge ready for practice	CSA	4	4	1
HORIZON-CL6-2024-GOVERNANCE-01-11: Biodiversity thematic networks to compile and share knowledge ready for practice	CSA	3	3	1
HORIZON-CL6-2024-GOVERNANCE-01-12: Developing EU advisory networks on forestry	CSA	4	4	1
HORIZON-CL6-2024-GOVERNANCE-01-13: Developing EU advisory networks on sustainable livestock systems	CSA	4	4	1

2023-24 | Condizioni specifiche/criteri di eleggibilità aggiuntivi

MAA - Multi actor approach

(37 topic)

Lump sum

(25 Topic)

JRC

(24 topic)

Eligibility for third country in CSA

(3 Topic)

Two stages – blind evaluation

(2 bandi)

Eligibility for International organisations with headquarters in a Member State or associated country
(6 Topic)

FSTP

(1 topic)

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European Partnership

HORIZON EUROPE PILLAR II - Global challenges & European industrial competitiveness

PILLAR III - Innovative Europe

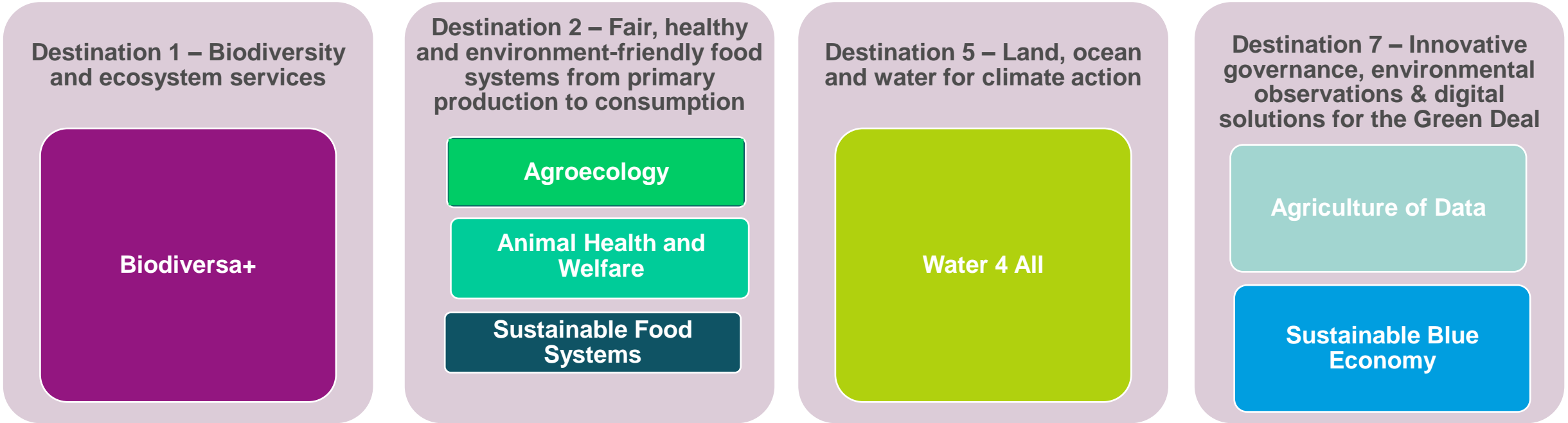| CLUSTER 1: Health	CLUSTER 4: Digital, Industry & Space	CLUSTER 5: Climate, Energy & Mobility	CLUSTER 6: Food, Bioeconomy, Agriculture, …	EIT (KNOWLEDGE & INNOVATION COMMUNITIES)	SUPPORT TO INNOVATION ECOSYSTEMS
Innovative Health Initiative	Key Digital Technologies	Clean Hydrogen	Circular Bio-based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

CROSS-PILLARS II & III

European Open Science Cloud

Legend:
- ■ 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

APRE

Co-funded partnerships in Cluster 6

Destination 1 – Biodiversity and ecosystem services

Biodiversa+

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

Agroecology

Animal Health and Welfare

Sustainable Food Systems

Destination 5 – Land, ocean and water for climate action

Water 4 All

Destination 7 – Innovative governance, environmental observations & digital solutions for the Green Deal

Agriculture of Data

Sustainable Blue Economy

Biodiversa+, **Water4All**, **SBEP** → launched in WP 2021-2022

Agroecology, PAHW, Sustainable Food Systems & Agri of Data

To start with WP 2023-2024

Cluster 6 Co-funded partnerships in Work Programmes

| CO-Funded Partnership	Year	HE expected contribution
Rescuing biodiversity to safeguard life on Earth	2021-2022	165
A climate neutral, sustainable and productive Blue Economy	2021-2022	150
European Partnership Water Security for the Planet (Water4All)	2021-2022	126
Accelerating farming systems transition: agroecology living labs and research infrastructures	2023-2024	150
Animal health: fighting infectious diseases	2023-2024	180
Environmental observations for a sustainable EU agriculture	2023-2024	100
Safe and sustainable food systems for people, planet and climate	2023-2024	175
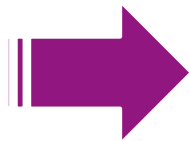
Total budget for all co-funded partnerships around EUR 1 billion (figures are subject to changes depending on MS commitments).

Outside the WP: Circular bio-based Europe (Joint Undertkating): EUR 1 billion

L' evoluzione delle Partnership del CL6: da H2020 a HE

In blu i precedenti ERANET e JPI presenti nella passata programmazione, alcuni ancora attivi
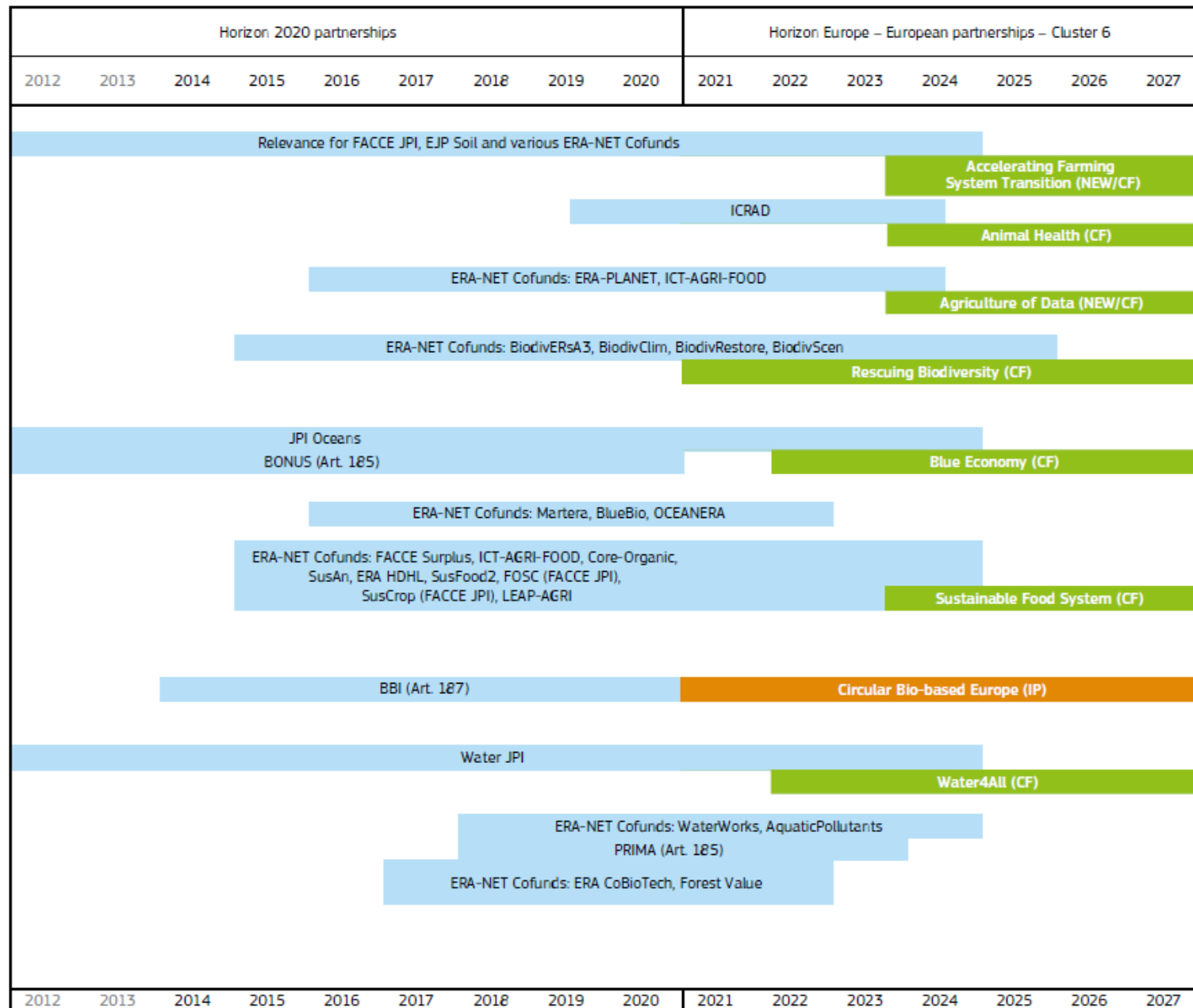
CHIEDI SUPPORTO AI TEAM TEMATICI IN APRE

ⓘ **cluster6@apre.it**

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Cluster 6

**Outcome of evaluations
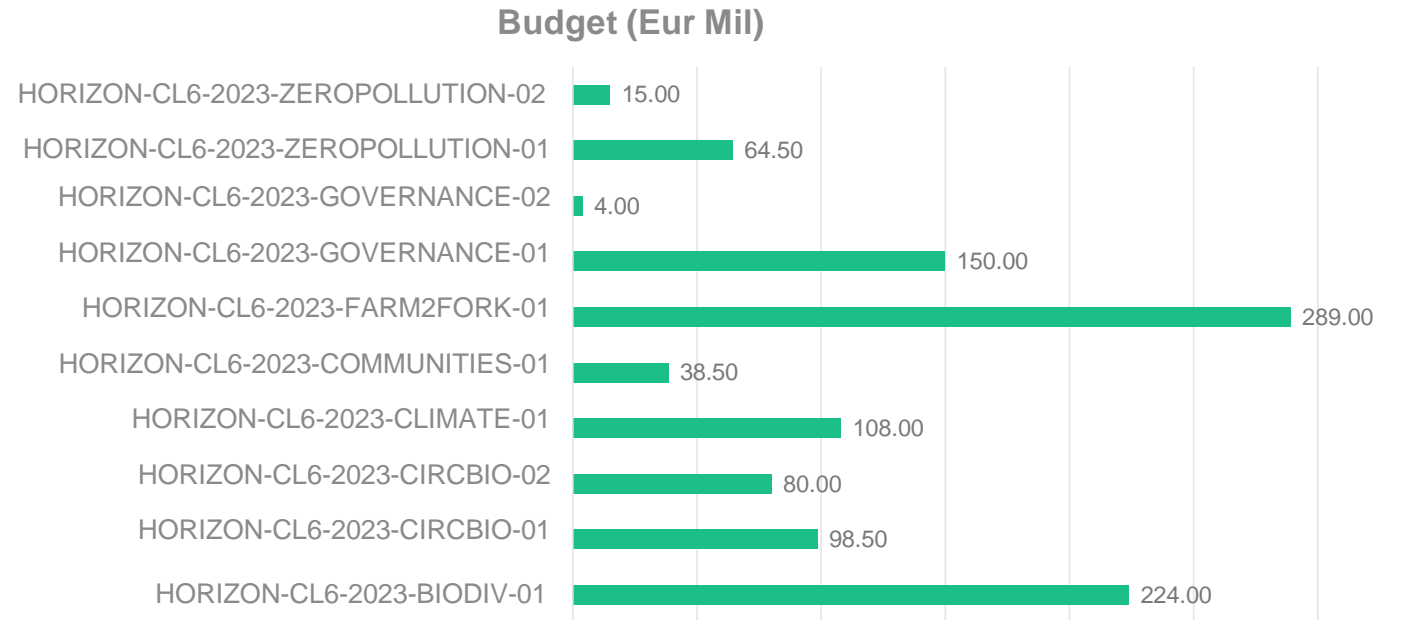2023 single stage and first stage (of two stage) calls**

REA

Cluster 6 WP 2023-2024: 2023 calls concerned

| Call identifier	Opening date	Deadline (single and first stage)	Number of topics
HORIZON-CL6-2023-BIODIV-01	22/12/2022	28/03/2023	19
HORIZON-CL6-2023-CIRCBIO-01	22/12/2022	28/03/2023	14
HORIZON-CL6-2023-CIRCBIO-02	22/12/2022	26/09/2023	3
HORIZON-CL6-2023-CLIMATE-01	22/12/2022	12/04/2023	8
HORIZON-CL6-2023-COMMUNITIES-01	22/12/2022	12/04/2023	6
HORIZON-CL6-2023-FARM2FORK-01	22/12/2022	12/04/2023	20
HORIZON-CL6-2023-GOVERNANCE-01	22/12/2022	23/03/2023	22
HORIZON-CL6-2023-GOVERNANCE-02	25/05/2023	21/09/2023	1
HORIZON-CL6-2023-ZEROPOLLUTION-01	22/12/2022	28/03/2023	7
HORIZON-CL6-2023-ZEROPOLLUTION-02	22/12/2022	28/03/2023	2
Total			**102**

2023 Budget*

Budget (Eur Mil)

Topic	Budget (Eur Mil)
HORIZON-CL6-2023-ZEROPOLLUTION-02	15.00
HORIZON-CL6-2023-ZEROPOLLUTION-01	64.50
HORIZON-CL6-2023-GOVERNANCE-02	4.00
HORIZON-CL6-2023-GOVERNANCE-01	150.00
HORIZON-CL6-2023-FARM2FORK-01	289.00
HORIZON-CL6-2023-COMMUNITIES-01	38.50
HORIZON-CL6-2023-CLIMATE-01	108.00
HORIZON-CL6-2023-CIRCBIO-02	80.00
HORIZON-CL6-2023-CIRCBIO-01	98.50
HORIZON-CL6-2023-BIODIV-01	224.00

for COFUND actions, the budget includes appropriations from the 2024 budget for 2023 topics

General statistics (single stage)

| CALL ID	Call Indicative Budget (M EUR)	Received proposals	Proposals evaluated	Ineligible/ inadmissible proposals	Success Rate	Funded proposals
HORIZON-CL6-2023-BIODIV-01	224.00	94	93	1	31.18%	29
HORIZON-CL6-2023-CIRCBIO-01	98.50	69	58	11	37.93%	22
HORIZON-CL6-2023-CLIMATE- 01	108.00	31	28	3	39.29%	11
HORIZON-CL6-2023-COMMUNITIES-01	38.50	29	28	1	25.00%	7
HORIZON-CL6-2023-FARM2FORK-01	289.00	101	90	11	28.89%	26
HORIZON-CL6-2023-GOVERNANCE-01	150.00	67	65	2	36.92%	24
HORIZON-CL6-2023-ZEROPOLLUTION-01	64.50	60	58	2	20.69%	12
Total	**972.50**	**451**	**420**	**31**	**31.19%**	**131**

Proposals received vs evaluated and success rate (single stage)


N° of proposals Received/evaluated
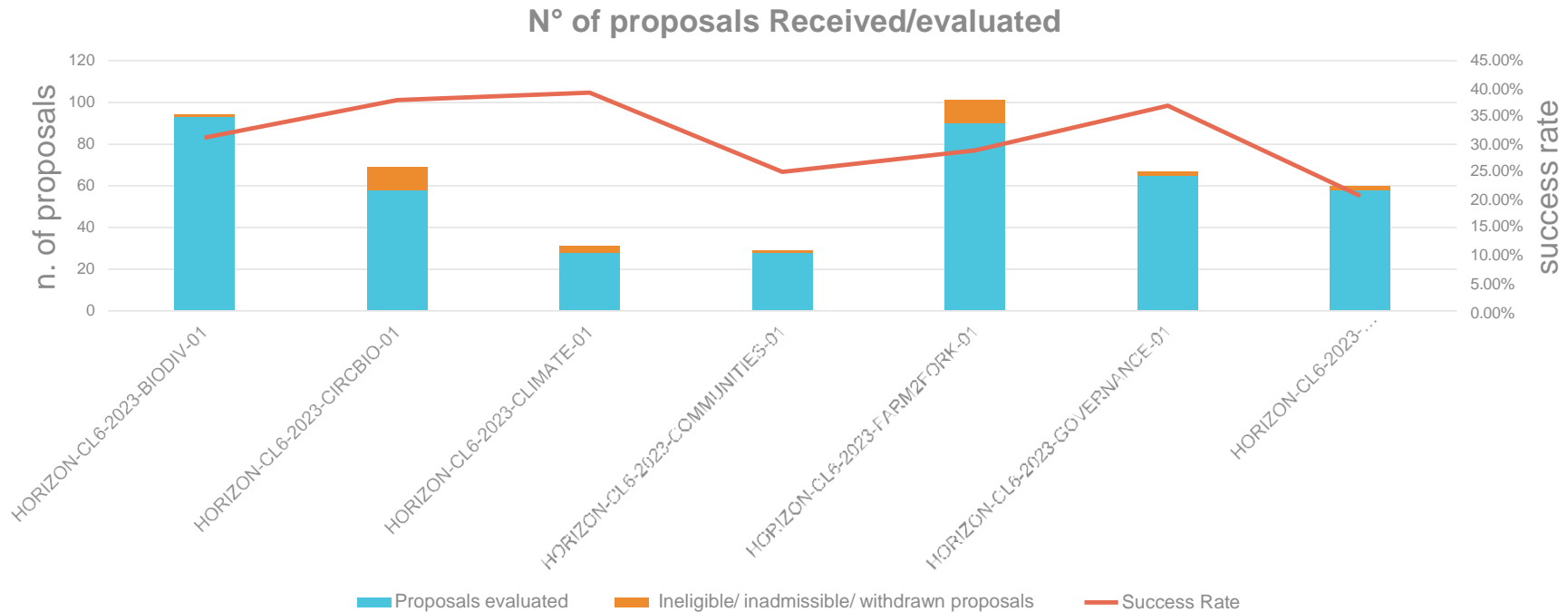
Success rate is defined as the number of main-listed proposals against the number of evaluated proposals

Requested EU vs funded EU contribution (single stage)

Requested EU contribution/Funded EU contribution
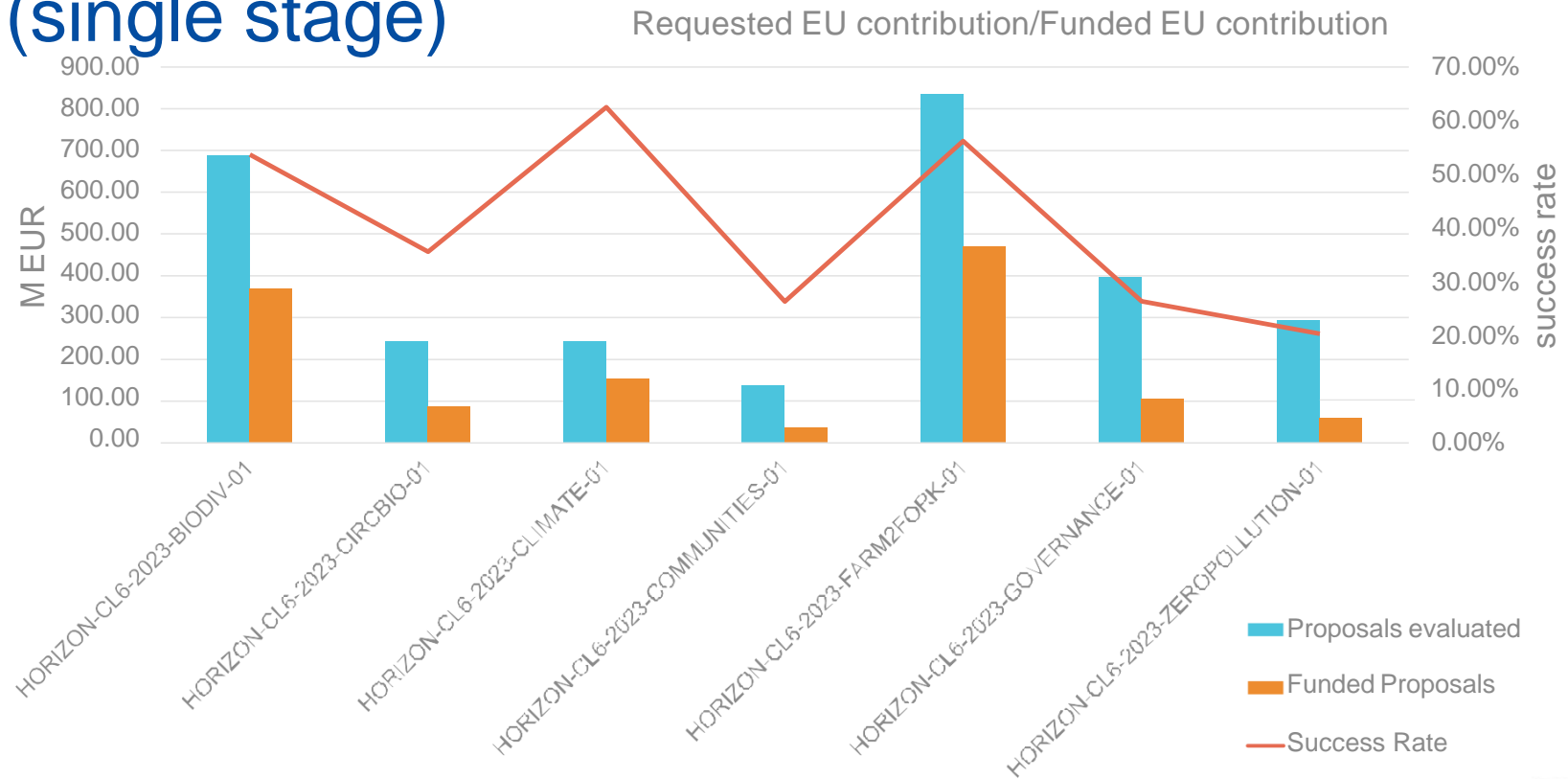
Success rate is defined as the amount of requested EU contribution of main-listed proposals against the amount of requested EU contribution of evaluated proposals

Success rate of applicants from Member States (single stage)
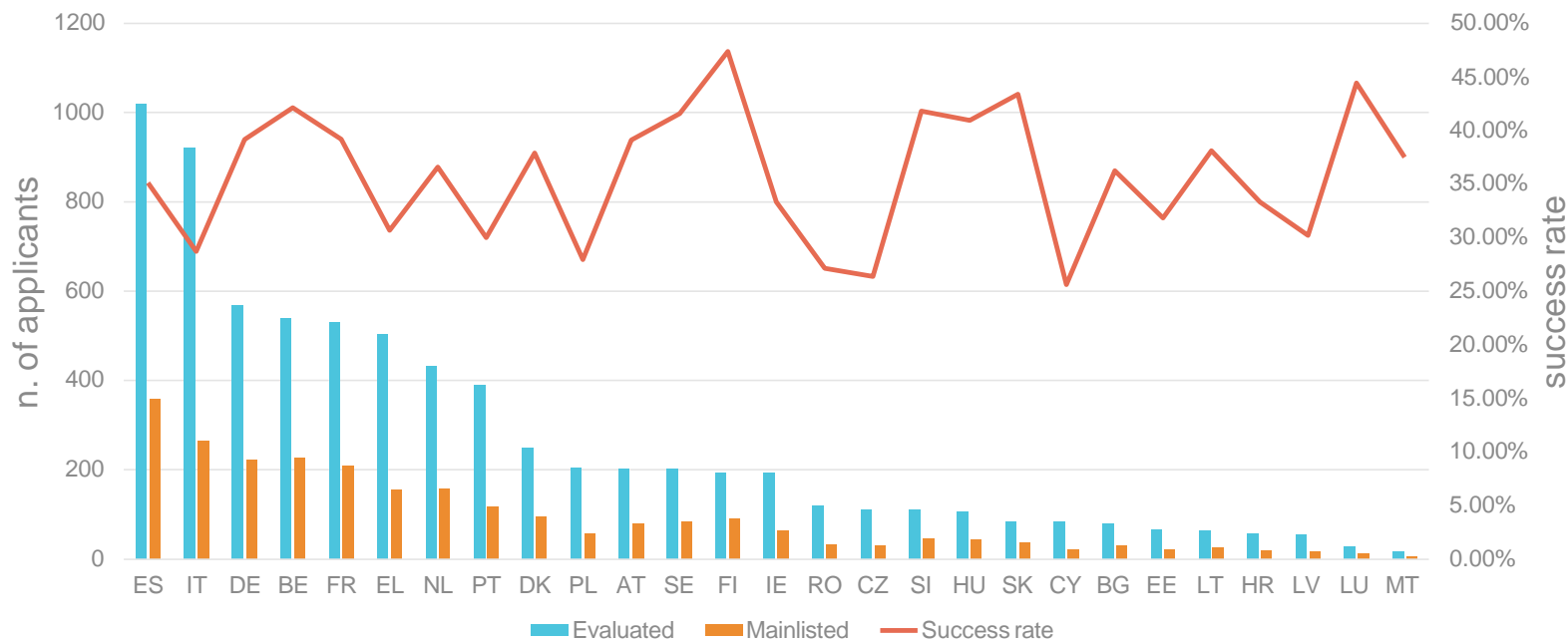
Success rate is defined as the number of applicants from a given country in main-listed proposals against the number of applicants from a given country in evaluated proposals
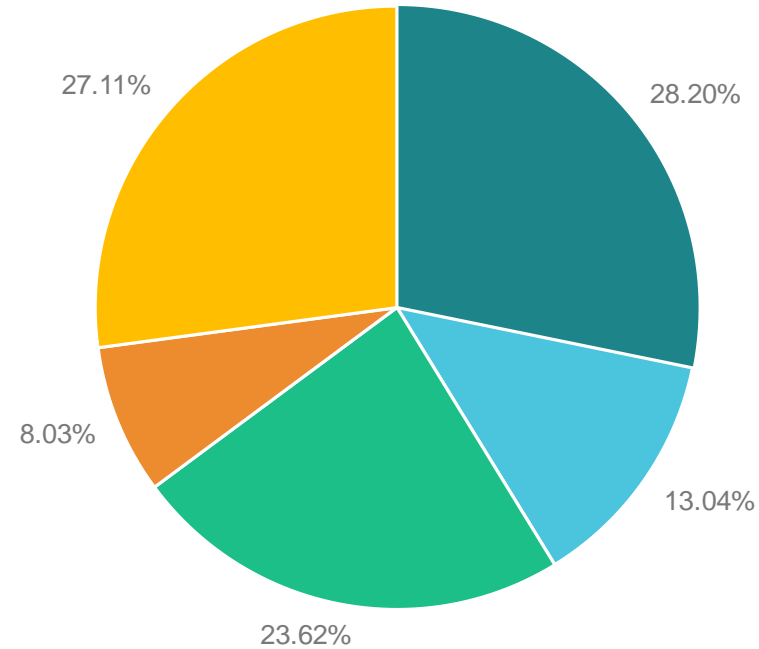
Success rate of coordinators from Member States (single stage)
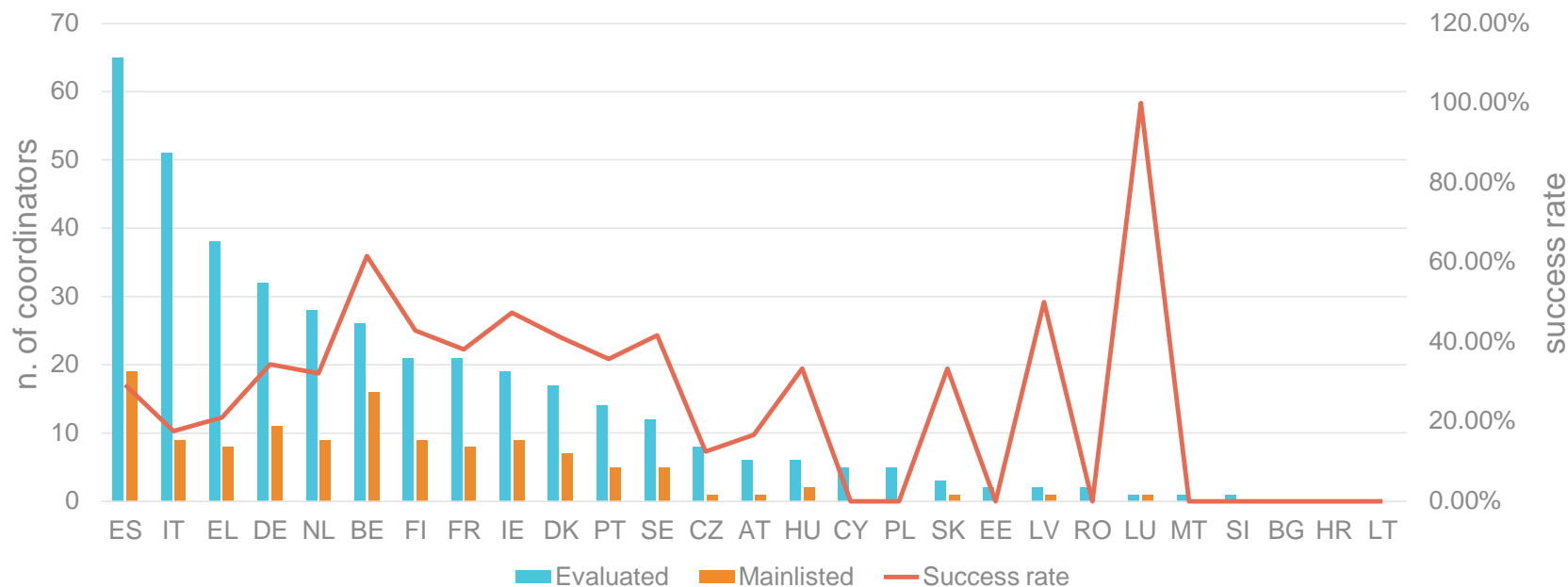
Success rate is defined as the number of coordinators from a given country in main-listed proposals against the number of coordinators from a given country in evaluated proposals

# Sector of affiliation of applicants in evaluated proposals (single stage)

- Total number of applicants involved in evaluated proposals: **6834**

- Independent entities in evaluated proposals : **3563**

Pie chart segments:
- 28.20%
- 13.04%
- 23.62%
- 8.03%
- 27.11%

Legend:
- Higher or Secondary Education Establishments
- Other
- Private for-profit entities
- Public bodies
- Research Organisations

European Commission

Sector of affiliation of applicants in selected proposals (single stage)

- Total number of applicants involved in main-listed proposals: **2354**

- Independent entities in main-listed proposals : **1165**

Pie chart data:
- 23.41%
- 14.15%
- 19.03%
- 12.40%
- 31.01%

Legend:
- Higher or Secondary Education Establishments
- Private for-profit entities
- Research Organisations
- Other
- Public bodies

European Commission
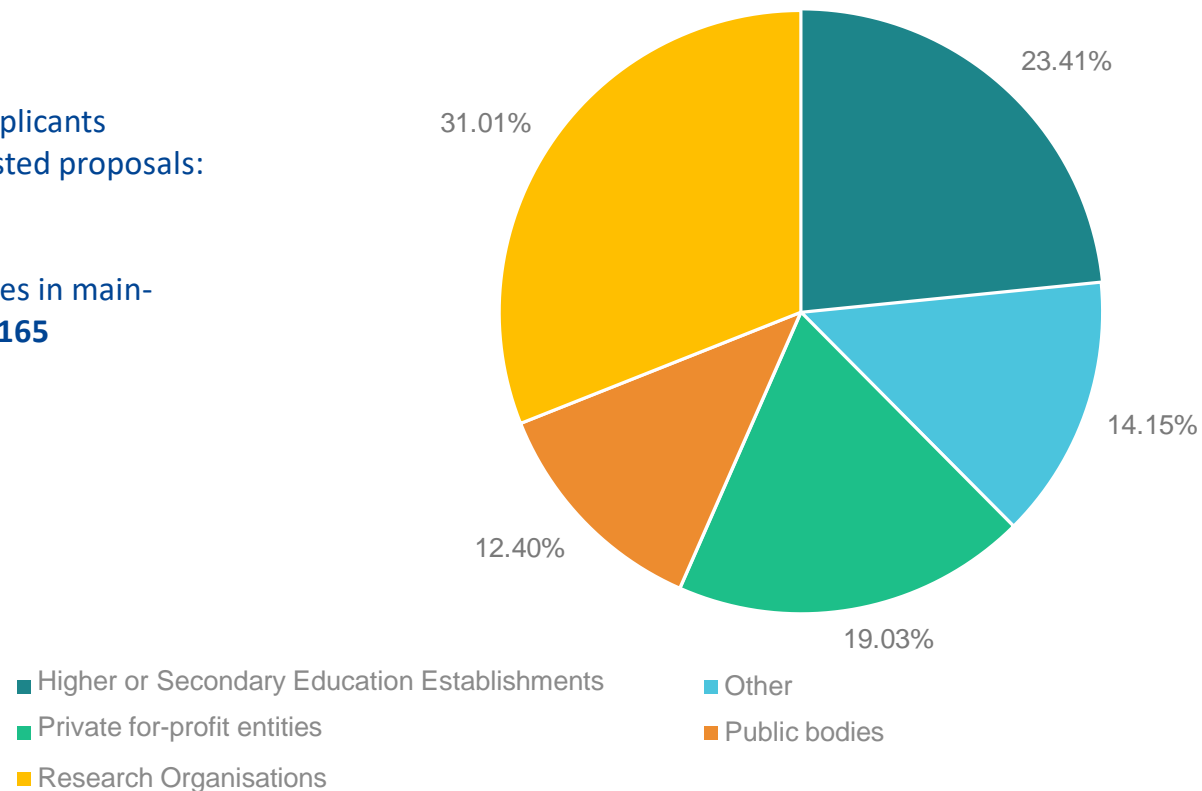
GRAZIE PER L'ATTENZIONE!

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