



#HorizonEU

THE EU RESEARCH & INNOVATION PROGRAMME

2021 – 2027

Marco CITELLI
European Commission
DG Research and Innovation
Unit C.5 Ecological and Social
Transitions
24 October 2023

Research and
Innovation

NATIONAL INFO DAY – CZECH REPUBLIC

CLUSTER 6 - FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

Cluster 6 Work Programme 2023-2024 – general information



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 Programme 2023-2024

• **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

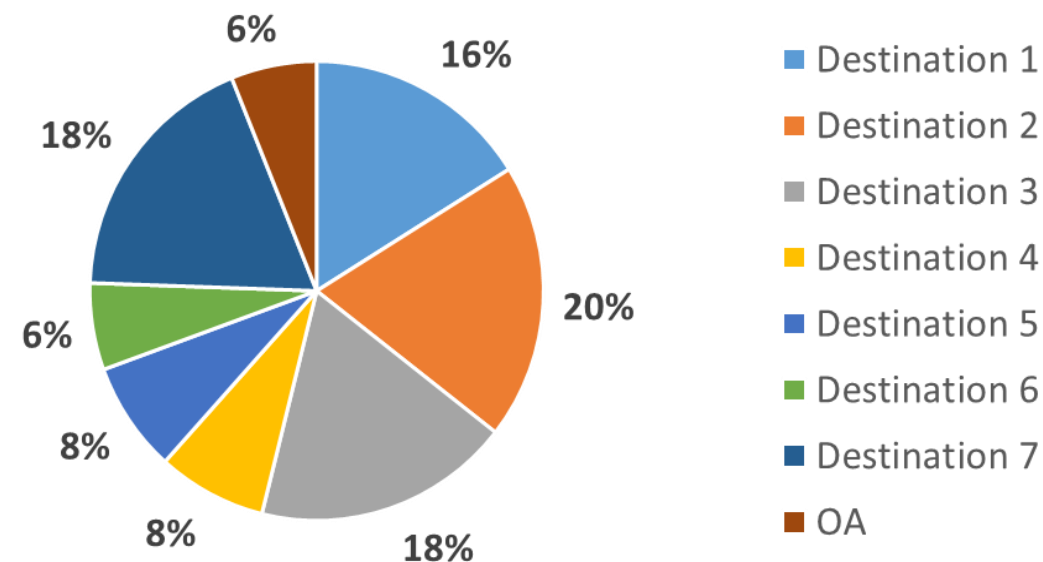


Topics per Destination in WP 23-24



Destinations	N. topics (*)
1. Biodiversity and Ecosystem Services	30
2. Fair, healthy and environmentally-friendly food systems from primary production to consumption	38
3. Circular economy and bioeconomy sectors	33
4. Clean environment and zero pollution	14
5. Land, oceans and water for climate action	15
6. Resilient, inclusive, healthy and green rural, coastal and urban communities	11
7. Innovative governance, environmental observations and digital solutions in support of the Green Deal	35
Other Actions	10
Grand Total	186

(*) Including the 7 co-funded partnerships

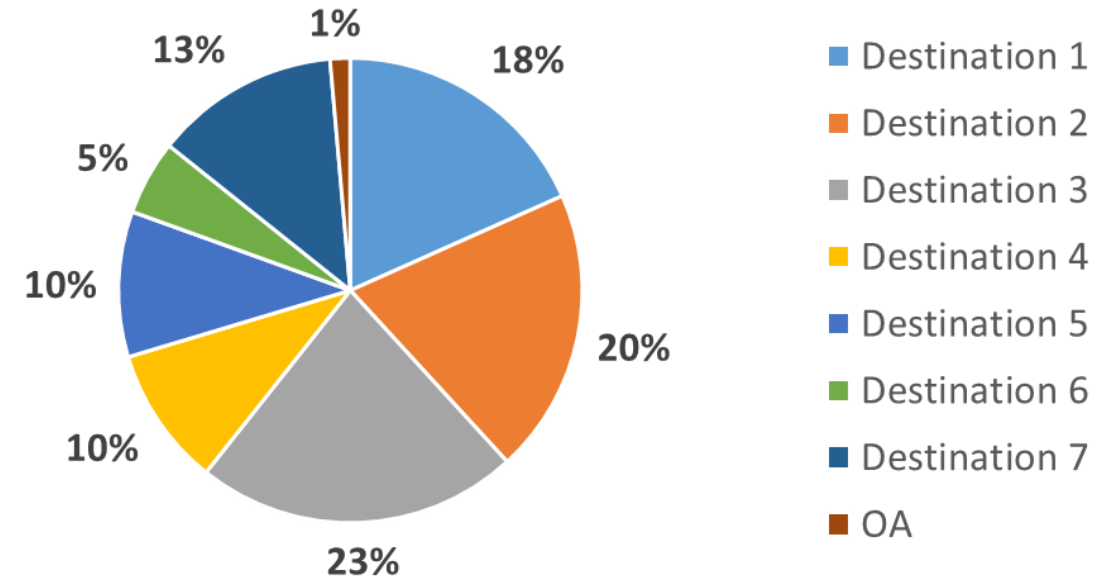


176 topics + 10 other actions non subject to call for proposals
 BIODIV, FARM2FORK and GOVERNANCE gathering the most topics

Budget per Destination in WP 23-24



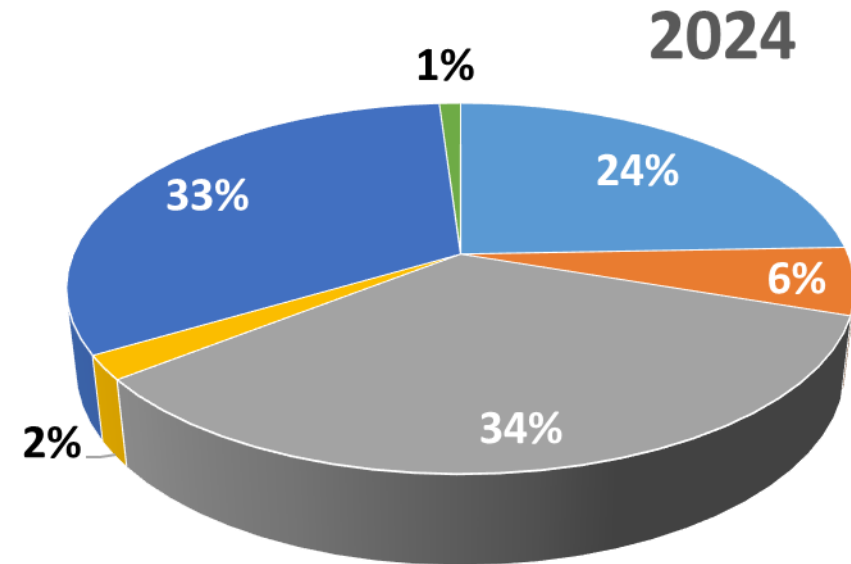
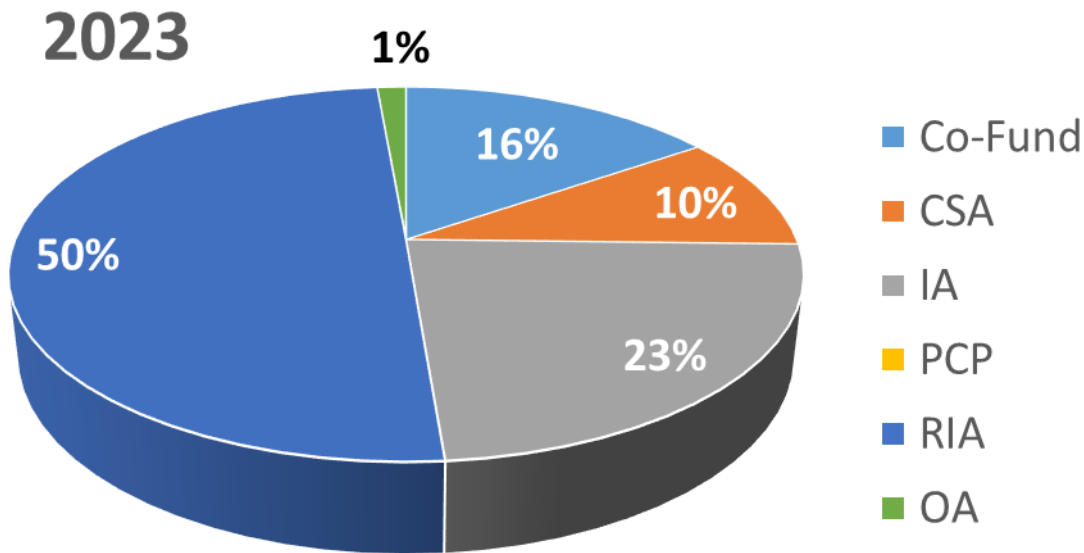
Destinations	Budget (*) [mln EUR]
1. Biodiversity and Ecosystem Services	266
2. Fair, healthy and environmentally-friendly food systems from primary production to consumption	288
3. Circular economy and bioeconomy sectors	327
4. Clean environment and zero pollution	141
5. Land, oceans and water for climate action	147
6. Resilient, inclusive, healthy and green rural, coastal and urban communities	76
7. Innovative governance, environmental observations and digital solutions in support of the Green Deal	187
Other Actions	20
Grand Total	1.451



BIODIV, FARM2FORK, CIRCBIO bigger Destinations, followed by GOVERNANCE
Overall balanced allocation of budget, reflecting the number of topics

(*): Excluding the 7 Co-funded partnerships

Budget per Year and Type of Action



		2023	2024	Total
Co-Fund	€	140,5	€ 220,5	€ 361,0
CSA	€	90,5	€ 53,0	€ 143,5
IA	€	212,0	€ 308,0	€ 520,0
PCP			€ 19,0	€ 19,0
RIA	€	454,0	€ 294,0	€ 748,0
OA	€	12,7	€ 7,9	€ 20,6
Total	€	909,7	€ 902,4	€ 1.812,1

Budgetary balance between the two years
RIAs have the lion share in 2023
IAs are the relative majority in 2024

Opening date & deadlines of 2024 calls



17 October 2023 is the opening date of all calls

Deadlines	Call(s)
21 February 2024	ZEROPOLLUTION-02 (1 st stage)
22 February 2024	BIODIV-01, BIODIV-02 (1 st stage), FARM2FORK-01, FARM2FORK-02 (1 st stage), CIRCBIO-01, CIRCBIO-02 (1 st stage), ZEROPOLLUTION-01, CLIMATE-01, COMMUNITIES-01 and COMMUNITIES-02 (1 st stage)
28 February 2024	GOVERNANCE-01
17 September 2024	BIODIV-02 (2 nd stage), FARM2FORK-02 (2 nd stage), CIRCBIO-02 (2 nd stage), ZEROPOLLUTION-02 (2 nd stage) and COMMUNITIES-02 (2 nd stage)

75 topics
now open!

N. Projects expected to be funded

134

NATIONAL HORIZON EUROPE INFO DAY

CLUSTER 6 - FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

Destination 1 – Biodiversity and ecosystem services



CALLS 2024 - BIODIVERSITY AND ECOSYSTEMS SERVICES



POLICY CONTEXT

- European Green Deal
- EU biodiversity strategy for 2030
- EU Farm to Fork strategy
- Proposal for a nature restoration law
- Habitats and Birds Directives
- EU forest strategy and EU soil strategy for 2030
- Zero Pollution Action Plan
- EU climate adaptation strategy
- IPBES/IPCC



EXPECTED IMPACT (STRATEGIC PLAN)

Biodiversity is back on a path to recovery, and ecosystems and their services are preserved and sustainably restored on land, inland water and sea through improved knowledge and innovation



IMPACT AREAS (STRATEGIC PLAN)

- **Enhancing ecosystems and biodiversity on land and in water**
- Climate neutrality and adaptation to climate change
- Good health and high-quality accessible healthcare
- Clean and healthy air, water and soil
- A resilient EU prepared for emerging threats
- Sustainable food systems from farm to fork on land and sea

CALLS 2024 – BIODIVERSITY AND ECOSYSTEMS SERVICES



**Understanding and
addressing the main
drivers of
biodiversity loss**

1 topic



**Biodiversity
protection and
restoration**

1 topic



**Mainstreaming
biodiversity in
society and economy**

5 topics



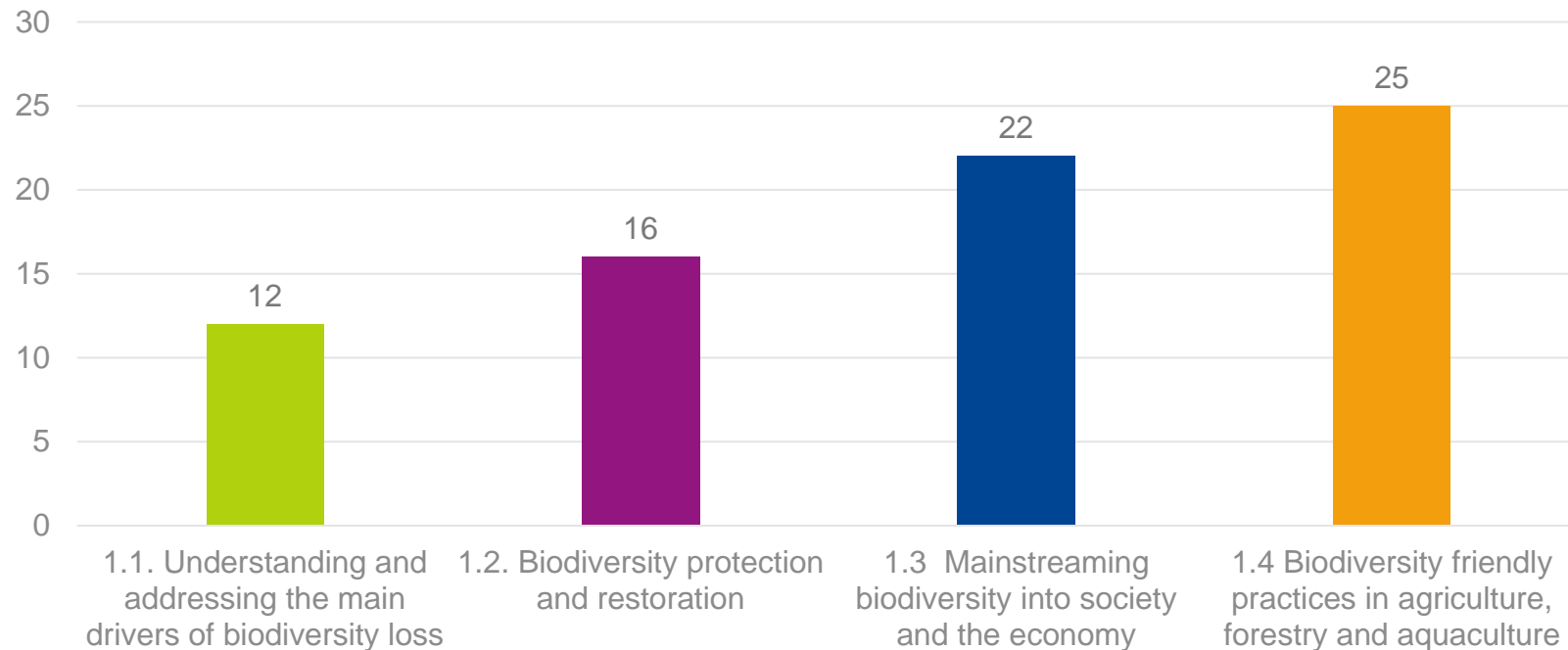
**Biodiversity friendly
practices in agriculture,
forestry and
aquaculture**

5 topics

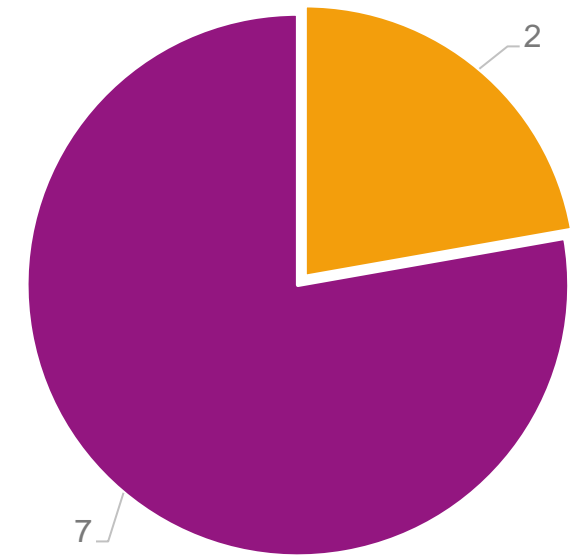
BIODIVERSITY AND ECOSYSTEM SERVICES

Call HORIZON-CL6-2024-BIODIV-01

Budget BIODIV 2024 Call 01 – 76 M EUR



Type of Actions



■ IA ■ RIA

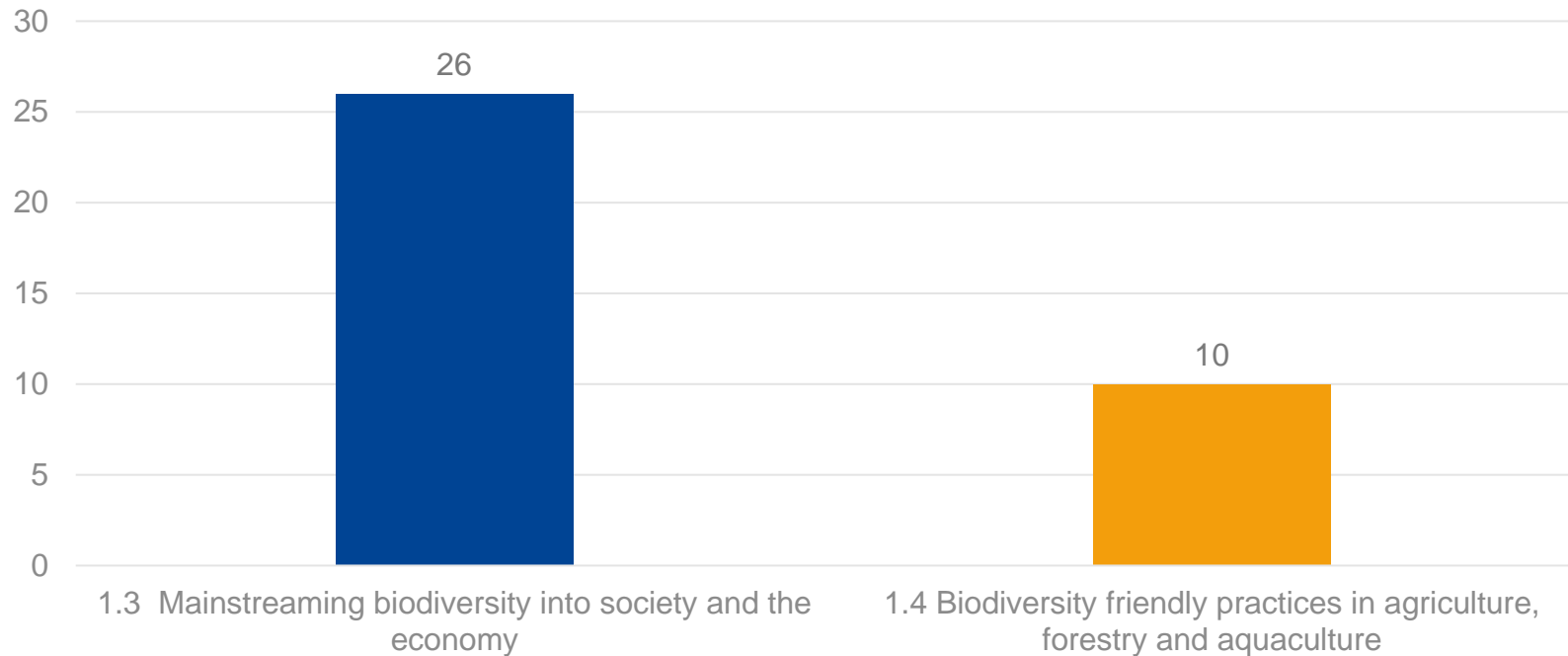
N. Projects expected to be funded

14

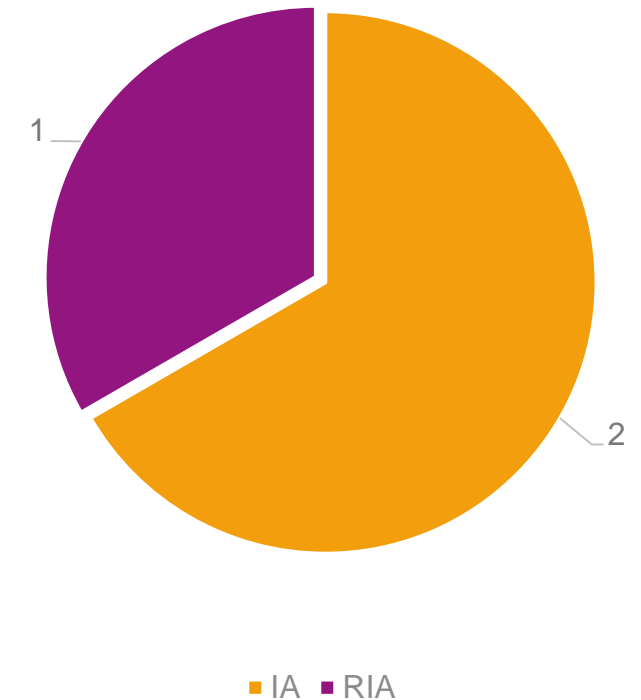
BIODIVERSITY AND ECOSYSTEM SERVICES

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

Budget BIODIV 2024 Call 02 – 36 M EUR



Type of Actions



N. Projects expected to be funded

6

NATIONAL HORIZON EUROPE INFO DAY

CLUSTER 6 - FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

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



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



POLICY CONTEXT

- European Green Deal
- Farm to Fork Strategy
- Common Agricultural Policy
- Common Fishery Policy
- Food2030
- Strategic Approach to EU Agricultural Research and Innovation



IMPACT FROM STRATEGIC PLAN

Food and nutrition security for all within planetary boundaries is ensured through knowledge, innovation and digitalisation in agriculture, fisheries, aquaculture and food systems, which are sustainable, resilient, inclusive, safe and healthy **from farm to fork**



IMPACT AREAS

- Sustainable food systems from farm to fork on land and sea
- Climate change mitigation and adaptation
- Enhancing ecosystems and biodiversity on land and in water
- Good health and high-quality accessible healthcare
- Clean and healthy air, water and soil
- A resilient EU prepared for emerging threats
- Inclusive growth and new job opportunities

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



**Enabling
sustainable
farming systems**

6 topics



**Enabling
sustainable
fisheries and
aquaculture**

2 topic



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

8 topics



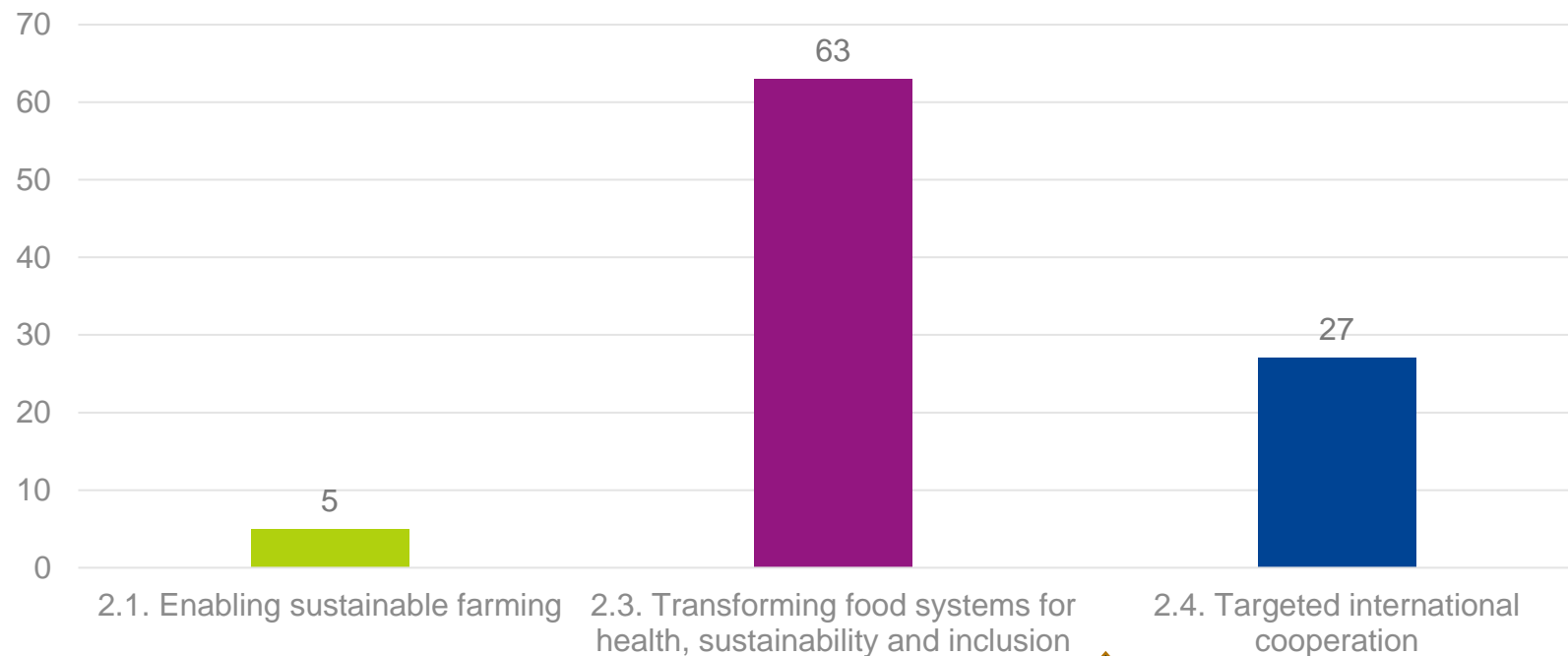
**Targeted
international
cooperation**

2 topics

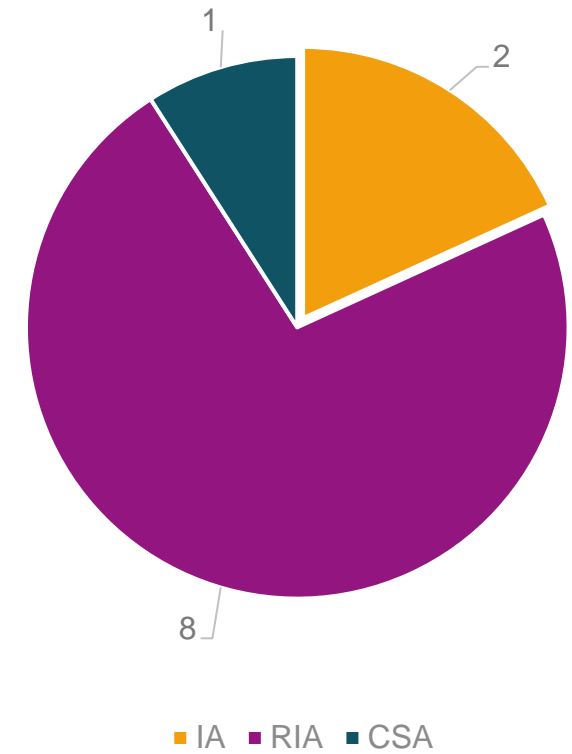
FAIR, HEALTHY AND ENVIRONMENT-FRIENDLY FOOD SYSTEMS FROM PRIMARY PRODUCTION TO CONSUMPTION

Call HORIZON-CL6-2024-FARM2FORK-01

Budget FARM2FORK 2024 Call 01 – 95 M EUR



Type of Actions



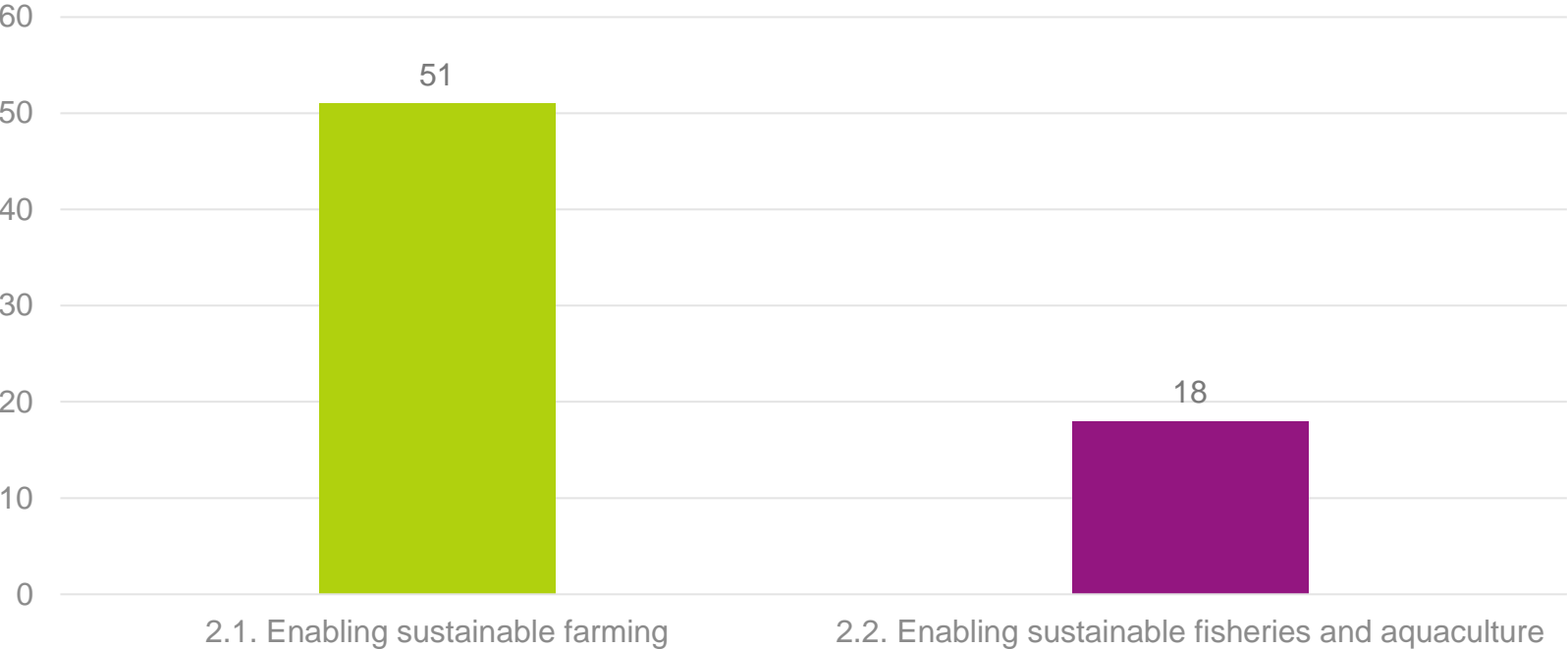
N. Projects expected to be funded

21

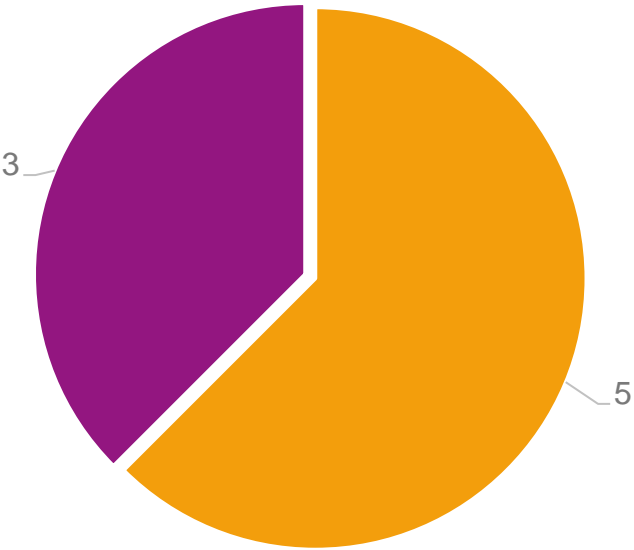
FAIR, HEALTHY AND ENVIRONMENT-FRIENDLY FOOD SYSTEMS FROM PRIMARY PRODUCTION TO CONSUMPTION

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

Budget FARM2FORK 2024 Call 02 – 69 M EUR



Type of Actions



IA RIA



European
Commission

N. Projects expected to be funded

13

NATIONAL HORIZON EUROPE INFO DAY

CLUSTER 6 - FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

Destination 3 – Circular economy and bio-based systems



CALLS 2024 – CIRCULAR ECONOMY AND BIOECONOMY SECTORS



POLICY CONTEXT

- European Green Deal
- Circular Economy Action Plan
- Biodiversity Strategy
- Bioeconomy Strategy
- Forest Strategy
- Plastics Strategy
- Industrial Strategy
- SME Strategy



IMPACT FROM STRATEGIC PLAN

Sustainable and circular management and use of natural resources as well as **prevention and removal of pollution are mainstreamed**, unlocking the potential of the **bioeconomy**, ensuring competitiveness and guaranteeing healthy soil, air, fresh and marine water for all, through better understanding of planetary boundaries and deployment of innovative technologies and other solutions, notably in **primary production, forestry and bio-based systems**



IMPACT AREAS

- Climate change mitigation and adaptation
- Enhancing ecosystems and biodiversity on land and in water
- A resilient EU prepared for emerging threats
- Inclusive growth and new job opportunities
- Industrial leadership in key and emerging technologies that work for people

CALLS 2024 – CIRCULAR ECONOMY AND BIO-BASED SYSTEMS



Enabling a circular economy transition

11 topics



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

6 topics



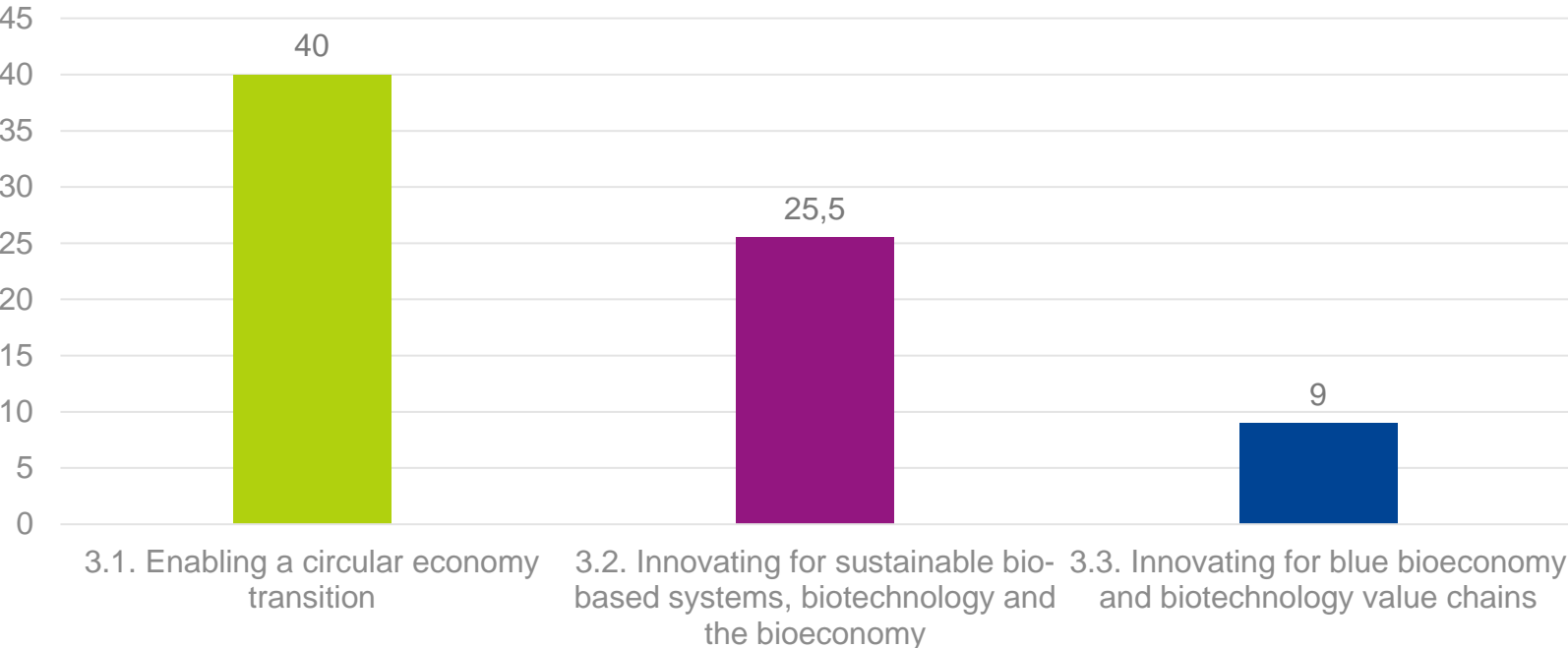
Innovating for sustainable bio-based systems, biotechnology and the bioeconomy

1 topic

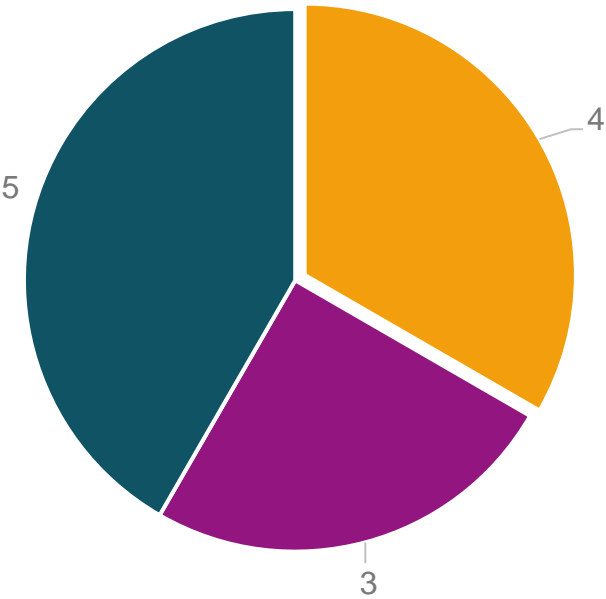
CIRCULAR ECONOMY AND BIO-BASED SYSTEMS

Call HORIZON-CL6-2024-CIRBIO-01

Budget CIRBIO 2024 Call 01 – 74,5 M EUR



Type of Actions



IA RIA CSA



European Commission

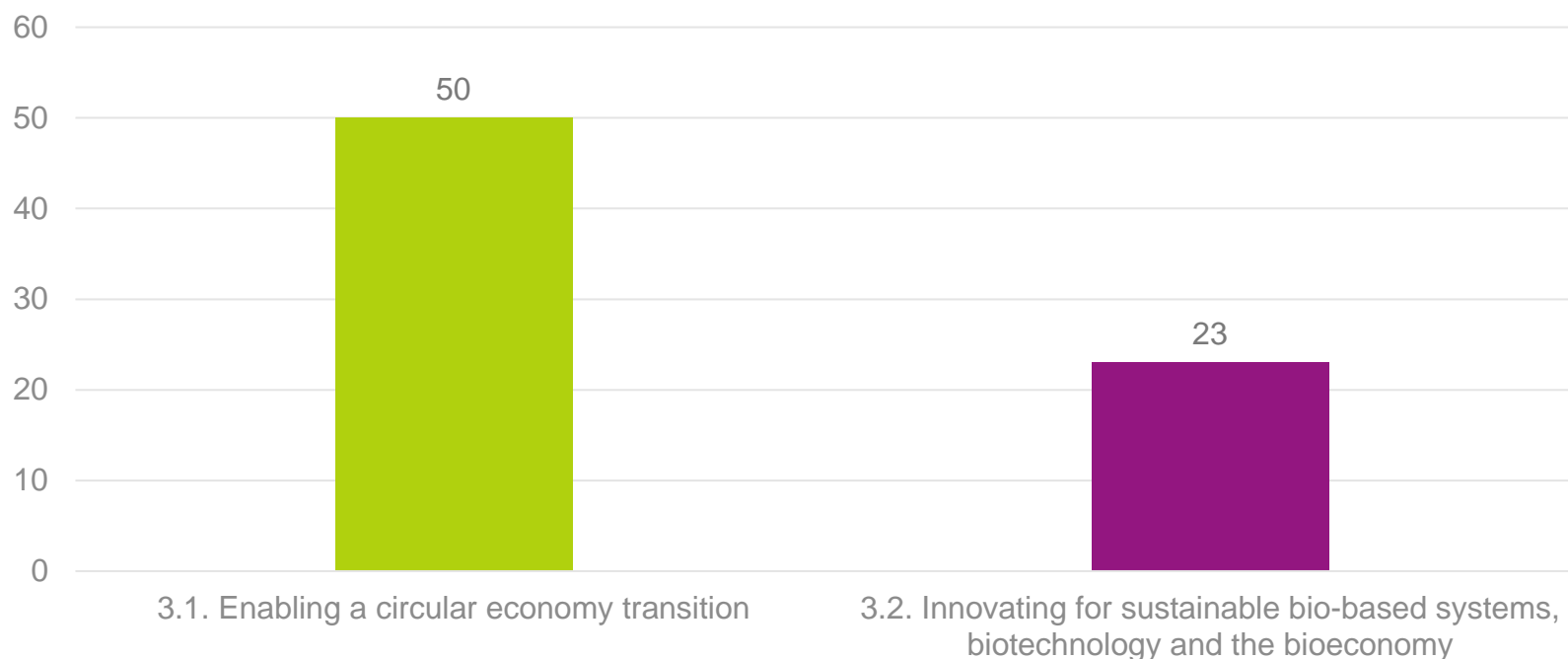
N. Projects expected to be funded

18

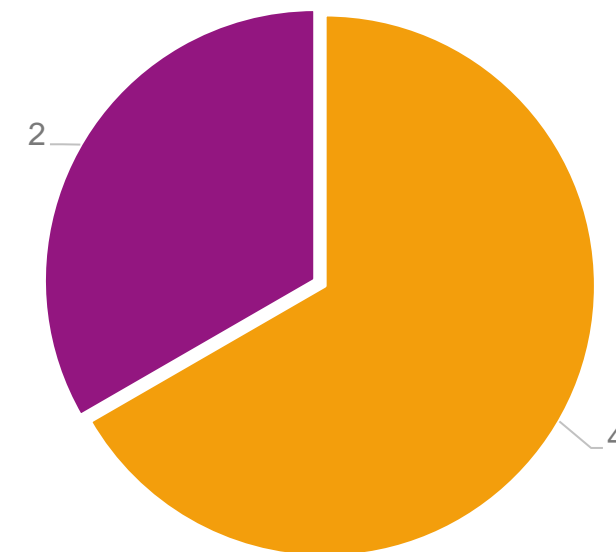
CIRCULAR ECONOMY AND BIO-BASED SYSTEMS

Call HORIZON-CL6-2024-CIRBIO-02-two-stage

Budget CIRBIO 2024 Call 01 – 73 M EUR



Type of Actions



■ IA ■ RIA



European
Commission

N. Projects expected to be funded

15

NATIONAL HORIZON EUROPE INFO DAY

CLUSTER 6 - FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

Destination 4 – Clean environment and zero pollution



CALLS 2024 - CLEAN ENVIRONMENT AND ZERO POLLUTION



POLICY CONTEXT

- European Green Deal
- Zero pollution action plan
- Bioeconomy strategy
- Circular economy action plan
- Farm to fork strategy
- Soil strategy
- Marine Strategy Framework Directive
- EU water policy
- EU Missions: Soil, Ocean & Waters



EXPECTED IMPACT (STRATEGIC PLAN)

Sustainable and circular management and use of natural resources as well as **prevention and removal of pollution** are mainstreamed, unlocking the bioeconomy's potential, ensuring competitiveness and **guaranteeing healthy soil, air, and fresh and marine water for all**, through

- i) better understanding of planetary boundaries and
- ii) deploying innovative technologies and other solutions, notably in primary production, forestry and bio-based systems



IMPACT AREAS (STRATEGIC PLAN)

- Climate change mitigation and adaptation
- Enhancing ecosystems and biodiversity on land and in water
- Good health and high-quality accessible healthcare
- **Clean and healthy air, water and soil**
- A resilient EU prepared for emerging threats
- Inclusive growth and new job opportunities
- Circular and clean economy
- Sustainable food systems from farm to fork on land and sea

CALLS 2024 – CLEAN ENVIRONMENT AND ZERO POLLUTION



**Halting pollution of
air, soil and water**

2 topics



**Protecting drinking
water and managing
urban water pollution**

1 topic



**Increasing environmental
performances of bio-
based processes**

1 topic



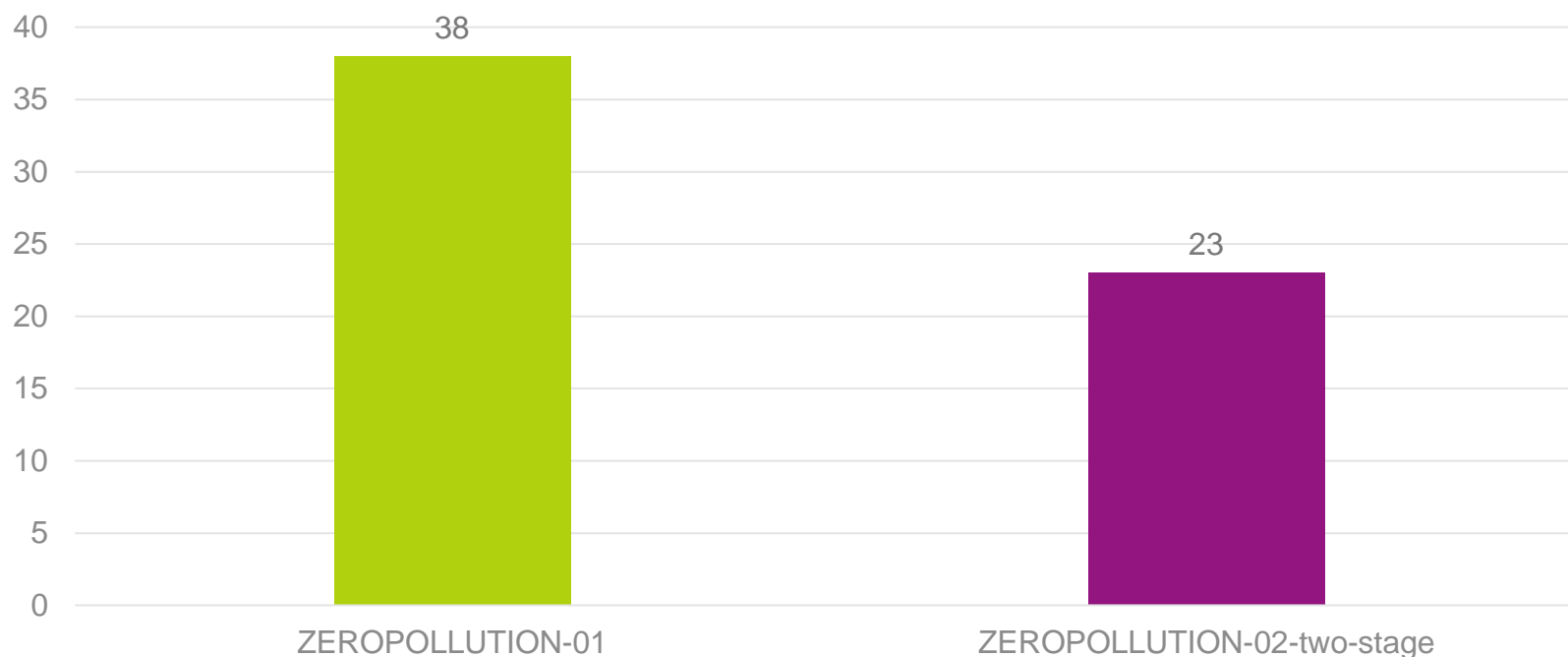
**Reducing the
environmental impact and
pollution of food systems**

1 topic

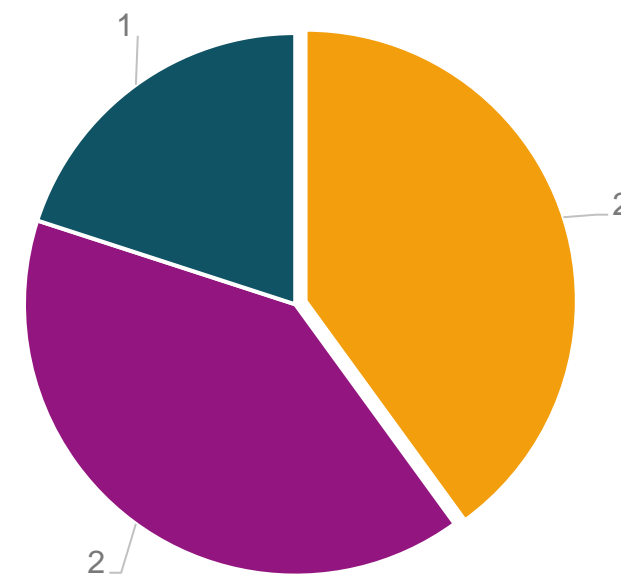
CLEAN ENVIRONMENT AND ZERO POLLUTION

Calls HORIZON-CL6-2024-ZEROPOLLUTION-01, HORIZON-CL6-2024-ZEROPOLLUTION-02-two-stage

Budget ZEROPOLLUTION 2024 Calls – 61 M EUR



Type of Actions



■ IA ■ RIA ■ CSA

N. Projects expected to be funded

11

NATIONAL HORIZON EUROPE INFO DAY

CLUSTER 6 - FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

Destination 5 – Land, ocean and water for climate action



CALL 2024 – LAND, OCEAN AND WATER FOR CLIMATE ACTION



POLICY CONTEXT

- European Green Deal
- Climate Action
- Biodiversity Strategy
- Farm to Fork Strategy
- Common Agricultural Policy
- EU Arctic Policy, All-Atlantic Ocean Research and Innovation Alliance



IMPACT FROM STRATEGIC PLAN

- Climate neutrality is achieved by reducing GHG emissions, maintaining natural carbon sinks, and enhancing the sequestration and storage of carbon in ecosystems, including by unfolding the potential of nature based solutions, production systems on land and at sea as well as rural and coastal areas, where adaptations to climate change are also being fostered for enhancing resilience



IMPACT AREAS

- *Climate change mitigation and adaptation*
- *Enhancing ecosystems and biodiversity on land and in water*
- *Clean and healthy air, water and soil*
- *Sustainable food systems from farm to fork on land and sea*
- *A resilient EU prepared for emerging threats*
- *A secure and open EU society*
- *Inclusive growth and new job opportunities*

CALL 2024 – LAND, OCEAN AND WATER FOR CLIMATE ACTION

This call is not divided into «*Headings* ». It includes **7 topics** on:

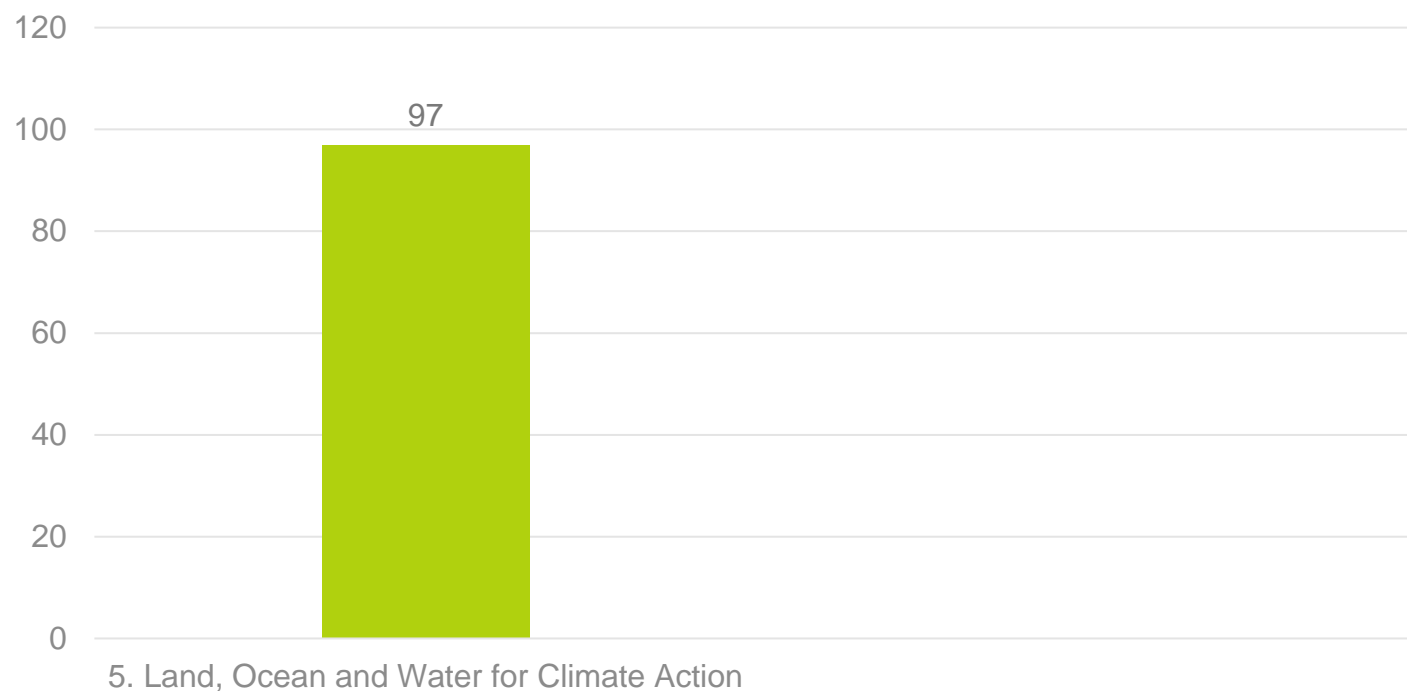
- Improving irrigation practices and technologies in agriculture
- Socio-economic, climate and environmental aspects of paludiculture
- Paludiculture: large-scale demonstrations
- Land use change and local / regional climate
- Climate-smart use of wood in the construction sector to support the New European 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



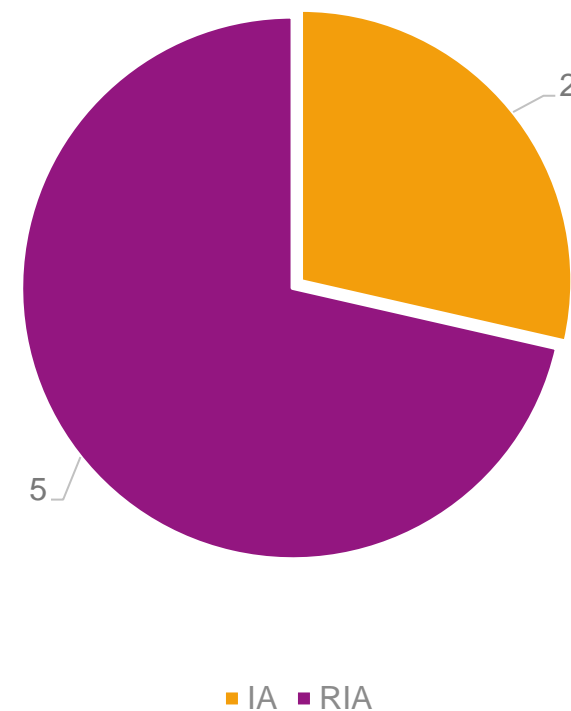
LAND, OCEAN AND WATER FOR CLIMATE ACTION

Call HORIZON-CL6-2024-CLIMATE-01

Budget CLIMATE 2024 Call 01 – 75 M EUR



Type of Actions



N. Projects expected to be funded

12

NATIONAL HORIZON EUROPE INFO DAY

CLUSTER 6 - FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

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



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



POLICY CONTEXT

- European Green Deal
- Farm To Fork Strategy
- Biodiversity strategy
- Organic Action Plan
- EU climate adaptation strategy
- Common Agricultural Policy
- EU social economy action plan
- Long-term vision for EU's rural areas
- EU Territorial Agenda 2030



IMPACT FROM STRATEGIC PLAN

- Rural, coastal and urban areas are **developed in a sustainable, balanced and inclusive manner** thanks to a better understanding of the **environmental, socio-economic, behavioural and demographic drivers** of change as well as deployment of **digital, social and community-led innovations**



IMPACT AREAS

- Climate change mitigation and adaptation
- Enhancing ecosystems and biodiversity on land and in water
- Sustainable food systems from farm to fork
- Good health and high-quality accessible healthcare
- A resilient EU prepared for emerging threats
- A competitive and secure data-economy
- Inclusive growth and new job opportunities

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

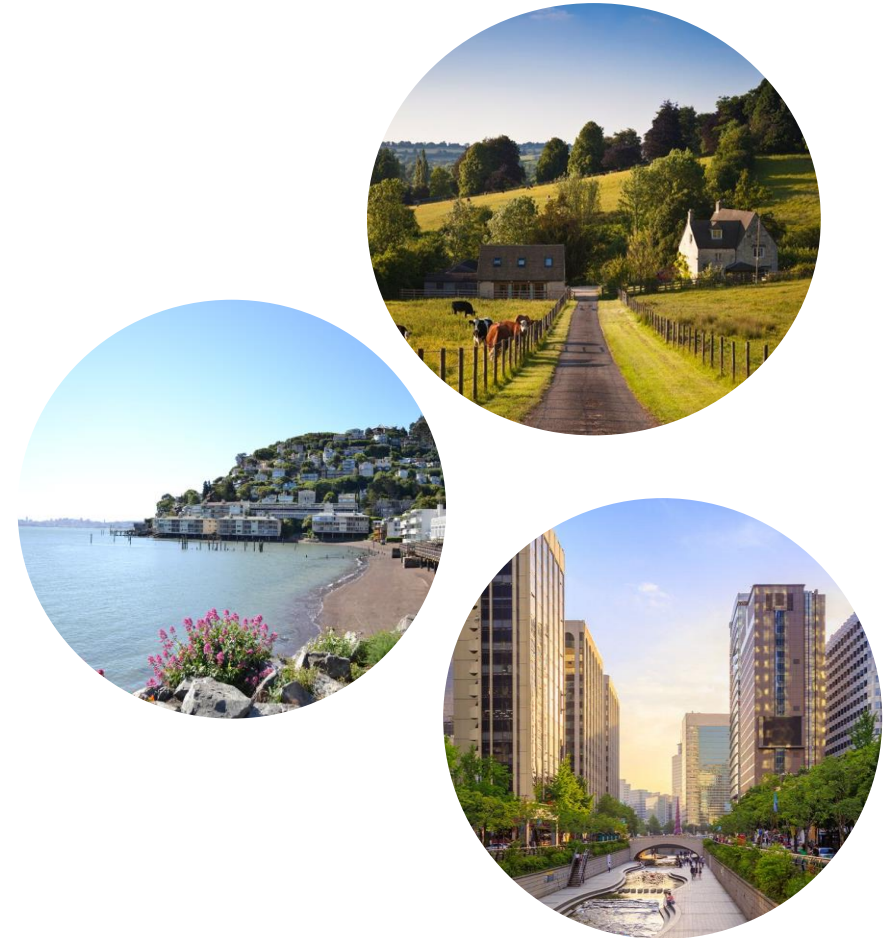
The **2024 Calls** includes **5 topics**:

HORIZON-CL6-2024-COMMUNITIES-01

1. Unlock the potential of the New European Bauhaus in urban food system transformation
2. Societal perceptions and benefits of rural life and jobs: will COVID 19 generate a long-lasting shift?
3. Participation and empowerment of Arctic coastal, local, and indigenous communities in environmental decision-making

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

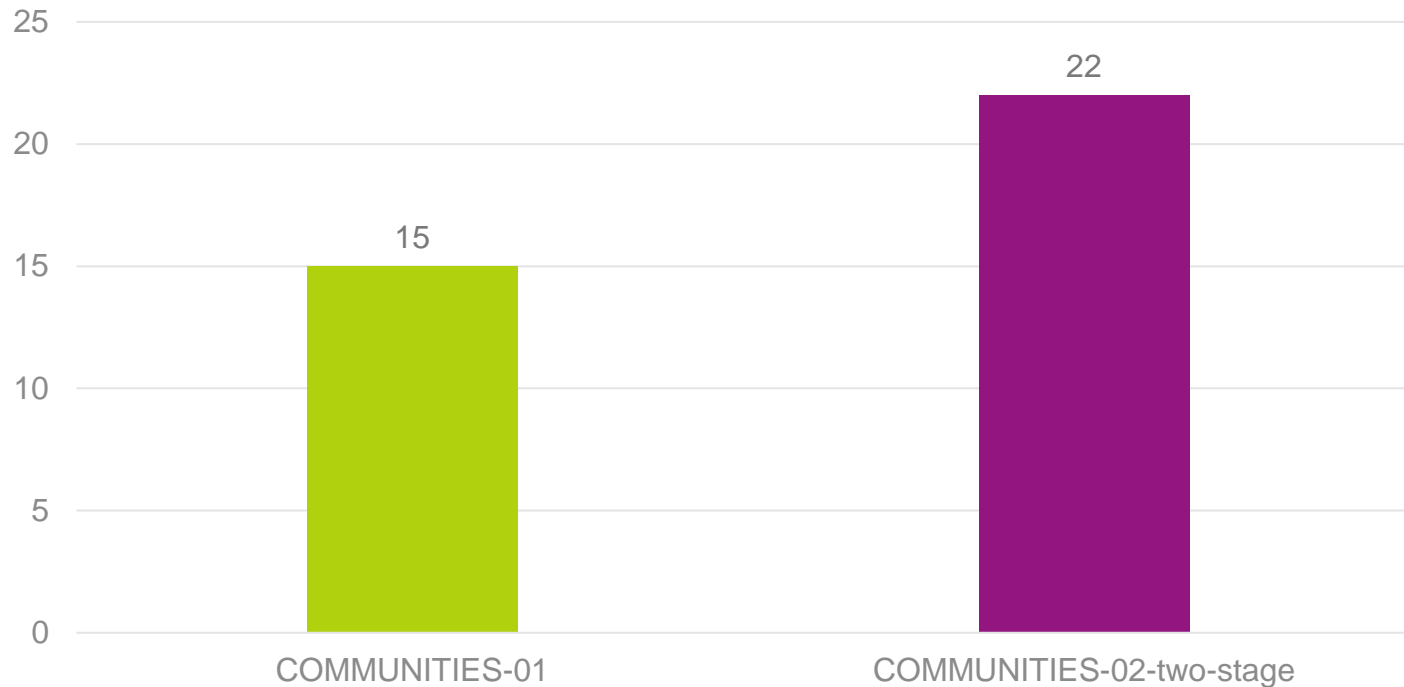
4. Innovating for climate-neutral rural communities by 2050
5. New sustainable business and production models for farmers and rural communities



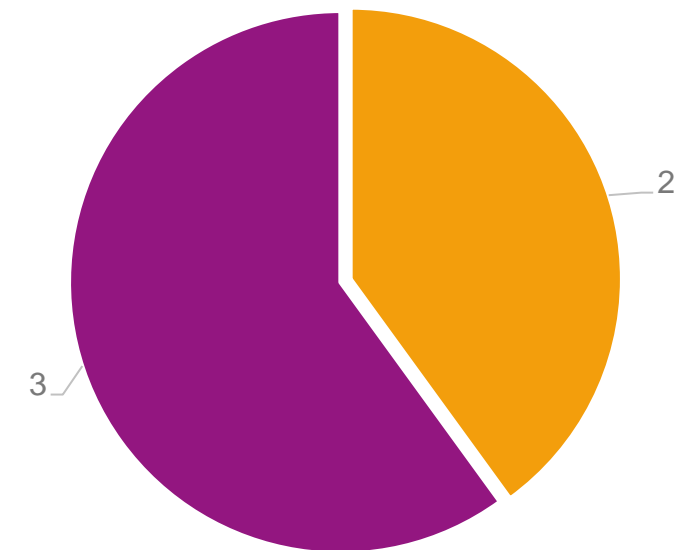
RESILIENT, INCLUSIVE, HEALTHY AND GREEN RURAL, COASTAL AND URBAN COMMUNITIES

Calls HORIZON-CL6-2024-COMMUNITIES-01 / HORIZON-CL6-2024-COMMUNITIES-02-two-stages

Budget COMMUNITIES 2024 Calls – 37 M EUR



Type of Actions



IA RIA

N. Projects expected to be funded

8

NATIONAL HORIZON EUROPE INFO DAY

CLUSTER 6 - FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

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



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



POLICY CONTEXT

- European Green Deal
- Farm to Fork, 2030 Biodiversity Strategy
- Common Agricultural Policy, Sustainable Pesticide Use, Fertilisers, Food Security communication
- European space programme with the Copernicus part on Earth observation, European Space Agency's (ESA) Earth observation programme
- European Digital Strategy, European Strategy for Data
- EU Bioeconomy Strategy



IMPACT FROM STRATEGIC PLAN

- **Innovative governance models** enabling sustainability and resilience are established and monitored through enhanced and shared use of new **knowledge**, tools, foresight, and **environmental observations** as well as **digital**, modelling and forecasting capabilities



IMPACT AREAS

- Sustainable food systems from farm to fork on land and sea
- High quality digital services for all
- A competitive and secure data-economy
- Climate change mitigation and adaptation
- Clean and healthy air, water and soil
- Enhancing ecosystems and biodiversity on land and in water

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



**Innovating with
governance
models and
supporting policies**

3 topics



**Deploying and
adding value to
Environmental
Observations**

2 topic



**Digital and data
technologies as
key enablers**

1 topic



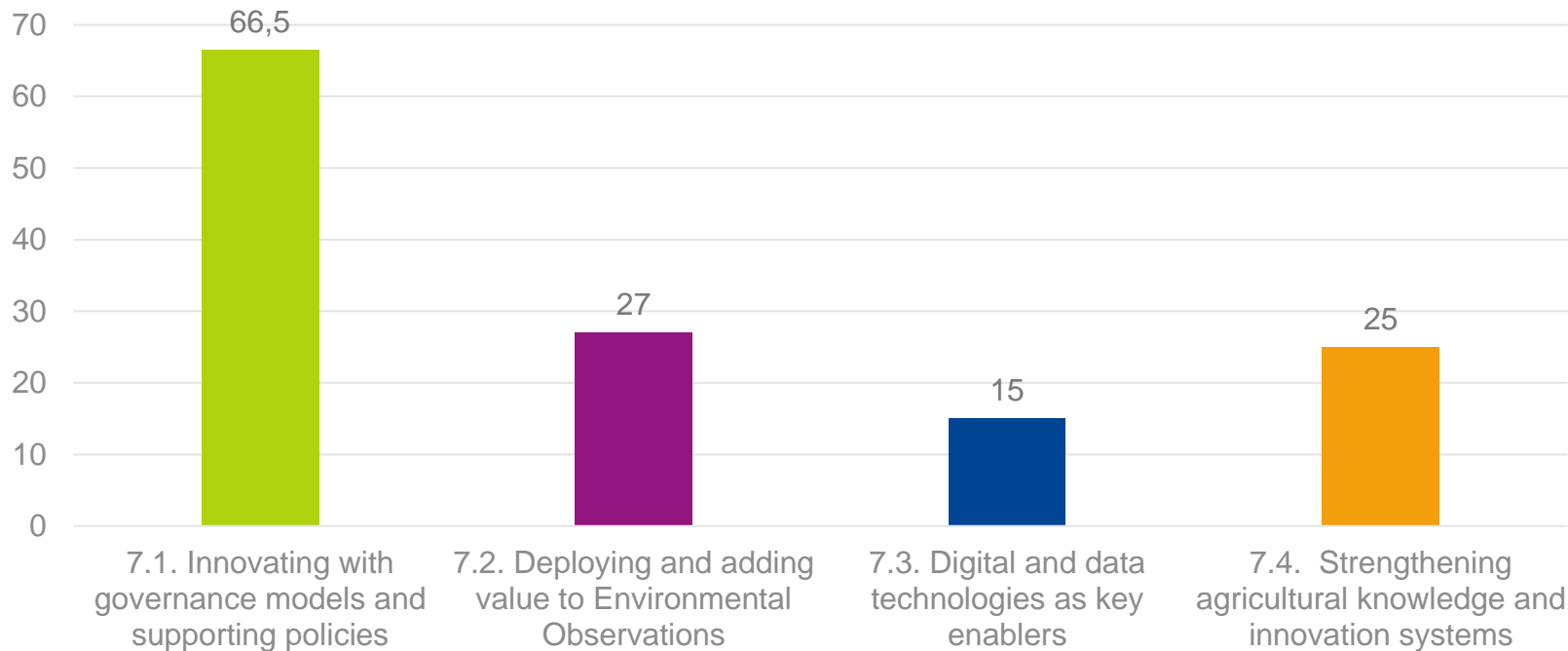
**Strengthening
agricultural knowledge
and innovation systems**

6 topics

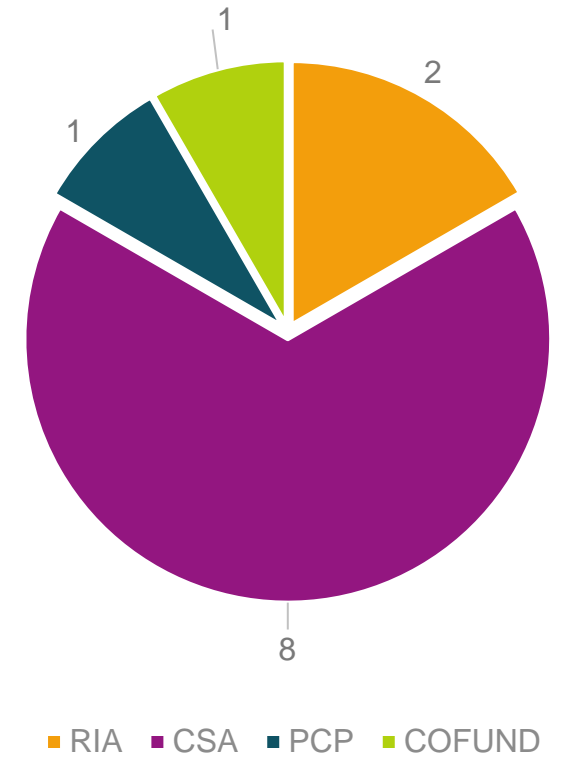
INNOVATIVE GOVERNANCE, ENVIRONMENTAL OBSERVATIONS AND DIGITAL SOLUTIONS IN SUPPORT OF THE GREEN DEAL – CALL 2024

Call HORIZON-CL6-2024-GOVERNANCE-01

Budget GOVERNANCE 2024 Call 01 – 133,5 M EUR



Type of Actions



N. Projects expected to be funded

16

NATIONAL HORIZON EUROPE INFO DAY

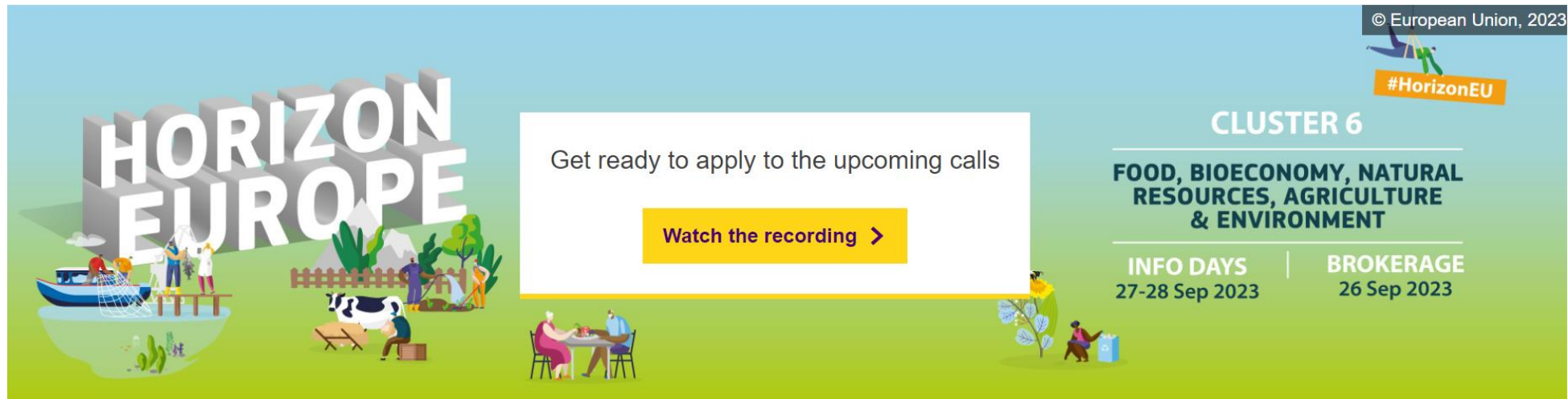
CLUSTER 6 - FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

Key to success



HOW TO WRITE A SUCCESSFUL APPLICATION AND MUCH MORE...

- The recordings of the **2024 CL6 Info Days** held on 27-28 September 2023 are available online at the webpage of the event. You can replay each sessions including the one on **Key to success** – link [here](#). By re-watching the sessions you will:



- Learn more about proposal preparation and submission, admissibility and eligibility, evaluation criteria.
- Get tips and hints for successful submission and learn more about the multi-actor approach.
- Gain insight on gender equality plans (GEP), blind evaluations and lump sums.
- Learn how to navigate the Funding & Tenders portal.

Follow us and keep up to date via:

HorizonEU

DG Research and Innovation: @EUScienceInnov @HorizonEU

DG Agriculture: @EUAgri

DG Environment: @EU_ENV

Horizon Magazine: @HorizonMagEU

Horizon Europe website: <http://ec.europa.eu/horizon-europe>

European Research Executive Agency website: https://rea.ec.europa.eu/index_en

Green Deal Projects Support Office Newsletter: <https://ec.europa.eu/newsroom/rtd/user-subscriptions/2977/create>

Science for Environmental Policy (SfEP): <https://ec.europa.eu/newsroom/env/user-subscriptions/1701/create>

EU CAP Network (Innovation, Knowledge Exchange and EIP-AGRI) Newsletter: [link](#)



CLUSTER 6 – NATIONAL INFO DAYS

Thank you!



Any questions?

- Check the [FAQ](#)
- Contact the [Research Enquiry Service \(RES\)](#)
- Contact the [National Contact Points \(NCPs\)](#)