

HORIZON
EUROPE

Horizon Europe Marine & Maritime Brokerage event

28th April 2021



Photograph © Daniel Farrell and Ann Robinson, Coast Monkey

Practical details

The event will be recorded and available on <https://horizoneurope.ie/>

Slides, contact details and responses to questions will be uploaded to same website

Today's presentations are based on **DRAFT WORKPROGRAMMES**

Please post your questions in the chat function as participants will be muted

After the pitching sessions participants should move to the B2B platform for the 1:1 meetings and brokerage sessions

<https://horizon-europe-marine-brokerage-event.b2match.io/>





This event is a partnership between the European Enterprise Network, Invest Northern Ireland and Cluster 5 and Cluster 6 NCPs in Denmark, Ireland, the UK, Iceland, Northern Ireland, Scotland & Norway



Photograph © Daniel Farrell and Ann Robinson, Coast Monkey

What to expect today

Helicopter view of the new Horizon Europe funding programme

Draft high-level marine and maritime opportunities within:

- Cluster 5 (Climate, Energy and Mobility) &

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

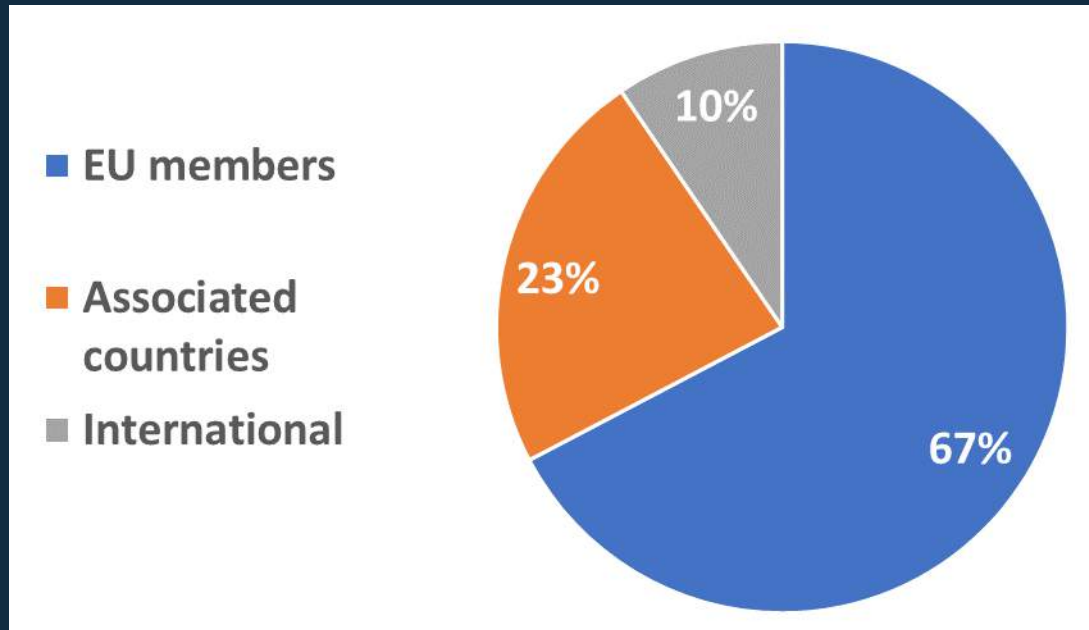
Keep eye open in other Clusters and Pillars!



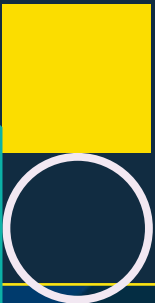
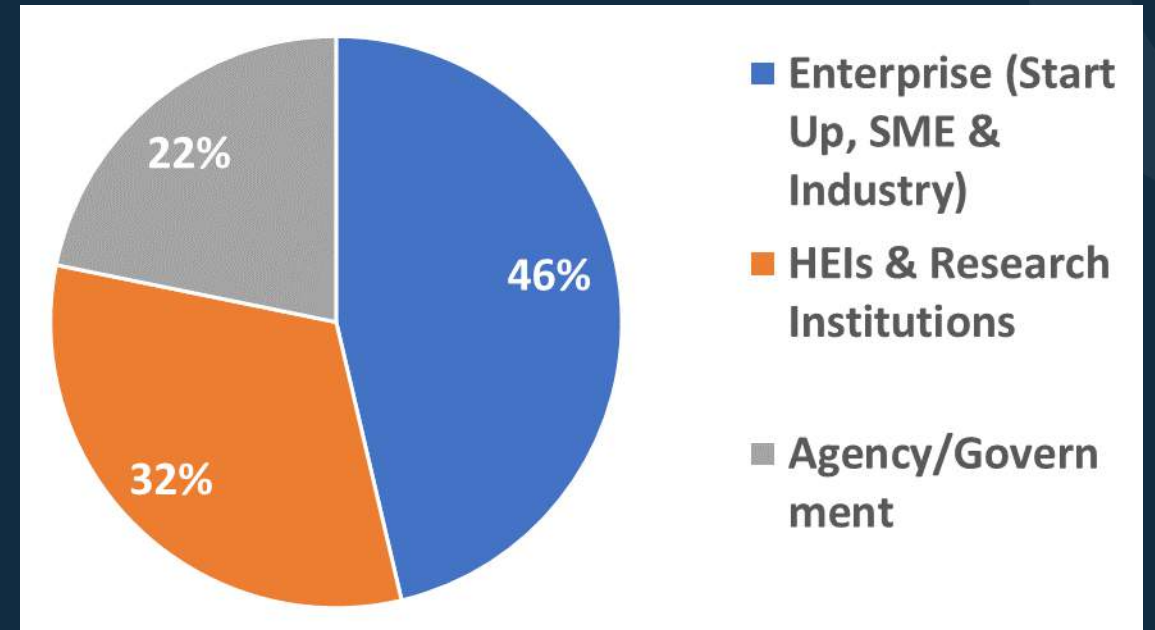
Agenda

- 9.10am - An Introduction to Horizon Europe – Niels Gøtke (Cluster 6 NCP Denmark)
- 9.30am - Marine & Maritime topics in Cluster 5 – Philip Cheasty (Cluster 5 NCP Ireland)
Bob Flynn (Cluster 5 NCP Ireland)
Waterborne Transport Partnership: Louise Mothersole (Cluster 5 NCP UK)
- 9.45am – Part 1 of Cluster 6 - Kolbrún Bjargmundsdóttir (Cluster 6 NCP Iceland)
- 10.00am - Part 2 of Cluster 6 – Helen Sweeney (Cluster 6 NCP UK)
- 10.15am – Supports available – Elaine Groom (Cluster 6 NCP Northern Ireland)
- 10.25am – Coffee Break
- 10.40am – Elevator Pitches - Lisbeth Vassaas (EEN NCP Norway)
- 12.30pm - 1:1 Meetings on B2B platform

Location of Participants



Type of Participant



Market Place Opportunities

<https://horizon-europe-marine-brokerage-event.b2match.io/marketplace>

You can still go to the B2B website to book meetings

Over 350 meetings and interactions have been booked and this will continue for the duration of the day

There are 282 Marketplace opportunities

The platform will be available to you to review marketplace opportunities and participant details after the event



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Horizon Europe. Opportunities and novelties. EEN marine / maritime brokerage event 28 April 2021

Niels Gøtke, Head of Division
Danish Agency for Science and Higher
Education

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Agenda

1. Understanding HEU, (what is new, intervention logic, types of action, evaluation, partner or coordinator in the consortium)
2. Cluster 5 and Cluster 6 in HEU
3. Partnerships and Missions in HEU -why are they important)



What is



Understanding Horizon Europe

- The 9th EU framework programme for research and innovation
- € 95,5 billion funding for research, innovation and societal transitions 2021-2027
- European investments in order to shape our future
- Solutions to specific, European and/or Global challenges



Horizon Europe

Total budget cf. MFF: 95,5 bil. € (current prices)

Pillar I: Excellent Science

(25 bil. €)

European Research Council (ERC) (16 bil. €)

Marie Skłodowska-Curie Actions (6,6 bil. €)

Research infrastructures (2,4 bil. €)

Pillar II: Global Challenges and European Industrial Competitiveness

(53,5 bil. €)

Clusters:

1. Health (8,2 bil. €)
2. Culture, Creativity and Inclusive Society (2,3 bil. €)
3. Civil Security for Society (1,6 bil. €)
4. Digital, Industry and Space (15,3 bil. €)
5. Climate, Energy and Mobility (15,1 bil. €)
6. Food, Bioeconomy, Natural Resources, Agriculture and Environment (8,9 bil. €)

Partnerships (max 40 % budget of pillar II)

Missions (max 10 % budget of pillar II)

Pillar III: Innovative Europe

(13,6 bil. EUR)

European Innovation Council (EIC) – Accelerator and Pathfinder (10,1 bil. €)

European Innovation Ecosystems (0,5 bil. €)

European Institute of Innovation and Technology + KICs (2,9 bil. €)

Underlying topics: "Widening" and Strengthening the European Research Area (3,4 bil. €)

A vision for Europe

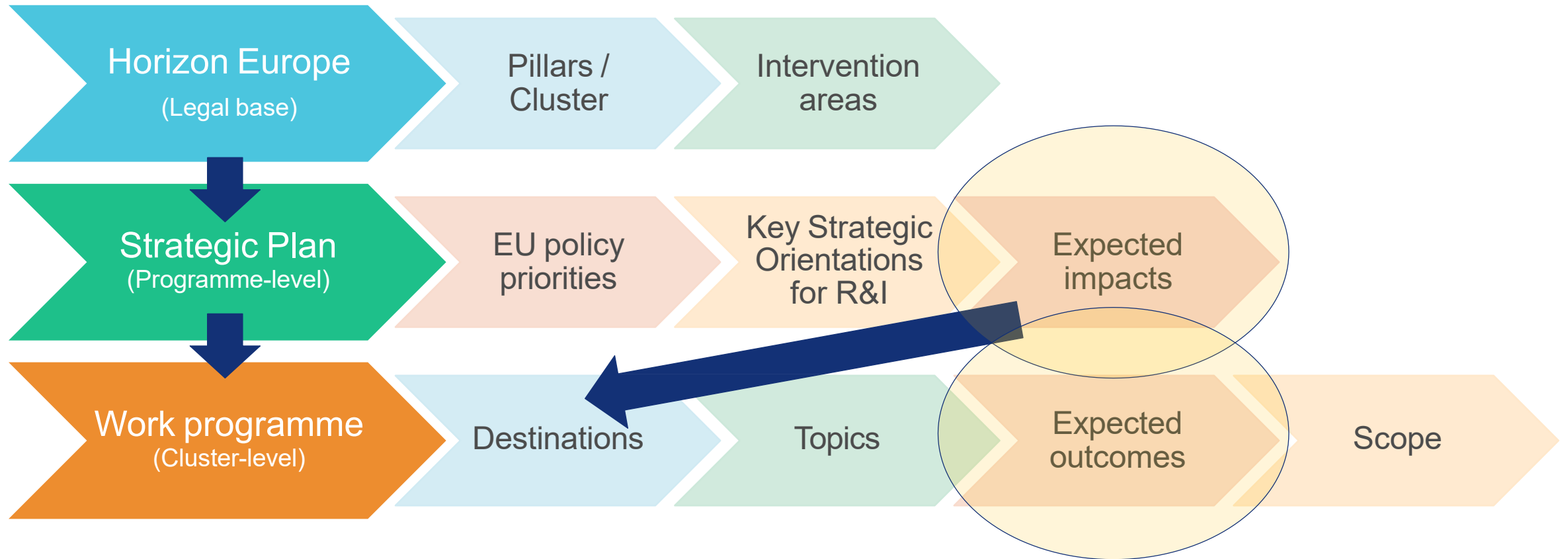
“A sustainable, fair and **prosperous** future for **people** and **planet** based on European values.”

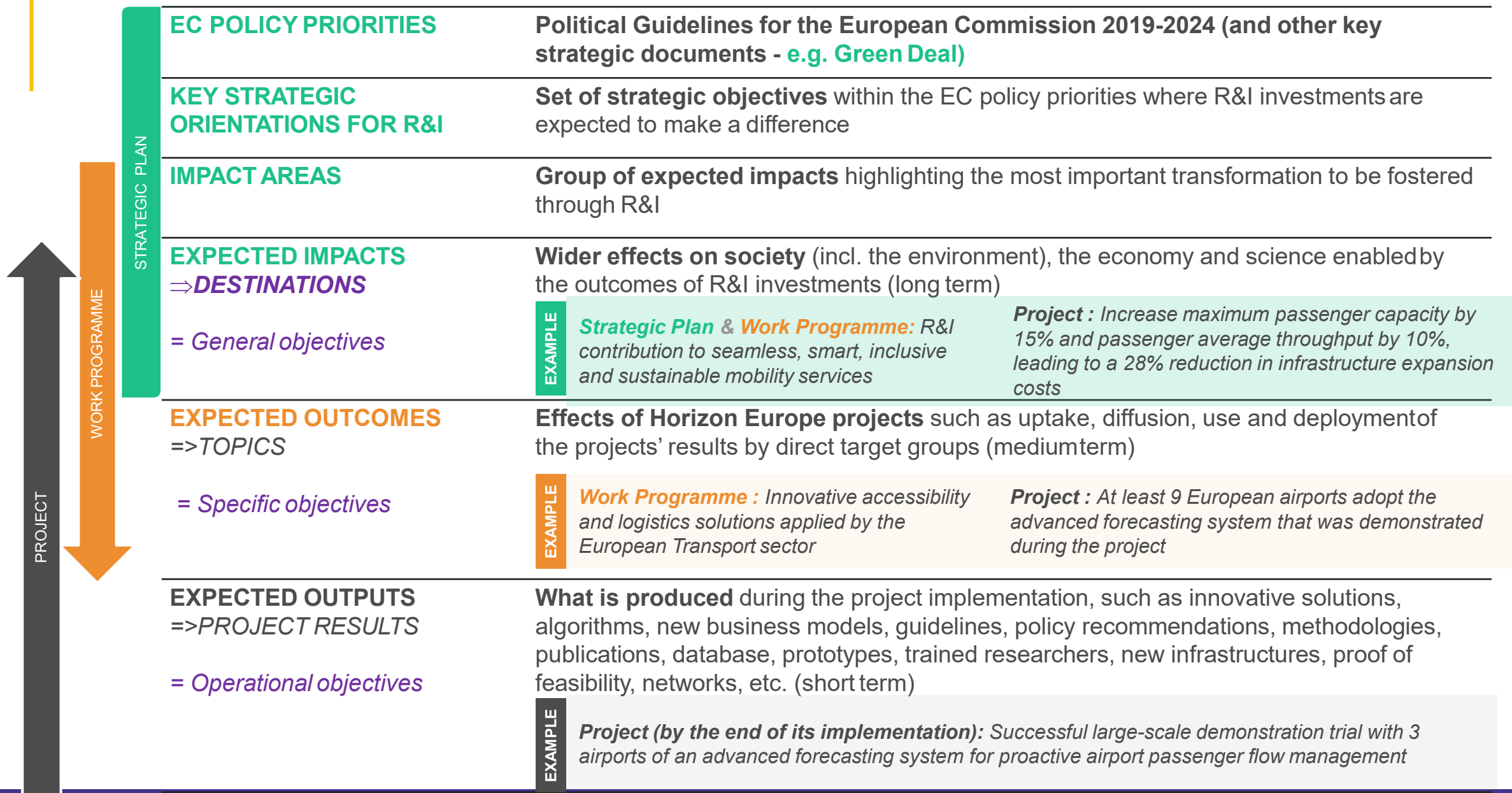
- Tackling **Climate change** (35 % budgetary target)
- Helping to achieve **Sustainable Development Goals** (Paris Agreement and European Green Deal)
- Boosting the Union's **competitiveness and growth**





Horizon Europe Intervention Logic





Evaluation criteria – in Horizon Europe

Conditions set out in the Model Grant Agreement **many novelties:**

Excellence (up to 5 points)

Open science (novelty)

Impact (up to 5 points)

Key Impact Pathways to achieve outcome and impact (novelty)

Implementation (up to 5 points)

Quality of applicants (novelty)

More focus on D&E (novelty)



IMPACT



IMPACT DESIGN IN HORIZON EUROPE

Scientific impact

Promote scientific excellence, support the creation and diffusion of high-quality new fundamental and applied knowledge, skills, training and mobility of researchers, attract talent at all levels, and contribute to full engagement of Union's talent pool in actions supported under the Programme.



Societal impact

Generate knowledge, strengthen the impact of R&I in developing, supporting and implementing Union policies, and support the uptake of innovative solutions in industry, notably in SMEs, and society to address global challenges, inter alia the SDGs



Economic impact

Foster all forms of innovation, facilitate technological development, demonstration and knowledge transfer, and strengthen deployment of innovative solutions



Cluster 6: Work Programme 2021-2022 budget distribution per destination

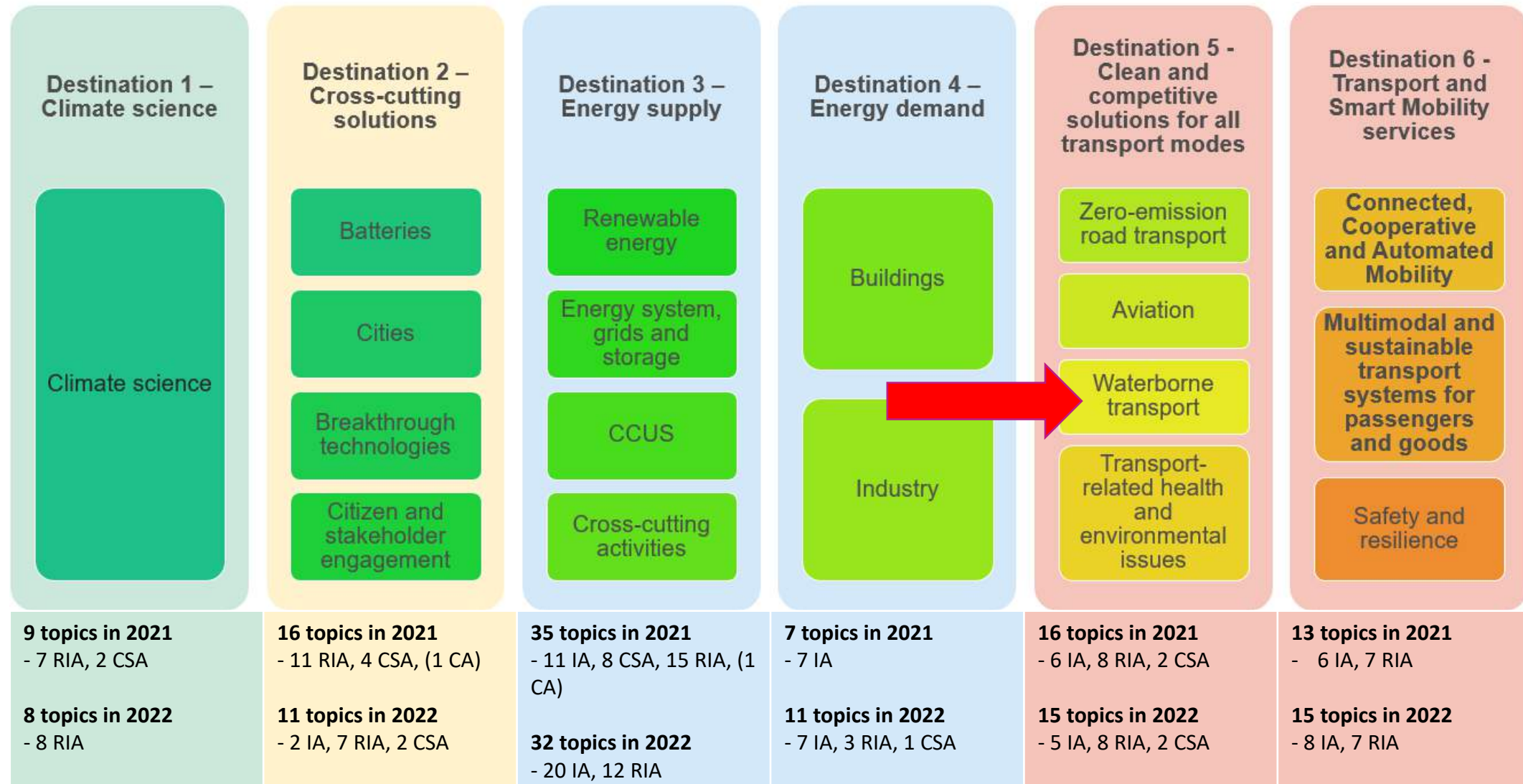


Excluding funds allocated for missions and the EU contribution to CBE for Work Programme 2021-2022 available around **EUR 1.8 billion**. At this stage all figures are indicative and subject to MFF negotiations outcomes

Destination	Number of topics	Budget [mln EUR]	% Share
1 Biodiversity and ecosystem services	36	369,5	20,2%
2 Fair, healthy and environmentally-friendly food systems from primary production to consumption	43	425	23,3%
3 Circular economy and bioeconomy sectors	21	230	12,6%
4 Clean environment and zero pollution	11	86	4,7%
5 Land, oceans and water for climate action	15	195	10,7%
6 Resilient, inclusive, healthy and green rural, coastal and urban communities	13	127	7,0%
7 Innovative governance, environmental observations and digital solutions in support of the Green Deal	42	356,5	19,6%
Other actions	11	35,5	1,9%

WP Cluster 5 - Overview

RIA: Research and Innovation Action
 CSA: Control and Support Actions
 IA: Innovation Actions
 (CA: Co-funded Actions)



Partnerships in HEU



European Partnerships: what is new?

- Only support partnerships if there is evidence that they are **more effectively** achieving policy objectives than Horizon Europe alone
- **Fewer** partnerships with **higher** impacts
- Common and coherent **framework** of criteria along the life cycle of partnerships, across all pillars, even across programmes and other regulations
- Increase **openness** and encourage a **broader set of actors** to participate
- Improve **coherence** between partnerships and Horizon Europe, also the missions
- **Time limited** with conditions for phasing-out the Programme funding (impact by 2030)

Cluster 6 Co-funded partnerships in WP - figures to be revised according to MS commitments

Co-funded partnership	Work Programme where the topic is introduced	Proposed EU budget for 7-years
Rescuing biodiversity to safeguard life on Earth	2021-2022	140 mln EUR
A climate neutral, sustainable and productive Blue Economy	2021-2022	200 mln EUR
Water4All	2021-2022	126 mln EUR
Accelerating farming systems transition: agroecology living labs and research infrastructures	2023-2024	150 mln EUR
Animal health: fighting infectious diseases	2023-2024	180 mln EUR
Environmental observations for a sustainable EU agriculture	2023-2024	75 mln EUR
Safe and sustainable food systems for people, planet and climate	2023-2024	175 mln EUR



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 Undertaking): EUR 1 billion

Cluster 5 – Links to missions/partnerships



Co-programmed partnership: 'Zero Emission Waterborne Transport'

- Contribution from the EU-Commission 2021-2027: 530 mio. euro
- Contribution from the EU-Commission in 2021-2022 work programme: 162,5 mio. euro = 12 topics in cluster 5 work programme

Missions in HEU

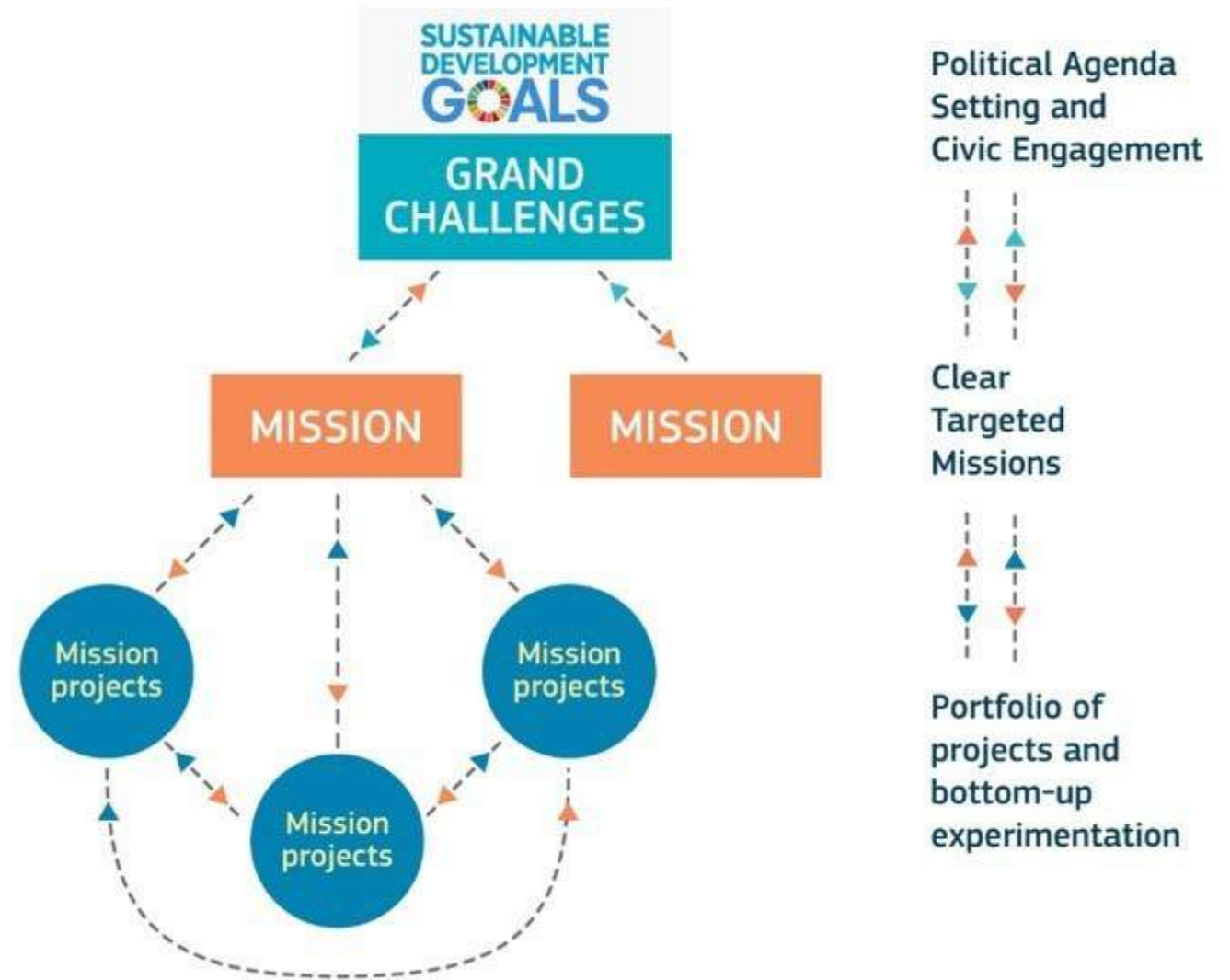
- **Cancer,**
- **Adaptation to Climate Change,**
- **Healthy Oceans, Seas, Coastal and Inland Waters”,**
- **Climate Neutral and Smart Cities,**
- **Soil Health and Food.**

12 month preparation phase,.Missions will have their own work-programme.

https://ec.europa.eu/info/horizon-europe/missions-horizon-europe_en



“European research and innovation missions sits between broad challenges and concrete projects. Missions set clear and ambitious objectives that can only be achieved by a portfolio of research and innovation projects and supportive measures.” (Mazzucato 2018)

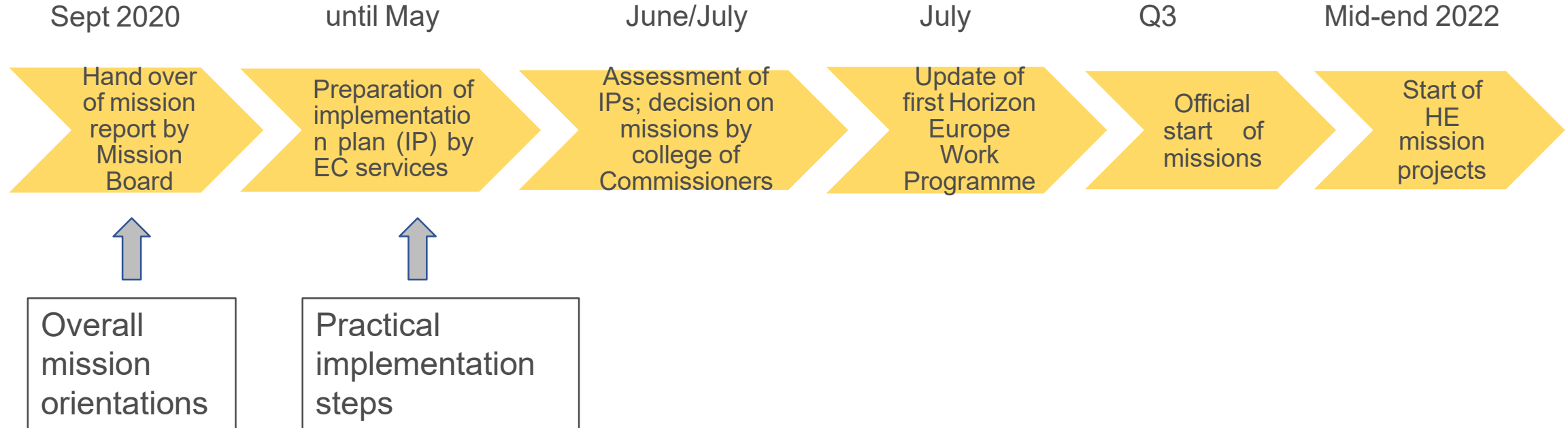


Mission Healthy Oceans, Seas, Coastal and Inland Waters: Strategic objective

Make the EU fit by 2030 for systemic ocean and water restoration



From mission recommendation to implementation plan and the mission



Mission implementation phases

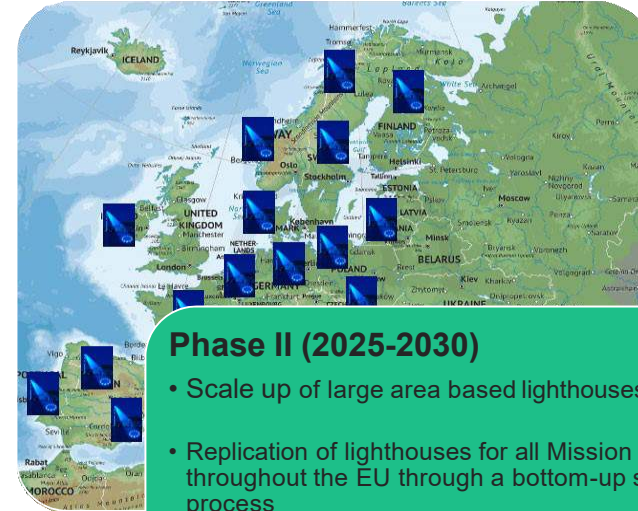


Phase I (2022-2024)

- Large scale area based lighthouses covering all Mission objectives
- Boosting protection of blue ecosystems

• ENABLERS:

- Actions to increase knowledge and understanding of ecosystems, innovation, digitalisation and governance
- Launch of programme to boost blue education and skills
- Launch of citizen and stakeholder engagement activities throughout the EU



Phase II (2025-2030)

- Scale up of large area based lighthouses
- Replication of lighthouses for all Mission objectives throughout the EU through a bottom-up selection process
- Implementation and scale up of the Blue programmes
- Actions to further boost knowledge, innovation, digitalisation, training and education, and governance
- Citizen and stakeholder engagement activities throughout the EU

Citizen and stakeholder engagement



Blue volunteer corps to help ecosystem restoration and protection

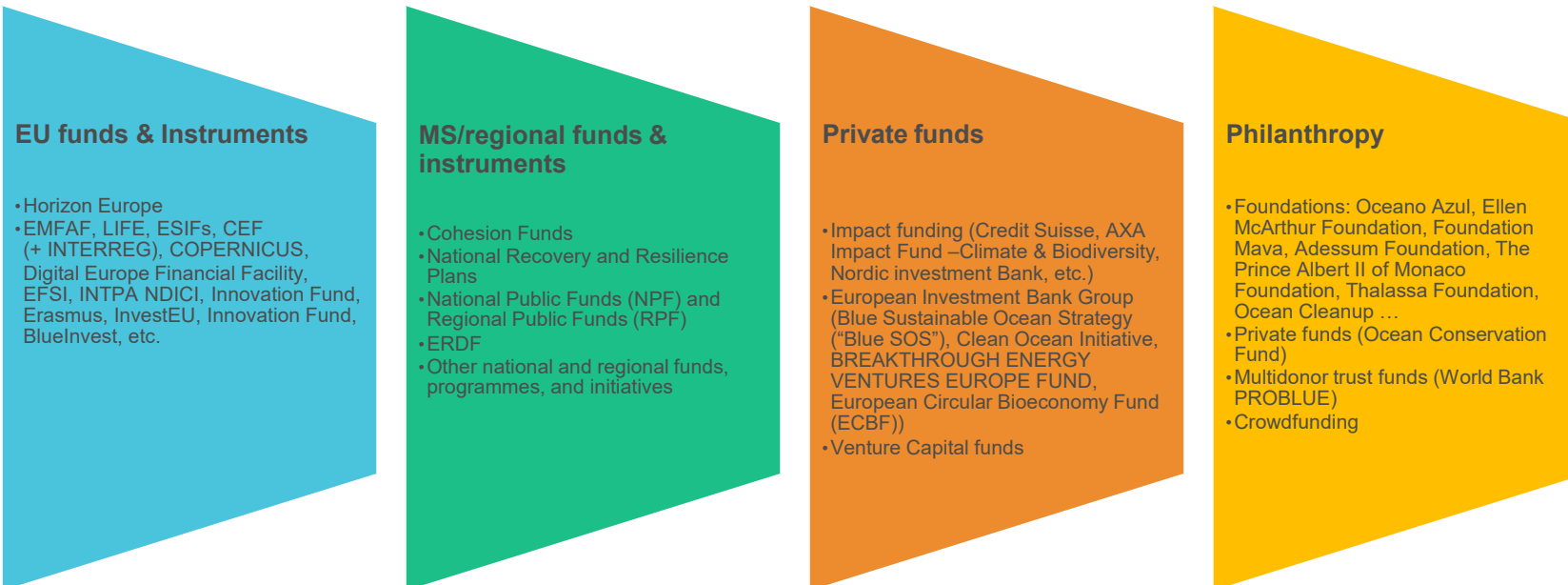


Citizen science campaigns to boost knowledge and awareness



Opportunities for involvement in the Mission lighthouses and in the Blue Parks programme

Possible funding sources for the Mission



In addition, in cooperation with the EIB Advisory, new sources of sustainable financing for conservation, non-financial/innovative instruments will be investigated such as fiscal incentives, green and blue bonds, pension funds, environment finance corporations, blue carbon resilience credits, insurance, etc.

