While benefiting from world-class research and strong industries… Our knowledge and skills are our main resources
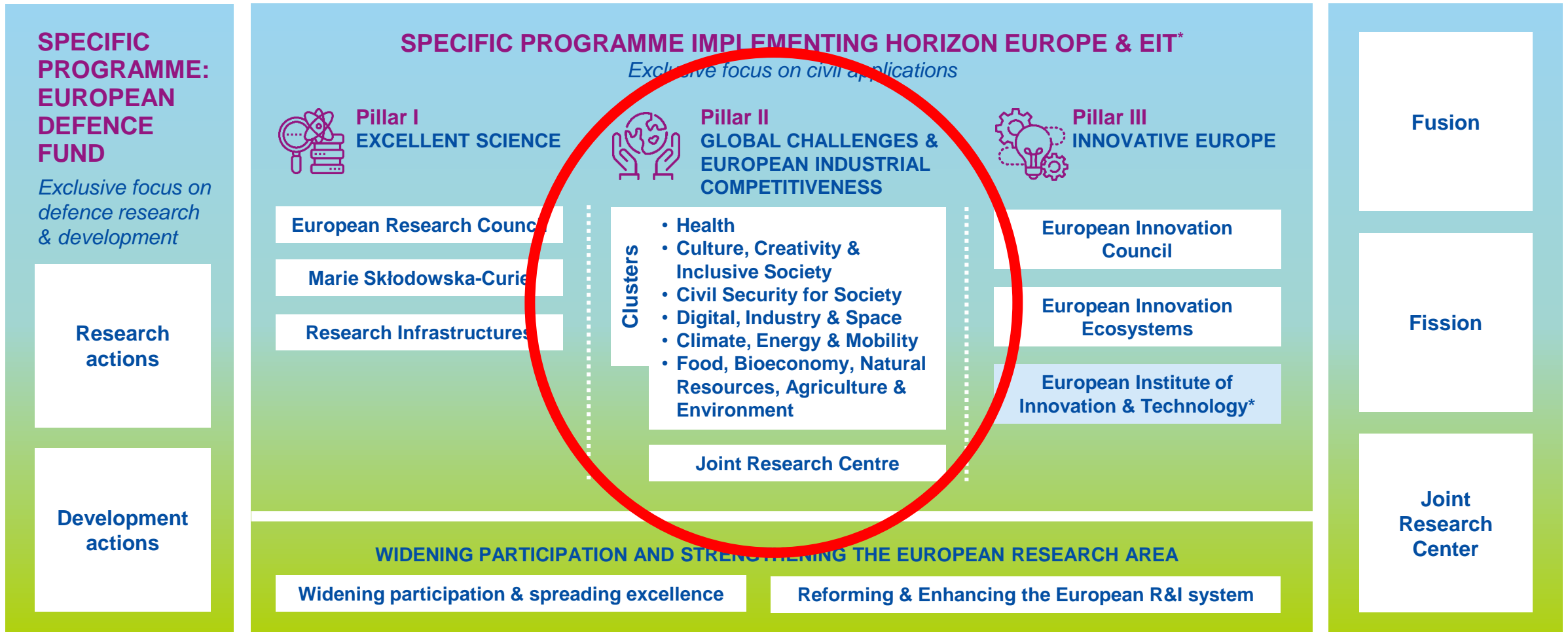
6% of the world's **population**

17% of global **R&D**

25% of all high-quality **scientific publications**
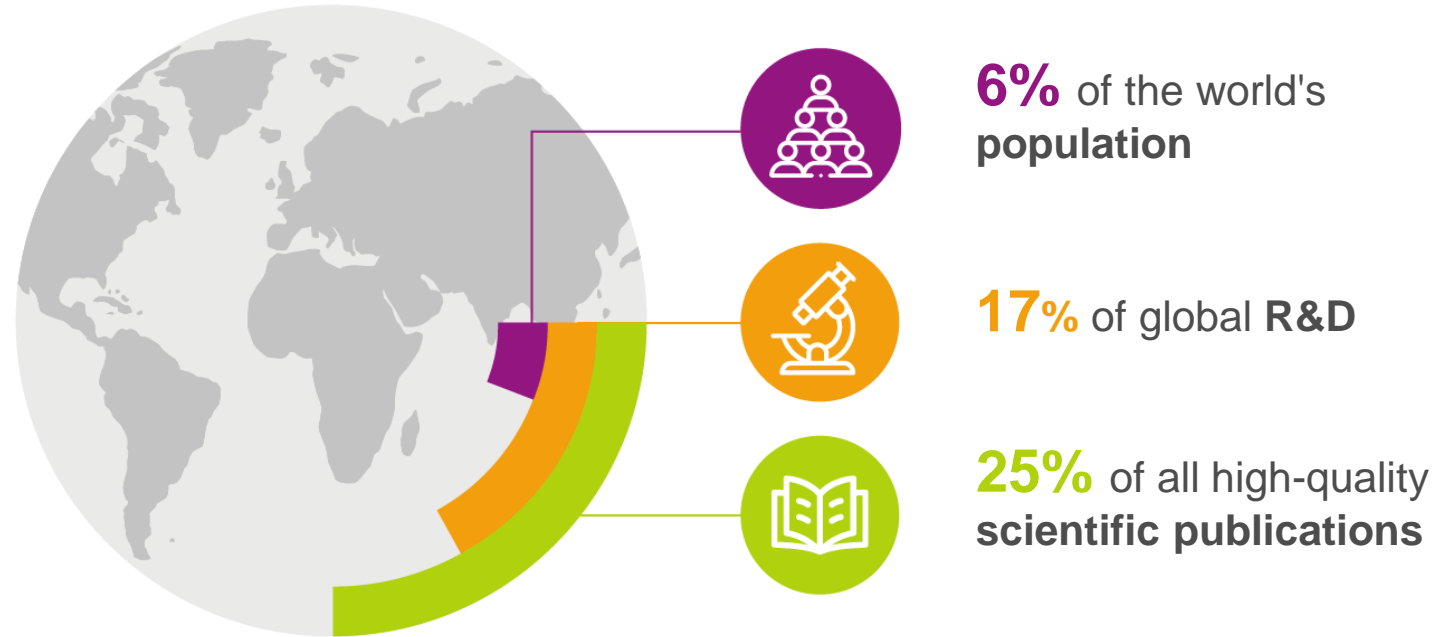
…Europe can do better at transforming this into **leadership in innovation** and **entrepreneurship**

European Commission

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
EXCELLENT SCIENCE

European Research Council

Marie Skłodowska-Curie

Research Infrastructures

Pillar II
GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

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

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
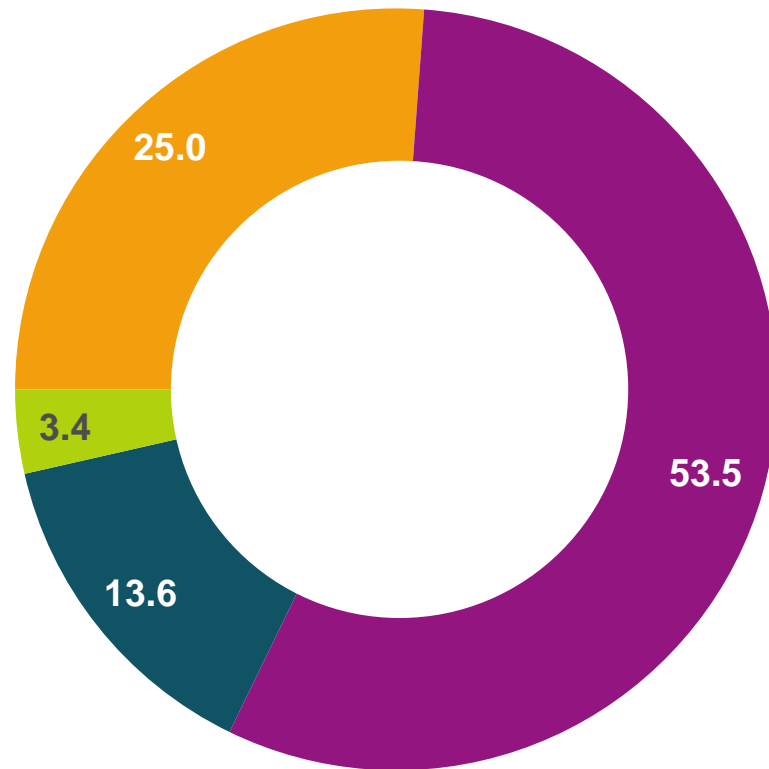
Fusion

Fission

Joint Research Center

* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme

European Commission

Horizon Europe Budget: €95.5 billion (2021-2027)

Political agreement December 2020
€ billion in current prices

- Excellent Science
- Global challenges and European ind. comp.
- Innovative Europe
- Widening Part and ERA
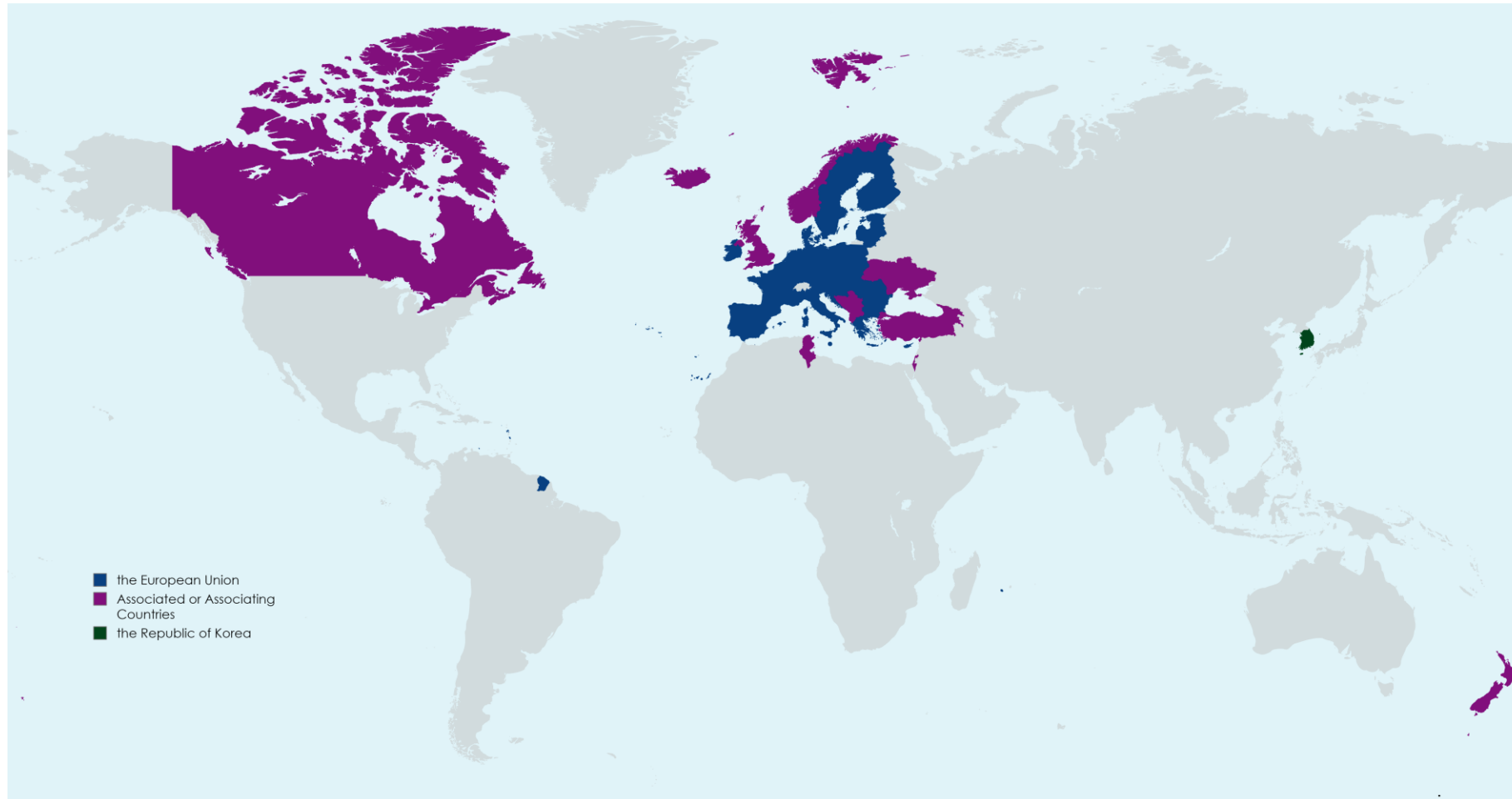
International cooperation

Why?

- Tackling together global societal challenges;

- Bring together the world's best talents, expertise and resources;

- Enhance supply and demand of innovative solutions

How?

- Association to Horizon Europe

- Third countries with good capacity in science, technology and innovation

European Commission

Association to Horizon Europe

Soon-to-be 20 Associated Countries

Covering 5 continents

Ongoing negotiations with Switzerland

Exploratory talks with Japan

the European Union
Associated or Associating Countries
the Republic of Korea

European Commission

Korea's Association

- Announced Conclusion of Negotiations on 25 March 2024 following the launch of negotiations 22 May 2023

- Korean participation planned for Work Programme 2025, following signature later in 2024

European Commission

What changes?

Receive funding directly from the programme

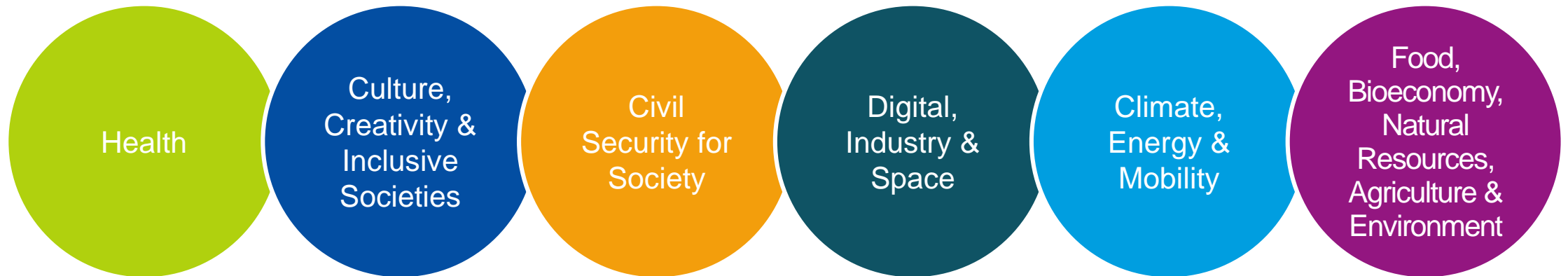Consortium Coordinator

Access to (almost) all calls under Pillar II

Observer status in the Programme Committees as part of Horizon Europe Governance

European Commission

Pillar II - Clusters

GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS:

boosting **key technologies** and solutions underpinning **EU policies & Sustainable Development Goals** (6 clusters and JRC – non-nuclear direct actions)

Health

Culture, Creativity & Inclusive Societies

Civil Security for Society

Digital, Industry & Space

Climate, Energy & Mobility

Food, Bioeconomy, Natural Resources, Agriculture & Environment

€53.5 billion

Budget for clusters & for JRC

in current prices

Cluster 1	**Health**	**€8.246 billion** (including €1.35 billion from NGEU)
Cluster 2	**Culture, Creativity & Inclusive Societies**	**€2.280 billion**
Cluster 3	**Civil Security for Society**	**€1.596 billion**
Cluster 4	**Digital, Industry & Space**	**€15.349 billion** (including €1.35 billion from NGEU)
Cluster 5	**Climate, Energy & Mobility**	**€15.123 billion** (including €1.35 billion from NGEU)
Cluster 6	**Food, Bioeconomy, Natural Resources, Agriculture & Environment**	**€8.952 billion**
	JRC (non-nuclear direct actions)	**€1.970 billion**

Clusters are including a budget for Partnerships and Missions
NGEU is Next Generation EU programme – Recovery Fund

European Commission

Overview of 49 European Partnerships

HORIZON EUROPE PILLAR II - Global challenges & European industrial competitiveness

CLUSTER 1: Health

- Innovative Health Initiative
- Global Health Partnership
- Transformation of health systems
- Chemicals risk assessment
- ERA for Health
- Rare diseases*
- One-Health Anti Microbial Resistance*
- Personalised Medicine*
- Pandemic Preparedness* *Co-funded or co-programmed*

CLUSTER 4: Digital, Industry & Space

- Key Digital Technologies
- Smart Networks & Services
- High Performance Computing
- European Metrology (Art. 185)
- AI-Data-Robotics
- Photonics
- Made in Europe
- Clean steel – low-carbon steelmaking
- Processes4Planet
- Global competitive space systems**

CLUSTER 5: Climate, Energy & Mobility

- Clean Hydrogen
- Clean Aviation
- Single European Sky ATM Research 3
- Europe's Rail
- Connected and Automated Mobility (CCAM)
- Batteries
- Zero-emission waterborne transport
- Zero-emission road transport
- Built4People
- Clean Energy Transition
- Driving Urban Transitions

CLUSTER 6: Food, Bioeconomy, Agriculture, …

- Circular Bio-based Europe
- Rescuing Biodiversity to Safeguard Life on Earth
- Climate Neutral, Sustainable & Productive Blue Economy
- Water4All
- Animal Health & Welfare*
- Accelerating Farming Systems Transitions*
- Agriculture of Data*
- Safe & Sustainable Food System*

PILLAR III - Innovative Europe

EIT (KNOWLEDGE & INNOVATION COMMUNITIES)

- InnoEnergy
- Climate
- Digital
- Food
- Health
- Raw Materials
- Manufacturing
- Urban Mobility
- Cultural and Creative Industries

SUPPORT TO INNOVATION ECOSYSTEMS

- Innovative SMEs

CROSS-PILLARS II & III

- European Open Science Cloud

Legend:
- Institutionalised Partnerships (Art 185/7)
- Institutionalised Partnerships / EIT KICs
- Co-Programmed
- Co-Funded

European Commission

10 new European Partnerships

- **Brain Health;**

- **Forests and Forestry for a Sustainable Future;**

- **Innovative Materials for EU (I'M for EU);**

- **In-Orbit Demonstration and Validation;**

- **Raw Materials for the Green and Digital Transition;**

- **Resilient Cultural Heritage;**

- **Social Transformations and Resilience;**

- **Solar Photovoltaics;**

- **Textiles of the Future;**

- **Virtual Worlds.**

European Commission

The EU Missions

Adaptation to climate change, including societal transformation

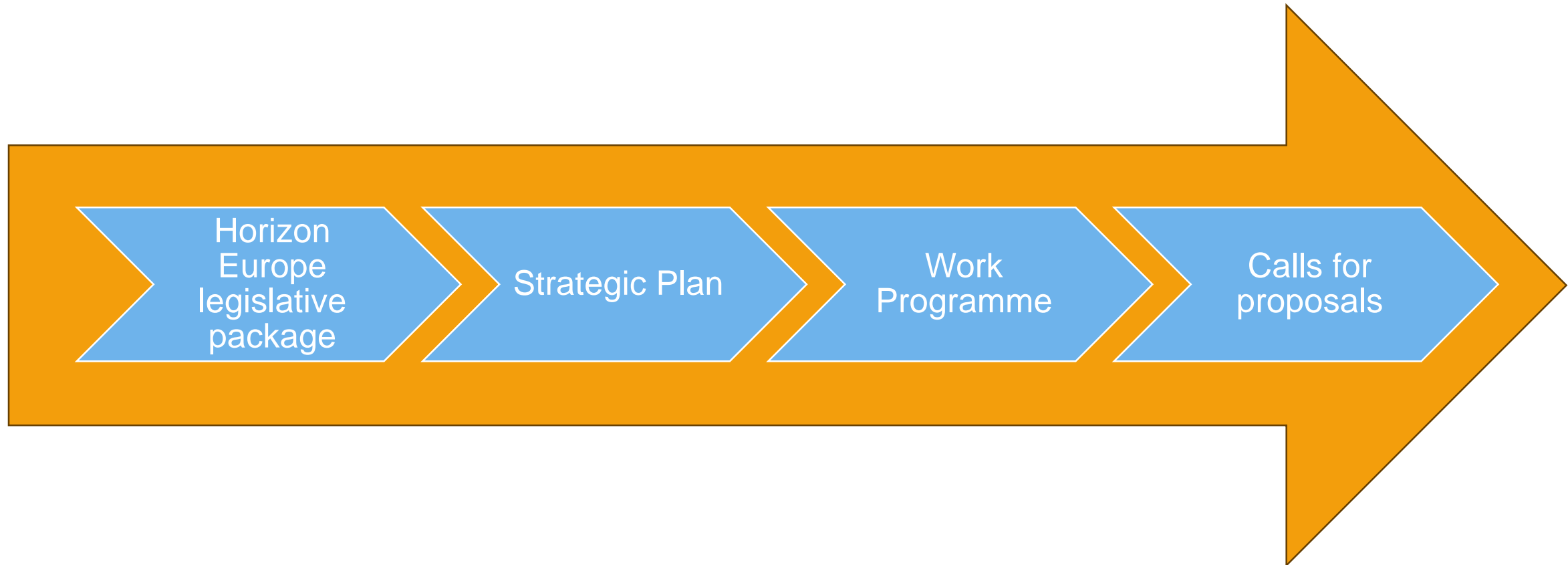**Cancer**

Healthy oceans, seas, coastal & inland waters

Climate-neutral & smart cities

Soil health & food

European Commission

Horizon Europe implementation

Horizon Europe legislative package → Strategic Plan → Work Programme → Calls for proposals

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Strategic Plan

- The implementation of the specific programme are supported by a transparent and strategic planning of research and innovation activities, in particular Pillar II

- In consultation with Member States and stakeholders

- The Strategic Planning shall ensure alignment with other relevant Union programmes and consistency with EU priorities and commitments

- The result of the Strategic Planning are set out in a multiannual Strategic Plan, for preparing the content in the work programmes covering a maximum period of four years. The new Strategic Plan will cover 2025-2027

About the Horizon Europe Work Programmes

Horizon Europe is implemented primarily through Work Programmes, which set out funding opportunities for research and innovation activities.
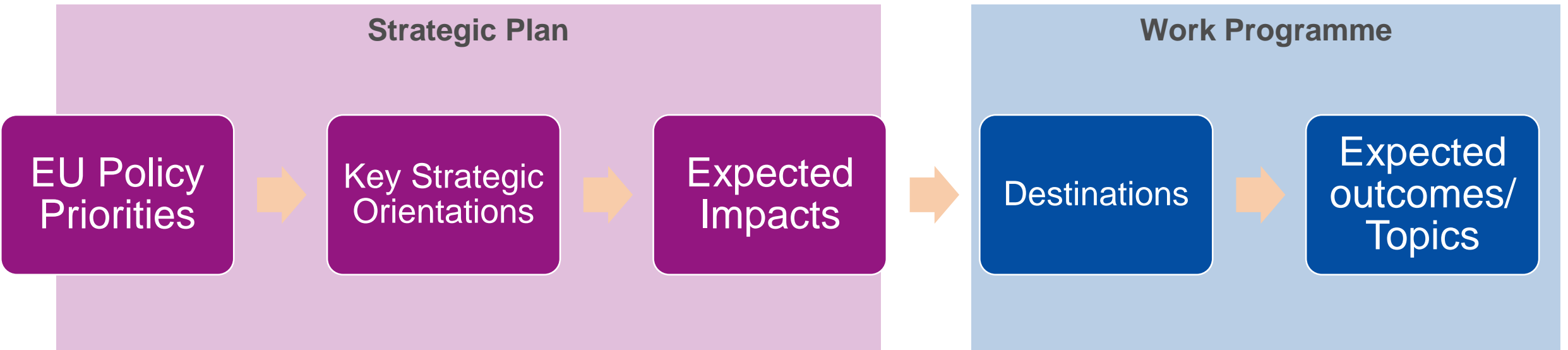
Pillar II is found under the 'main' Work Programme

The 'main' Work Programme is typically made up of 13 parts:

- the introduction;

- 11 parts covering the components (hereunder Pillar II and the Missions)

- General Annexes, which set out rules which apply across the Work Programme such as the standard admissibility conditions and eligibility criteria, selection and award criteria, etc.

The Strategic Plan and the Work Programme

Strategic Plan

Work Programme

EU Policy Priorities → Key Strategic Orientations → Expected Impacts → Destinations → Expected outcomes/ Topics

European Commission

General Annexes

Eligibility:

- Eligibility to participate

- Eligibility to receive funding

- Consortium composition

- Eligible activities

Consortium roles

- Beneficiary – for main participants

- Coordinator

- Affiliated entities

- Associated partners

Some types of actions

- Research and Innovation Actions (RIA)

- Innovation actions (IA)

- Coordination and support actions CSA)

European Commission

General Annexes

Financial capacity:
- Applicants must have stable and sufficient resources to successfully implement the projects and contribute their share.

- Financial capacity check will be done during the grant preparation stage

Operational capacity:
- Applicants must have the know-how, qualitificaitons and resources to successfully implement their tasks in the project and contribute their share

- The assessment is carried out during the evaluation.

- Based on competence and experience of the applicants and the project teams, including operational resources

European Commission

Award Criteria

Excellence	Impact	Quality and efficiency of the implementation
- Clarity and pertinence of the project's objectives, and the extent to which the proposed work is ambitious and goes beyond the state of the art. - Soundness of the proposed methodology	- Credibility of the pathways to achieve the expected outcomes and impacts specified in the work programme, and the likely scale and significance of the contributions from the project. - Suitability and quality of the measures to maximise expected outcomes and impact	- Quality and effectiveness of the work plan, assessment of risks, and appropriateness of the effort assigned to work packages, and the resources overall. - Capacity and role of each participant, and the extent to which the consortium as a whole brings together the necessary expertise

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Discover the funding & tenders opportunities

Find out how to participate by following these key steps.

Find calls for proposals

Explore the available EU funding opportunities by searching for calls for proposals within your topics of interest, find partners and submit a proposal.

Find calls for tenders

Find business opportunities in the calls for tenders managed by EU institutions, bodies and agencies.

European Commission

Grant Agreement Preparation

- Starting date & project duration

- Milestones and deliverables

- Form of grant, funding rate and maximum grant amount

- Budget categories and cost eligibility rules

- Reporting and payment arrangements

- Details on non-compliance and breach of contract

European Commission

Thank you

European Commission