



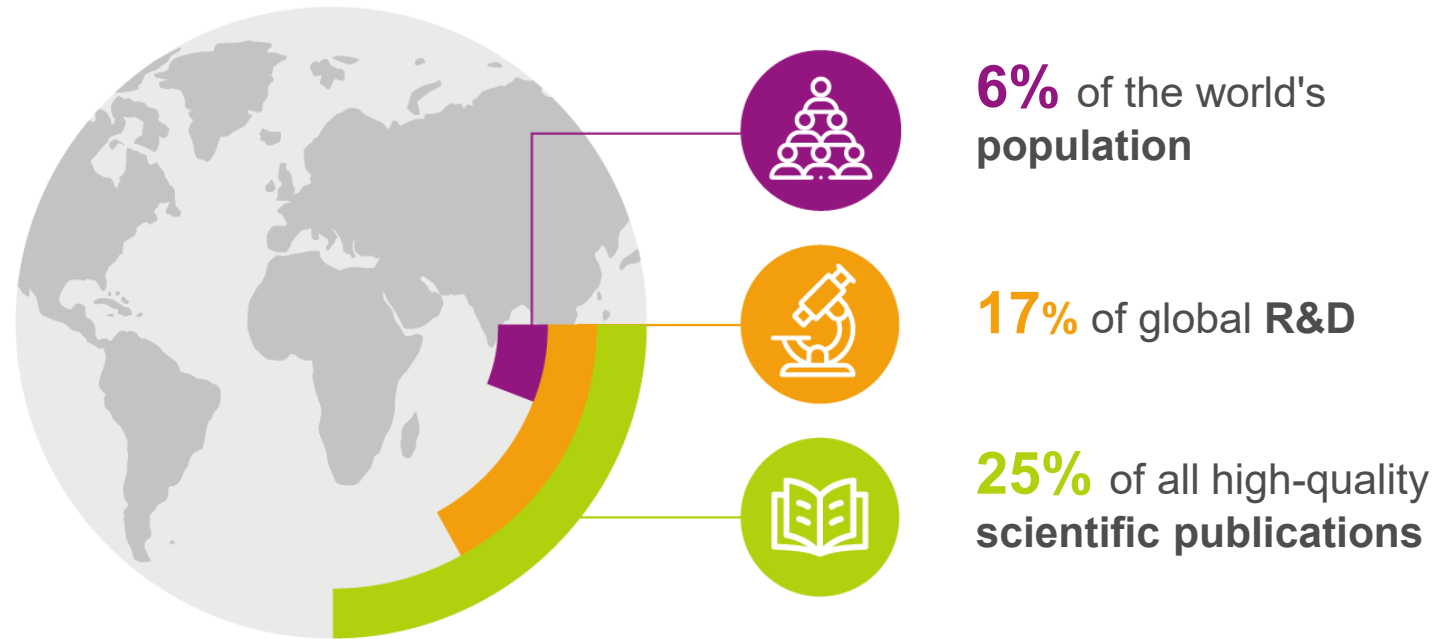
#HorizonEU

# HORIZON EUROPE

THE EU  
**RESEARCH &  
INNOVATION**  
PROGRAMME 2021 – 27

Research and  
Innovation

# While benefiting from world-class research and strong industries... Our knowledge and skills are our main resources



...Europe can do better at transforming this into **leadership in innovation** and **entrepreneurship**

# 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

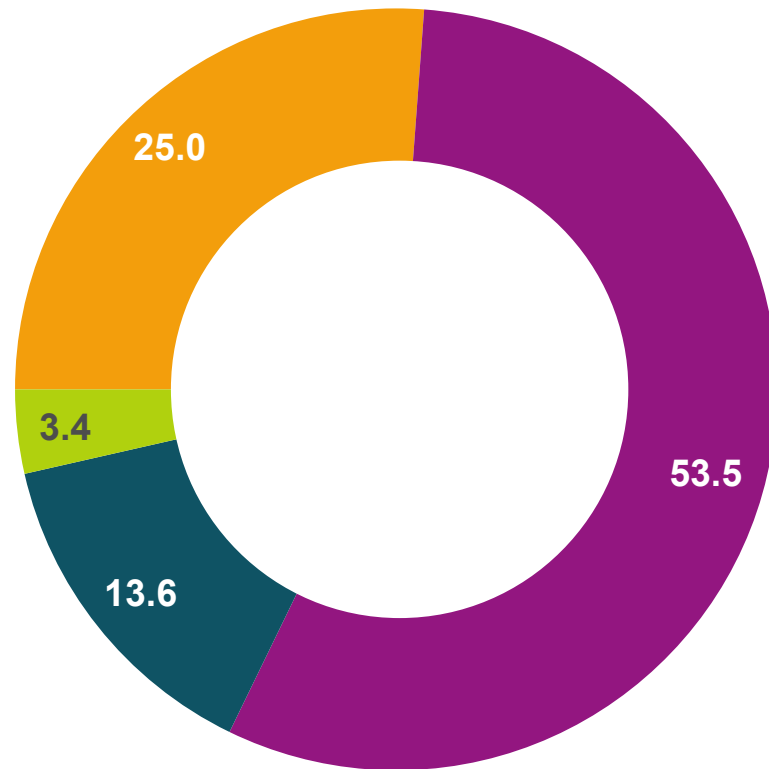
Fusion

Fission

Joint  
Research  
Center

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

# 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

[illegible]

# Japan & Australia Associated to Horizon Europe since 2026



# Korea's Association

- Announced Conclusion of Negotiations on 25 March 2024 following the launch of negotiations 22 May 2023
- Signing the Agreement on 17 July 2025
- Korean entities have officially participated in Work Programme 2025.



# What changes?



Receive funding directly from the programme



Consortium Coordinator



Access to (almost) all calls under Pillar II



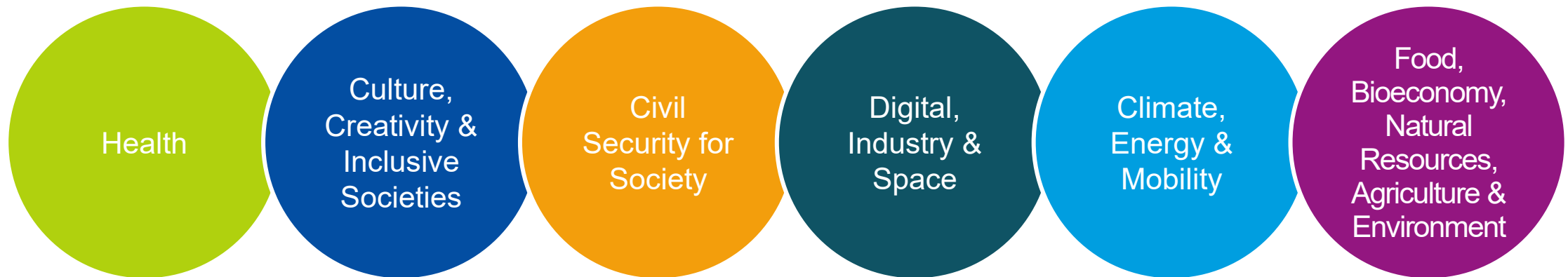
Observer status in the Programme Committees as part of Horizon Europe Governance



## 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)



**€53.5 billion**

## Pillar II

# Budget for clusters & for JRC

*in current prices*

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

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

# Overview of 49 European Partnerships

## HORIZON EUROPE PILLAR II - Global challenges & European industrial competitiveness

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

## PILLAR III - Innovative Europe

| EIT (KNOWLEDGE & INNOVATION COMMUNITIES) | SUPPORT TO INNOVATION ECOSYSTEMS |
|------------------------------------------|----------------------------------|
| InnoEnergy                               | Innovative SMEs                  |
| Climate                                  |                                  |
| Digital                                  |                                  |
| Food                                     |                                  |
| Health                                   |                                  |
| Raw Materials                            |                                  |
| Manufacturing                            |                                  |
| Urban Mobility                           |                                  |
| Cultural and Creative Industries         |                                  |

## CROSS-PILLARS II & III

|                             |
|-----------------------------|
| European Open Science Cloud |
|-----------------------------|

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

# 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.**

# The EU Missions



**Adaptation to  
climate change,  
including societal  
transformation**



**Cancer**



**Healthy oceans,  
seas, coastal &  
inland waters**

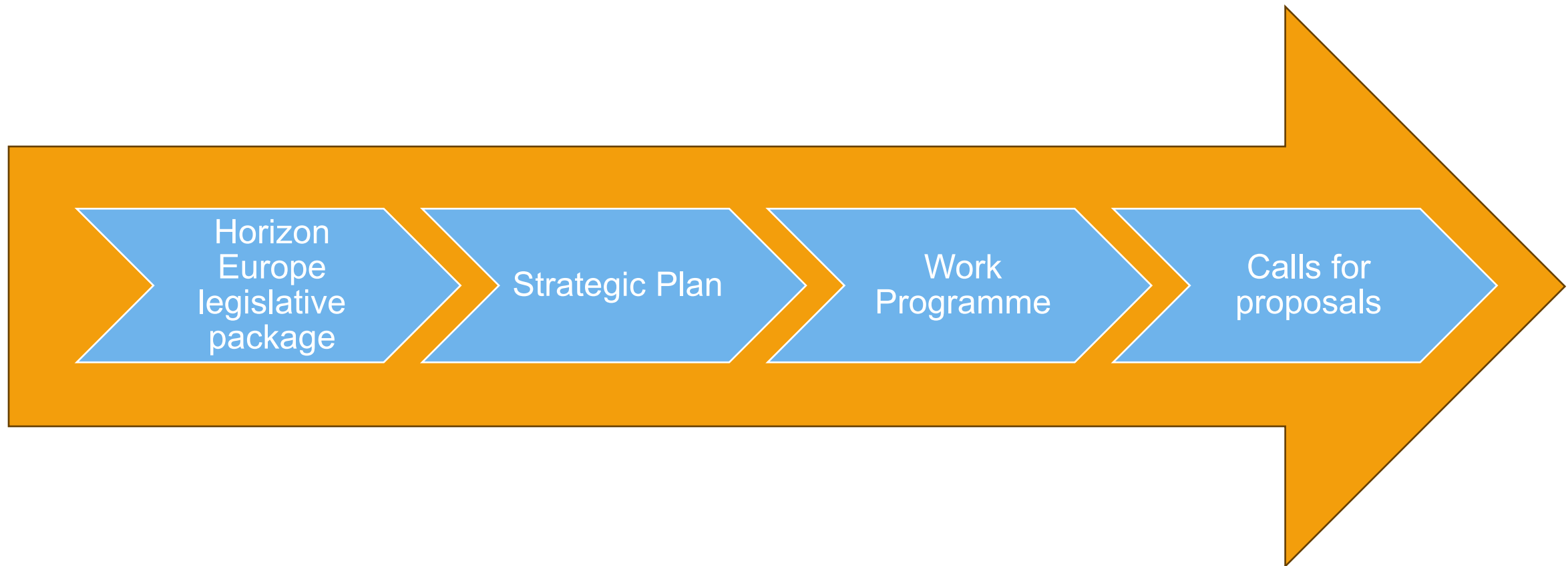


**Climate-neutral  
& smart cities**



**Soil health &  
food**

# Horizon Europe implementation



# 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.

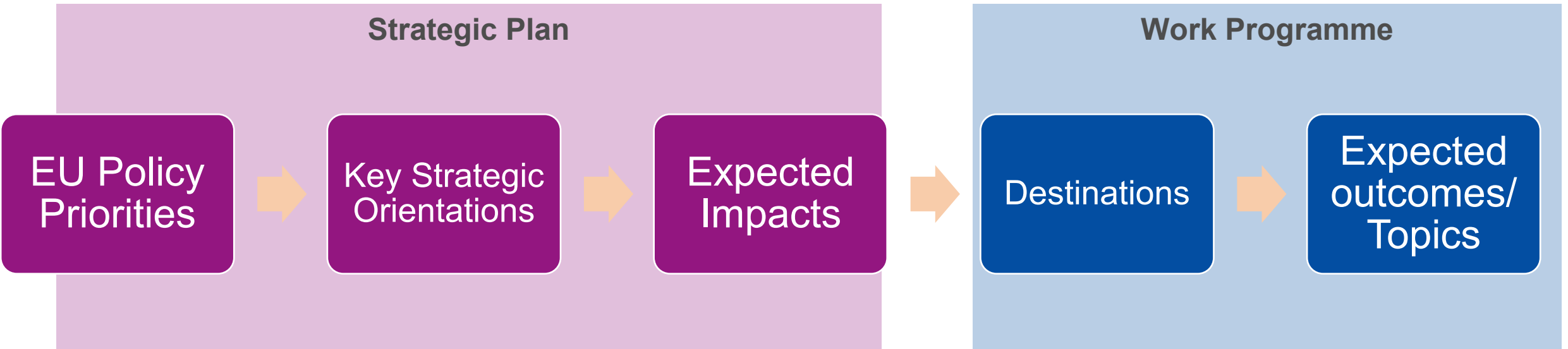
Pillar II is found under the 'main' Work Programme

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



# 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)

# 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, qualifications 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

# Award Criteria

| Excellence                                                                                                                                                                                                                                         | Impact                                                                                                                                                                                                                                                                                                                              | Quality and efficiency of the implementation                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>- 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.</li><li>- Soundness of the proposed methodology</li></ul> | <ul style="list-style-type: none"><li>- 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.</li><li>- Suitability and quality of the measures to maximise expected outcomes and impact</li></ul> | <ul style="list-style-type: none"><li>- Quality and effectiveness of the work plan, assessment of risks, and appropriateness of the effort assigned to work packages, and the resources overall.</li><li>- Capacity and role of each participant, and the extent to which the consortium as a whole brings together the necessary expertise</li></ul> |



European  
Commission

# EU Funding & Tenders Portal

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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.



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# 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

# Thank you



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