

Horizon Europe Missions

#HorizonEU #EUmissions

This presentation is delivered by a member of a Horizon Europe Mission Board, which is an informal group of experts set up by the European Commission to provide advice for the identification and implementation of missions in the future Horizon Europe programme. The contents of the presentation do not represent the official views of the European Commission nor do they constitute a commitment of any kind on its behalf.



Horizon Europe – Investing to shape our future

Lessons Learned

from Horizon 2020 Interim Evaluation



Support breakthrough innovation



Create more impact through mission-orientation and citizens' involvement



Strengthen international cooperation



Reinforce openness



Rationalise the funding landscape



Encourage participation



Key Novelties

in Horizon Europe

European Innovation Council

R&I Missions

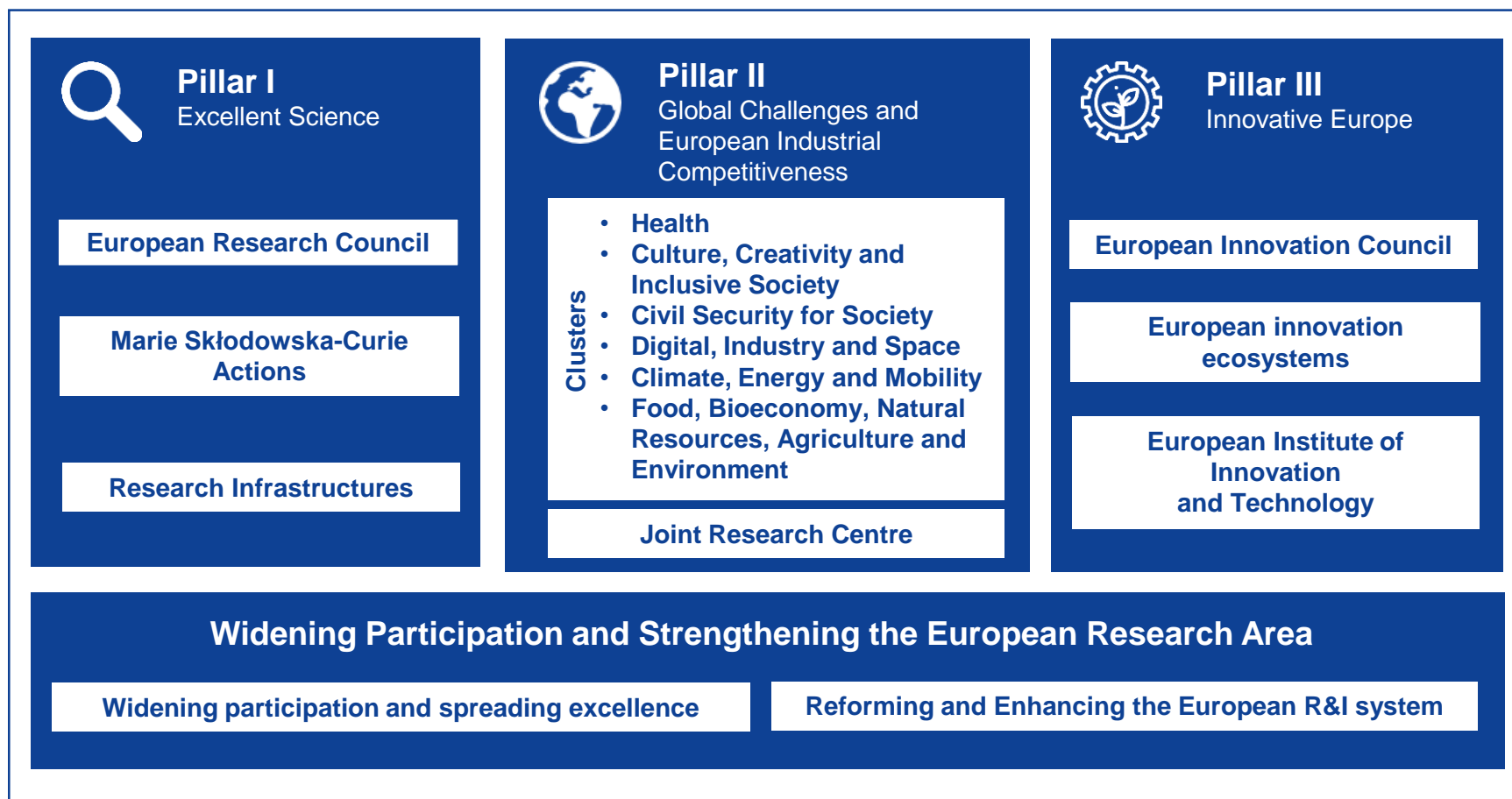
Extended association possibilities

Open science policy

New approach to Partnerships

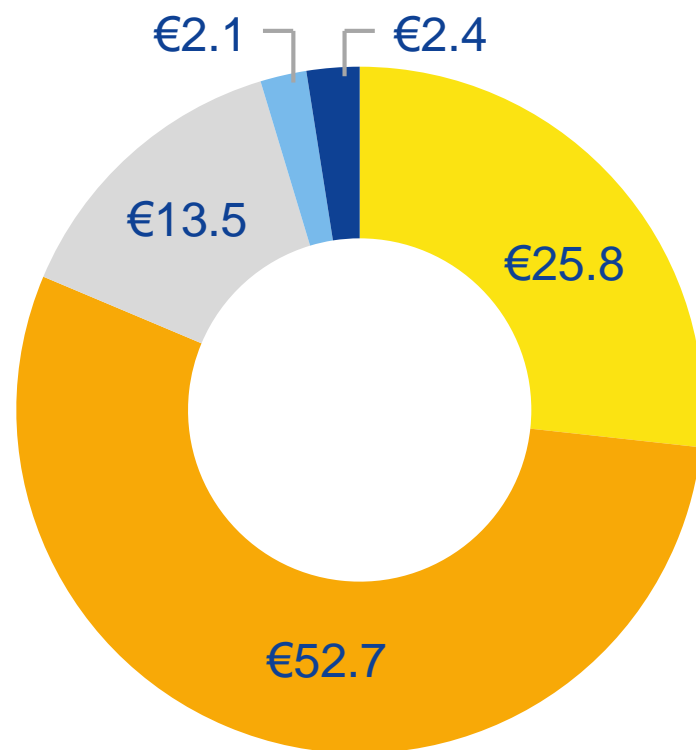
Spreading Excellence

Horizon Europe Structure



Missions shall be programmed within the **Pillar II**, 'Global Challenges and European Industrial Competitiveness', but may also benefit from actions carried out within other parts of the Programme as well as complementary actions carried out under other Union funding programmes.

Commission proposal for budget: €100 billion* (2021-2027)



€ billion
In current prices

- Excellent Science
- Global Challenges & European Ind. Comp.
- Innovative Europe
- Widening Part. & ERA
- Euratom

* This envelope includes EUR 3.5 billion allocated under the InvestEU Fund.

Missions – definition and key reports

Research and innovation missions

- Strong visibility and **impact**
- Achieve a bold, inspirational and measurable **goal** within a set timeframe
- Find **solutions** to some of the major challenges faced by European citizens

Lamy Report (2017)

Build a true EU innovation policy that creates future markets

- Design the EU R&I programme for greater impact
- Adopt a mission-oriented, impact-focused approach to address global challenges
- Privilege impact over process
- Mobilise and involve citizens
- Align EU, national and private R&I investments
- Capture and better communicate impact



<https://europa.eu/!Cr86rf>



1st Mazzucato report (2018)

R&I missions should:

- Be bold and inspirational, with wide societal relevance;
- Indicate a clear direction: targeted, measurable and time-bound;
- Be ambitious but realistic research and innovation actions;
- Spark innovation across disciplines, sectors and actors;
- Be based on a bottom-up approach of multiple solutions



<https://europa.eu/!kw43Uc>



1st Mazzucato report (2018)

Examples of missions:

- 100 carbon neutral cities by 2030
- A plastic-free ocean
- Decreasing the burden of dementia



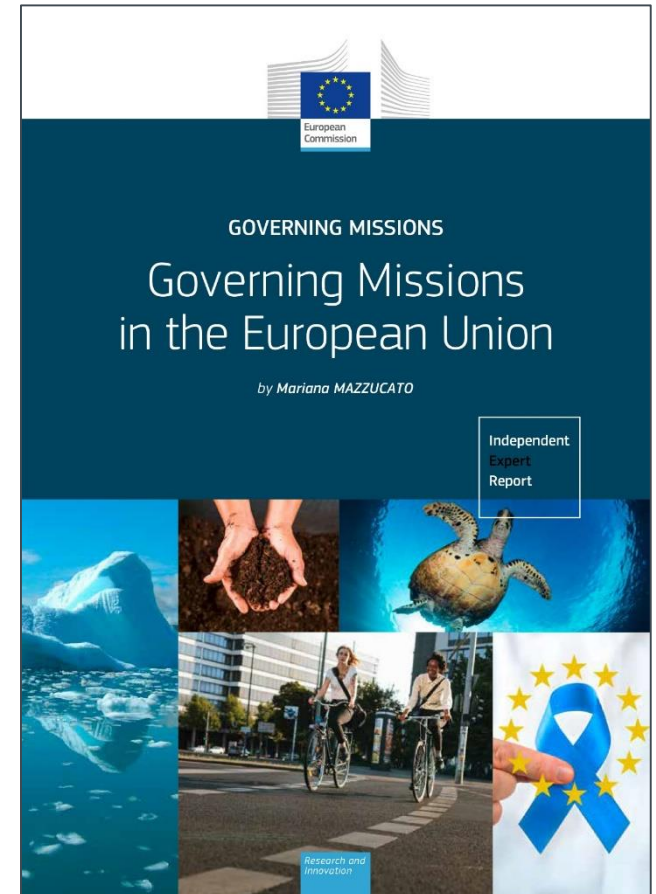
2nd Mazzucato report (2019)

Implementation of missions:

- Engage citizens in co-designing, co-creating, co-implementing and co-assessing missions
- Innovation in public sector capabilities
- Mission-oriented finance and funding to leverage and crowd-in other forms of finance



<https://europa.eu/!nT34Wf>



Horizon Europe legislation on Missions and Mission Boards

Draft Horizon Europe legislation:



<https://europa.eu/!QD66PN>

Article 5 of the Specific Programme Decision:



<https://europa.eu/!qU97hU>

What a EU mission is NOT

Missions are an entirely new approach based on portfolios of actions working towards broadly defined goals, and should not be confused with existing methods and instruments i.e. missions are not the same as

- **R&I** Programmes
- R&I **Partnerships**
- Focus Areas from **Horizon 2020**
- Single projects or topics
- Horizon Europe **Clusters**

Mission Boards and Mission Assemblies

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



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



**5 mission
areas**



Cancer

**Climate-neutral
and smart cities**



**Soil health
and food**

Chairs of the Mission Boards



Connie Hedegaard

Adaptation to Climate
Change including Societal
Transformation



Pascal Lamy

Healthy Oceans,
Seas, Coastal and
inland Waters



Walter Ricciardi

Cancer



**Hanna Gronkiewicz-
Waltz**

Climate-Neutral and
Smart Cities



Cees Veerman

Soil health and Food



European
Commission

Mission Boards

- Top-level independent experts (max 15 per mission area)
- Sectoral, gender and geographical balance
- Mixture of high level profiles from research and academia, industry, innovation and business, policy, public sector, citizens associations, public engagement and science education, international agencies, civil society organisations, foundations, finance and communication

Mission Board role

Mission Boards will **advise** the European Commission on:

- Identification of one or more missions in the respective mission area, with input from stakeholders and citizens
- Content of work programmes, with input from stakeholders and citizens
- Characteristics of project portfolios for missions
- Adjustment actions, or termination if appropriate
- Selection and briefing of independent expert evaluators, specific evaluation criteria and their weighting;
- Framework conditions which help achieve the objectives of the mission
- Communication
- Policy coordination/synergies
- Key performance indicators

Mission Assemblies

- Top-level experts (max 30 per mission area)
- To provide
 - source of additional ideas, knowledge and expertise that will contribute to the success of the missions
 - support to citizen engagement work for the mission, such as liaison with NGOs

Dialogue with Member States and European Parliament

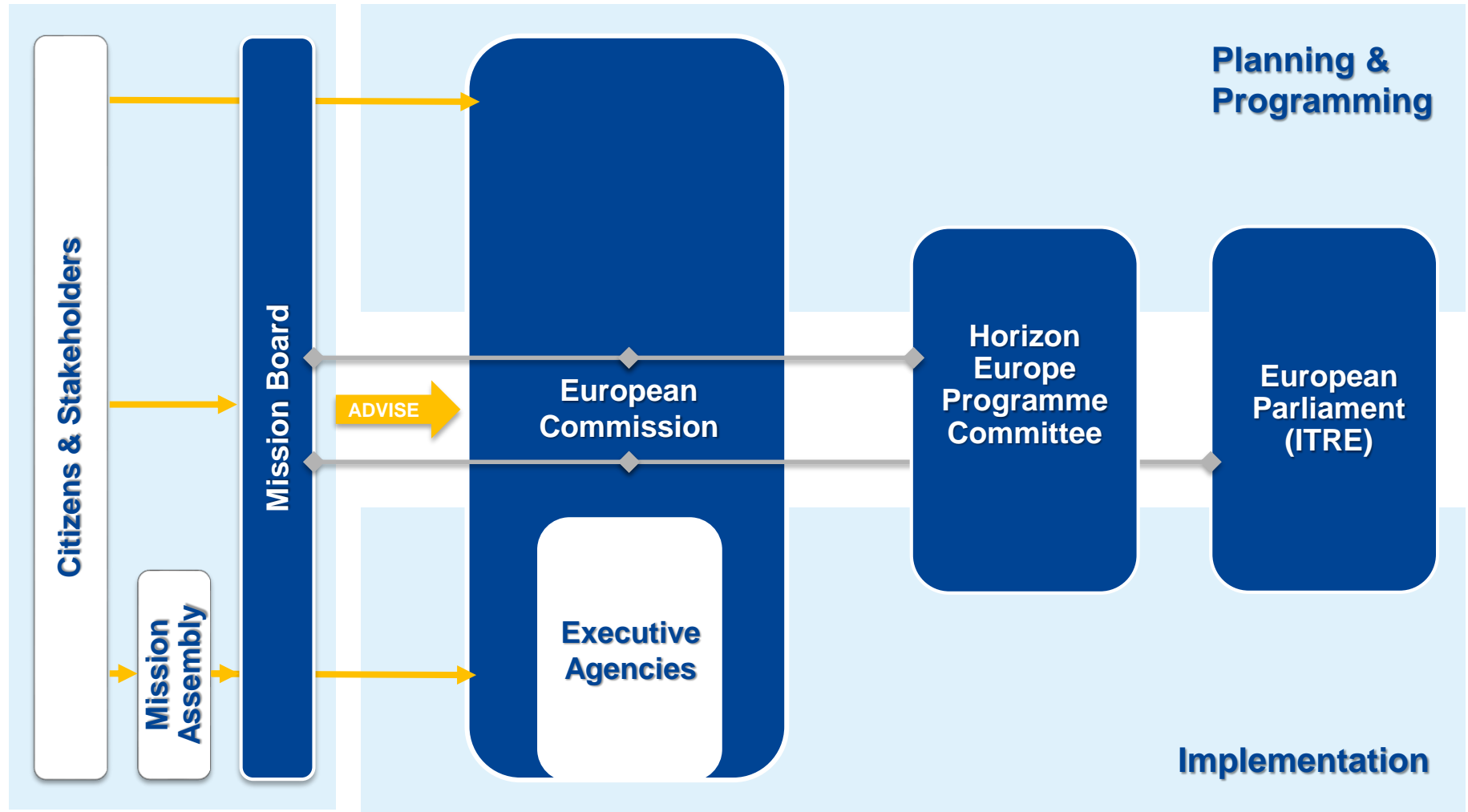
Mission Sub-groups of the Shadow Programme Committee

- Regular meetings with the Commission and members of Mission Boards for open exchange on identification of specific missions in the Horizon Europe Strategic Plan (early 2020)
- Feedback to the Horizon Europe Shadow Programme Committee
- Identify key national events for co-design of missions with citizens
- Identify relevant national programmes to join forces for accomplishing the missions

European Parliament

Extensive dialogue with the European Parliament and in particular the **Industry Technology Research and Energy (ITRE) Committee**

Actors in Mission Co-Design



Timeline

Steps towards Horizon Europe Strategic Plan & Missions in the Work Programme





Thank you!

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