



Space in the next MFF Commission proposals

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A Space Strategy designed to deliver on strategic goals and actions:

- **Maximise the benefits of space for society and the EU economy**
- **Foster a globally competitive and innovative European space sector**
- **Reinforce Europe's autonomy in accessing and using space in a secure and safe environment**
- **Strengthen Europe's role as a global actor and promote international cooperation**

European Space Policy context: programmes

MULTIANNUAL FINANCIAL FRAMEWORK

2014-2020



~1.479 M€



~4.291 M€

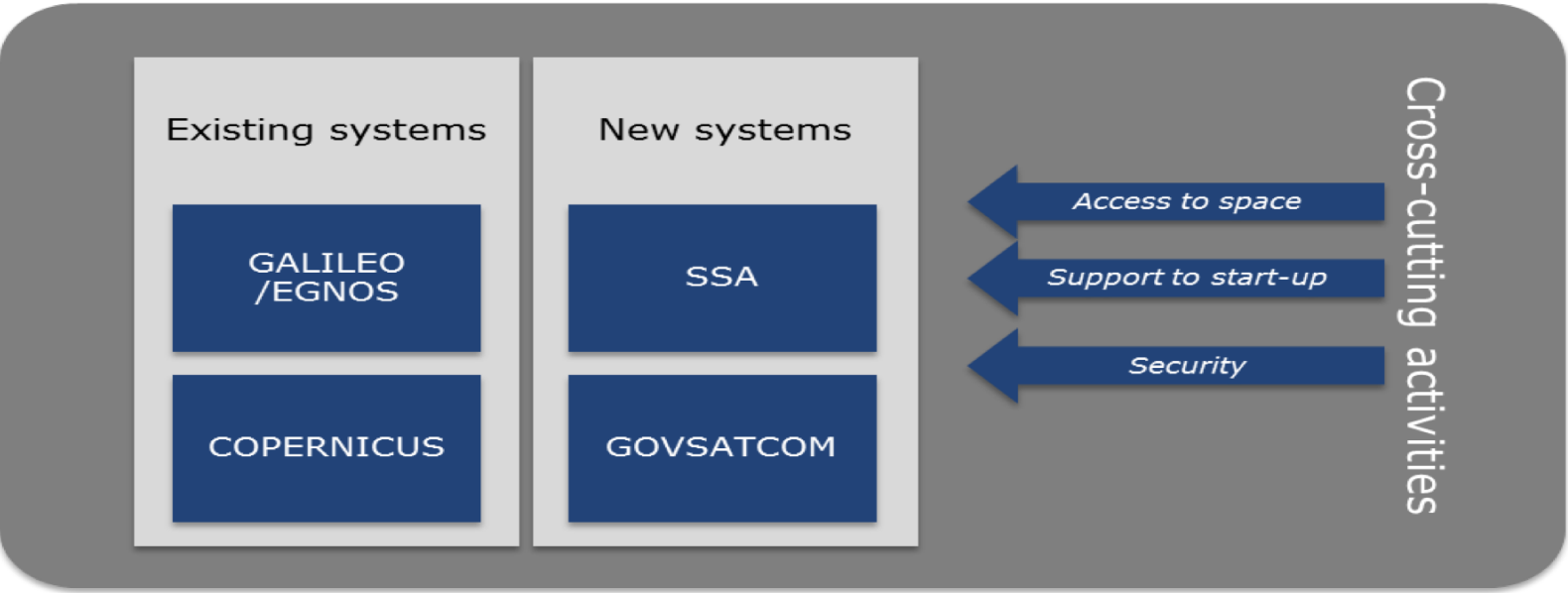


~7.071 M€



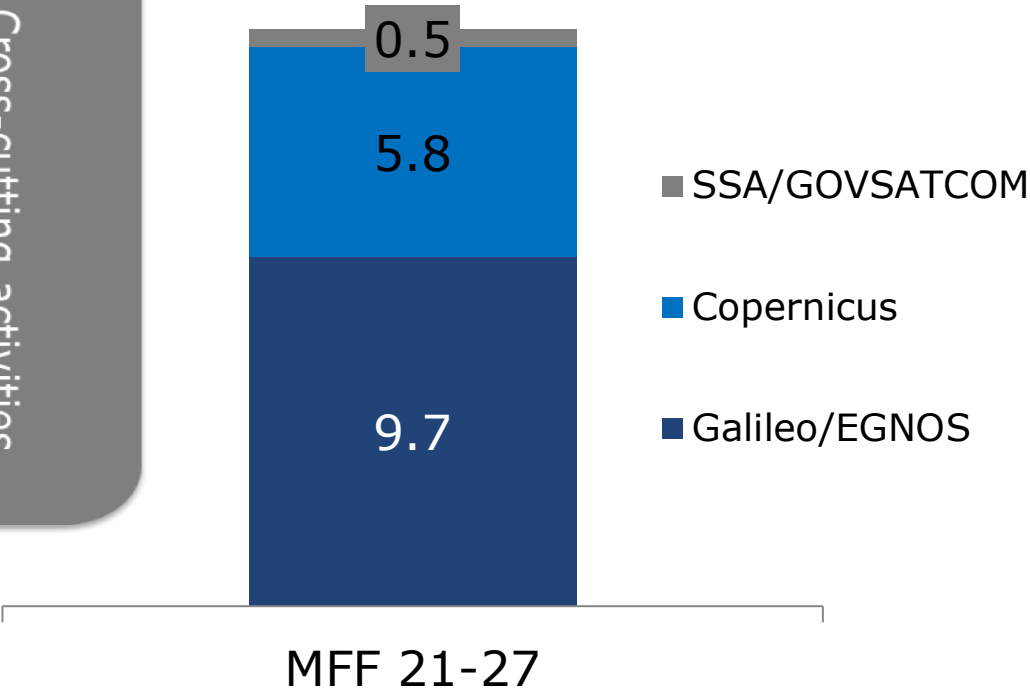


Space Programme



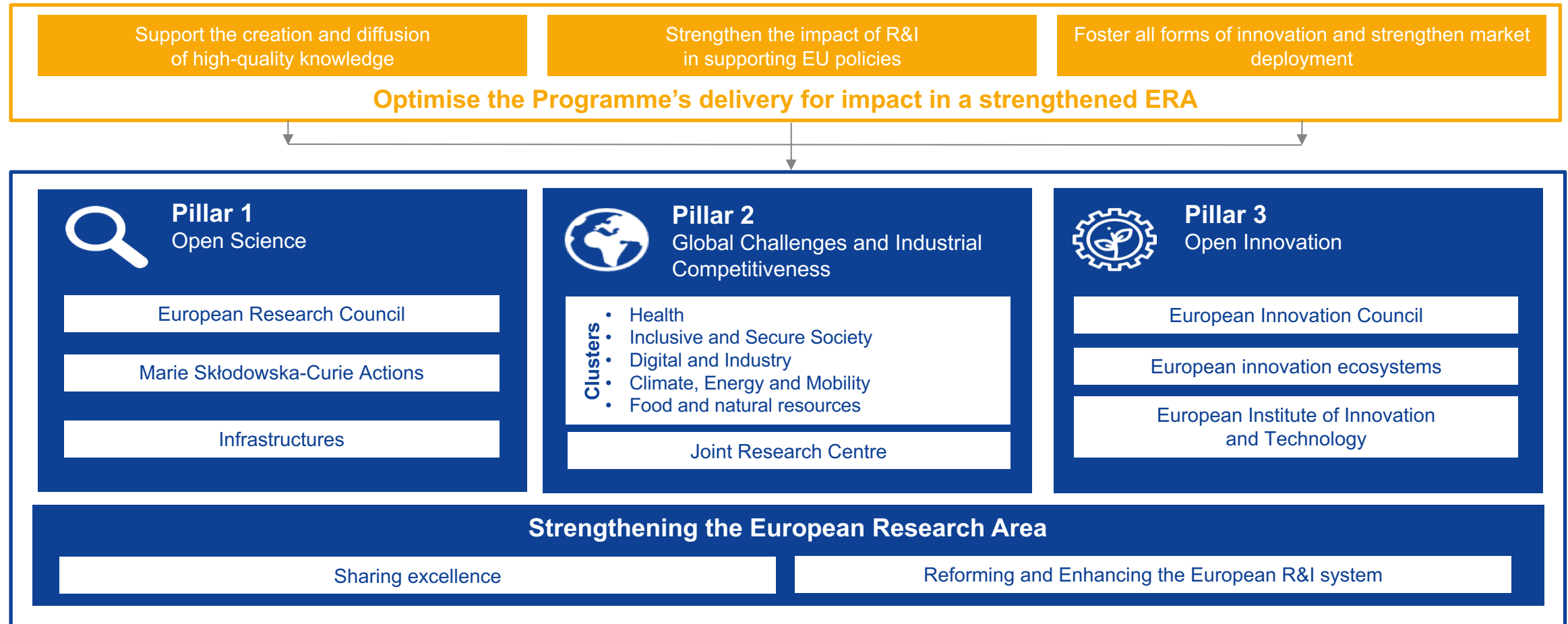
4 components – 3 horizontal activities

Allocation of the €16bn



Space in the next MFF: Horizon Europe

Specific objectives of the Programme



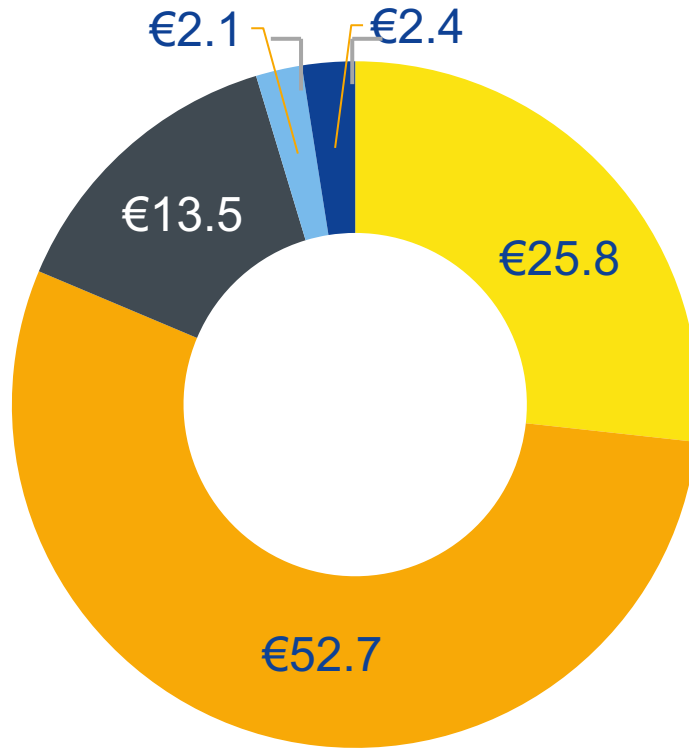
Space in the next MFF: InvestEU fund

Window	Budgetary guarantee	Mobilised investment (estimate)
Sustainable infrastructure	11 500	185 000
Research, Innovation and Digitisation	11 250	200 000
SMEs	11 250	215 000
Social investment and skills	4 000	50 000
TOTAL <i>(EUR Million, in current prices)</i>	38 000	650 000

- The size of the EU guarantee proposed is EUR 38bn. and the provisioning rate 40 %, i.e. EUR 15.2 bn needed for the provisioning (EUR 14.2 bn. budg. Allocation + EUR 1bn. from reflows)
- Budget for InvestEU Advisory Hub, InvestEU Portal and accompanying measures is proposed to be EUR 525m.
- InvestEU is expected to mobilise more than EUR 650 billion of additional investment across Europe

Horizon Europe

Budget: €100 billion*



€ billion
In current prices

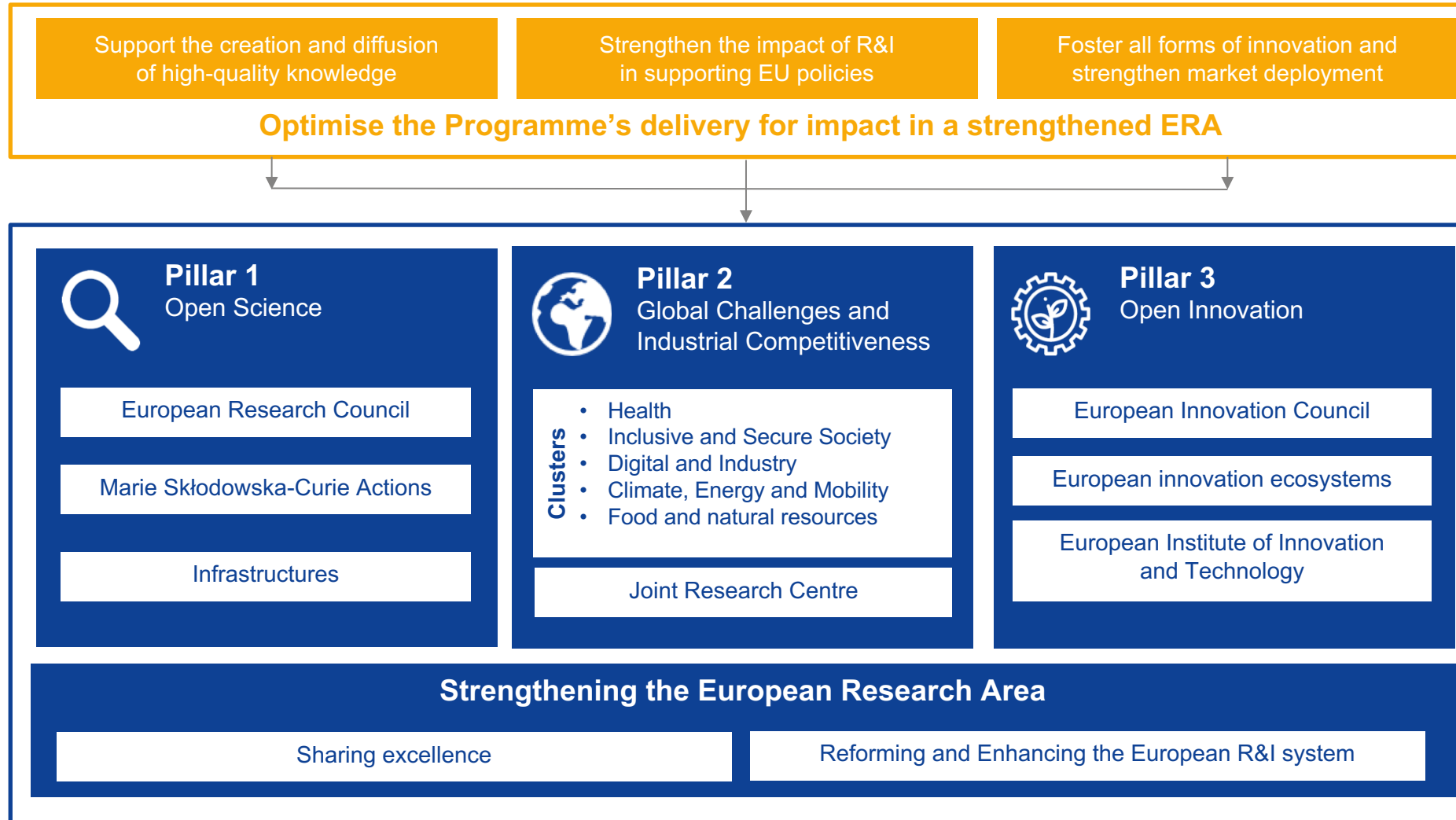
- Open Science
- Global Challenges & Ind. Competitiveness
- Open Innovation
- Strengthening ERA
- Euratom



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

Structure

Specific objectives of the Programme



Pillar 2

Global Challenges and Industrial Competitiveness

Boosting key technologies and solutions underpinning
EU policies & Sustainable Development Goals

Clusters implemented through usual calls, missions & partnerships	Budget (€ billion)
Health	€ 7.7
Inclusive and Secure Societies	€ 2.8
Digital and Industry	€ 15
Climate, Energy and Mobility	€ 15
Food and Natural Resources	€ 10
Joint Research Centre supports European policies with independent scientific evidence & technical support throughout the policy cycle	€ 2.2

Digital and Industry

Clusters	Areas of intervention	
Health	<ul style="list-style-type: none"> * Health throughout the life course * Non-communicable and rare diseases * Tools, technologies and digital solutions for health and care 	<ul style="list-style-type: none"> * Environmental and social health determinants * Infectious diseases * Health care systems
Inclusive and Secure Societies	<ul style="list-style-type: none"> * Democracy * Social and economic transformations * Protection and Security 	<ul style="list-style-type: none"> * Cultural heritage * Disaster-resilient societies * Cybersecurity
Digital and Industry	<ul style="list-style-type: none"> * Manufacturing technologies * Advanced materials * Next generation internet * Circular industries * Space 	<ul style="list-style-type: none"> * Key digital technologies * Artificial intelligence and robotics * Advanced computing and Big Data * Low carbon and clean industry
Climate, Energy and Mobility	<ul style="list-style-type: none"> * Climate science and solutions * Energy systems and grids * Communities and cities * Industrial competitiveness in transport * Smart mobility 	<ul style="list-style-type: none"> * Energy supply * Buildings and industrial facilities in energy transition * Clean transport and mobility * Energy storage
Food and Natural Resources	<ul style="list-style-type: none"> * Environmental observation * Agriculture, forestry and rural areas * Food systems * Circular systems 	<ul style="list-style-type: none"> * Biodiversity and natural capital * Sea and oceans * Bio-based innovation systems

Intervention Area Space

- **Galileo and EGNOS**: innovative applications, global uptake including international partners. Next generation systems
- **Copernicus**: innovative applications, global uptake and international partners. Earth observation data techniques. Next generation systems.
- **Space Situational Awareness**: robust EU capacity to monitor and forecast state of the space environment e.g. space weather, space debris and near Earth objects
- **Secure Satellite Communications** for EU governmental actors: solutions for the widest possible range of governmental users
- End-to-end **Satellite Communications for citizens and businesses**: cost-effective, advanced satellite communications to connect assets and people in underserved areas

Intervention Area Space (cont'd)

- **Non-dependence** and sustainability of the supply chain: increased technology readiness levels in satellites and launchers;
- **Space ecosystem**:
 - in-orbit validation and demonstration services;
 - space demonstrators e.g., hybrid, smart or reconfigurable satellites, in-orbit manufacturing and assembly, launcher reusability, in-orbit servicing and micro-launchers;
 - breakthrough innovations, and technology transfer, in areas such as recycling, green space, artificial intelligence, robotics, digitisation, cost-efficiency, miniaturisation
- **Space science**: exploitation of scientific data delivered by scientific and exploration missions, combined with the development of innovative instruments in an international environment



New approach to European Partnerships

New generation of objective-driven and more ambitious partnerships in support of agreed EU policy objectives

Key features

- Simple architecture and toolbox
- Coherent life-cycle approach
- Strategic orientation

Co-programmed

Based on Memoranda of Understanding / contractual arrangements; implemented independently by the partners and by Horizon Europe

Co-funded

Based on a joint programme agreed by partners; commitment of partners for financial and in-kind contributions & financial contribution by Horizon Europe

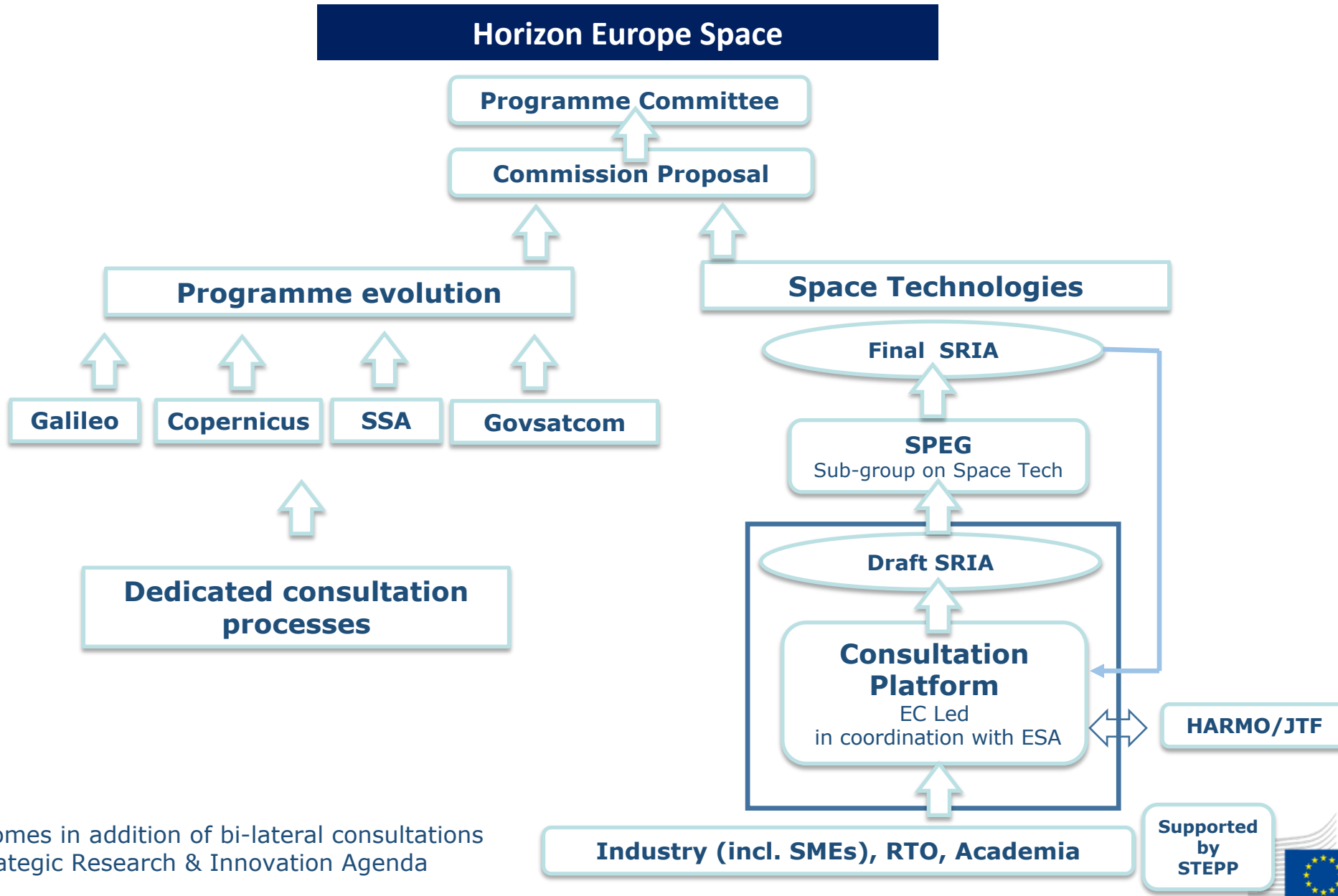
Institutionalised

Based on long-term dimension and need for high integration; partnerships based on Articles 185 / 187 of TFEU and the EIT-Regulation supported by Horizon Europe

Timeline



Schematic of the consultation process



This process comes in addition of bi-lateral consultations
SRIA: Strategic Research & Innovation Agenda

Structure of the Platform

