

(De)briefing to the Belgian space actors

- (1) Status of Regulation “EU Space Programme”**
- (2) Status of Regulation “Horizon Europe”**
- (3) Debriefing of IMM-ESA 2018
- (4) Status of Preparation “Space19+”

BELSPO info session – 9 November 2018




Regulation “EU Space Programme”

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Objectives

- Ensure that the EU remains a global leader in the space domain
- Foster a strong and innovative space industry
- Maintain the EU's autonomous, reliable and cost-effective access to space
- Establish a unified and simplified system of governance

Budget

	 Galileo and EGNOS	 Copernicus	 GOVSATCOM & SSA
Role	global navigation and regional satellite navigation systems	free and open Earth observation data of land, atmosphere, sea, climate change and for emergency management and security	access to secure satellite communications for national authorities and monitoring of space hazards
Budget	€ 9,7 billion	€ 5,8 billion	€ 0,5 billion

Status of negotiation (1)

- 16 meetings under AU Presidency
- Progress has been made on several points
 - EUSPA
 - Clarification on EGNSS budget breakdown
 - Galileo: 8,25 B€
 - EGNOS: 1,45 B€
 - Budget flexibility
 - Committee procedure

Status of negotiation (2)

- Main disagreements
 - ✘ Access to space (art.5)
 - ✘ Security (title 5)
 - ✘ Copernicus (art. 48-52)
 - ✘ Govsatcom (art. 62-69)
 - ✘ Horizon Europe
 - ✘ Third countries

Next steps

- November 13/14: space working party
- Competitiveness Council meeting
 - Progress Report
 - Exchange of views on the Space Programme

Regulation “Horizon Europe”

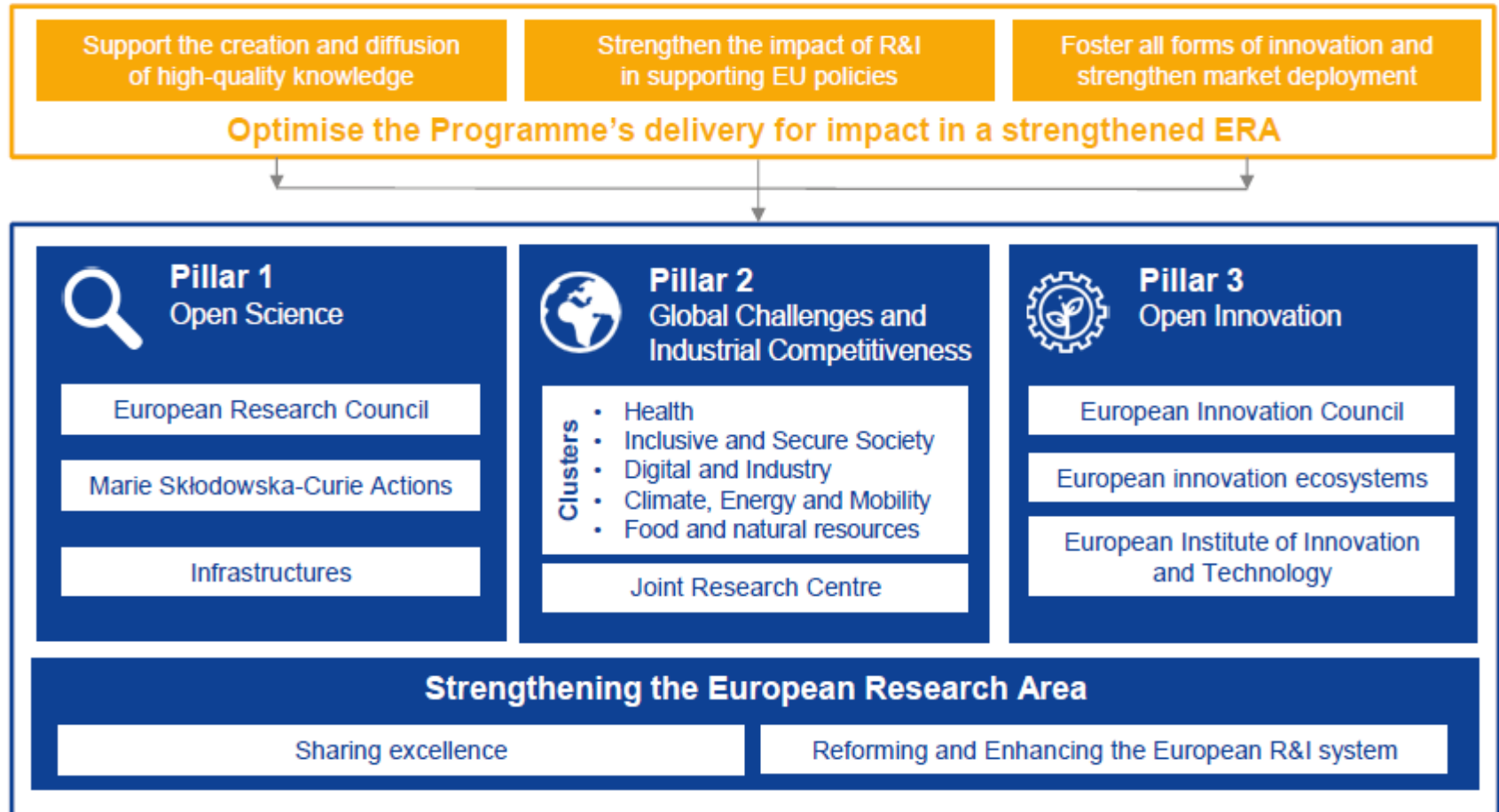
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Commission's proposal for “Horizon Europe”- FP9 for R&I

- Timespan: 2021-2027
- Essential documents (d.d. 7/6/2018)
 - a. Proposal for a Regulation of the European Parliament and of the Council (with annexes)**
 - the general and specific objective of Horizon Europe, the structure and the broad lines of activities to be carried out
 - <https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:52018PC0435&rid=5>
 - b. Proposal for a Decision of the European Parliament and of the Council (with annexes) - called “Specific Programme Document”**
 - defines the operational objectives and the activities which are specific to parts of Horizon Europe
 - <https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:52018PC0436&rid=4>

Overall structure

Specific objectives of the Programme

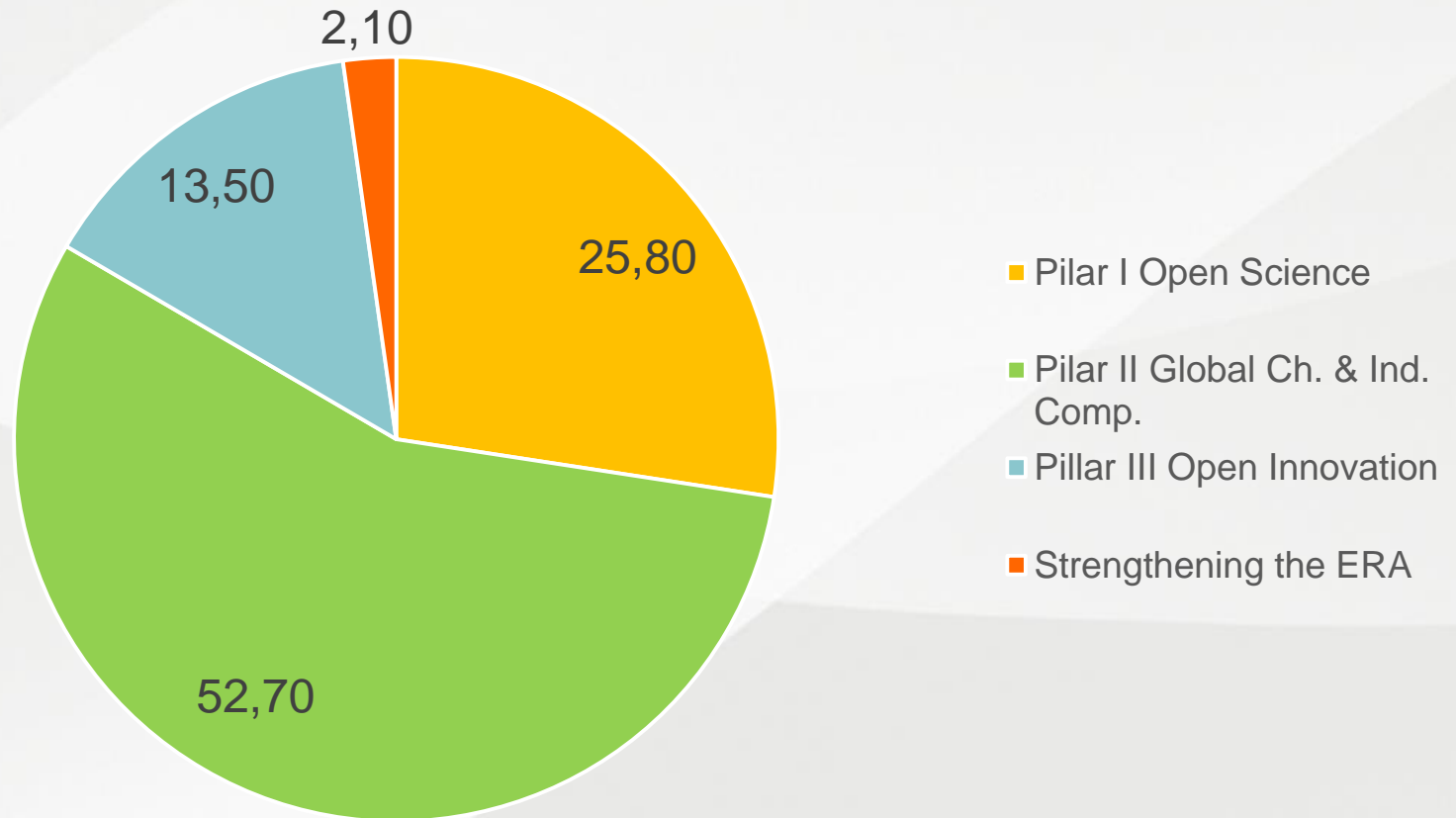


“Space”: area of intervention in cluster “Digital and Industry”

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

Budget

2021-2027: 94,1 B€



Pillar 2: (indicative) budget distribution

- **52,7 B€ for the period 2021-2027**

- 1) Cluster “Health”: 7,7 B€
- 2) Cluster “Inclusive and Secure Society”: 2,8 B€
- 3) Cluster “Digital and Industry” (...space..): 15 B€
- 4) Cluster “Climate, Energy and Mobility”: 15 B€
- 5) Cluster “Food and Natural Resources”: 10 B€
- 6) The non-nuclear direct actions of the
Joint Research Centre (JRC): 2,2 B€

- **No prior budget distribution defined for the areas of intervention inside a cluster**

Area of intervention “Space” – Broad lines (1)

- a) **Galileo & Egnos:** innovative applications, market uptake, next generation systems developments...
- b) **Copernicus:** innovative applications, market uptake, next generation systems developments, EO data techniques, big data...
- c) **Space Situational awareness:** robust EU capacity to monitor and forecast state of the space environment (space weather, space debris, NEO), new service concepts...
- d) **Secure Satellite Communications for EU governmental actors:** solutions for the widest possible range of governmental users...
- e) **End-to-end satellite Communications for citizens and businesses:** cost-effective, advanced satellite communications to connect assets and people in underserved areas...

Area of intervention “Space” – Broad lines (2)

- f) **Non-dependence and sustainability of the supply chain:** increased technology readiness levels in satellites and launchers, to secure EU technological leadership and autonomy...
 - g) **Space ecosystem:** in orbit validation and demonstration services, space demonstrators in areas such as hybrid, smart or reconfigurable satellites...
 - h) **Space science:** exploitation of scientific data delivered by scientific and exploration missions, combined with the development of innovative instruments in an international environment; contribution to precursor scientific missions for the evolution of the Space Programme...
- ***Activities will be roadmap-based, taking account of the ESA harmonization process and relevant MS initiatives, and will be implemented with ESA, as appropriate.***

Status of negotiation (1)

Proposal for a Decision – “Specific Programme Document”- version 2 (24/10/2018)

- **Change in Clusters:**

- 1) Cluster “Health”
- 2) Cluster “Inclusion, Creativity and Culture”
- 3) Cluster “Civil Security for Society”
- 4) Cluster “Digital and Industry”
- 5) Cluster “Climate, Energy and Mobility”
- 6) Cluster “Bioeconomy, Food, Natural Resources and Environment”
- 7) The non-nuclear direct actions of the Joint Research Centre (JRC)

Status of negotiation (2)

Proposal for a Decision – “Specific Programme Document”- version 2 (24/10/2018)

- **Space:**

- Still an area of intervention within cluster “Digital and Industry” (BELSPO supports a cluster “Space”)
- No change in the “Broad lines”
- Remark: use of space technology, data and services is addressed in other clusters of Pillar 2
 - Cluster “Civil security for society”
 - Cluster “Climate, energy and mobility”
 - Cluster “Bioeconomy, Food, Natural Resources and Environment”

Agenda of negotiation

- Next step
 - Competitiveness Council meeting on 30/11/2018
- Council objectives
 - For the Regulation: preferably a Global Partial Agreement
 - Coreper 21/11/2018 to prepare the Council meeting
 - Still 7 working parties R&I to go before Coreper
 - For the Decision (Specific Programme): not clear yet whether Global Partial Agreement or Progress Report