

Horizon Europe

Cluster 4 – Digital, Industry and Space Smart Network and Services Partnership

Introduction – calls 2022

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Outline...

- Cluster 4 team
- Deadlines
- Cluster 4 in policy context
- Partnerships
Smart Network and Services
- Overview of Destinations
Topic example
- NCP offer

Cluster 4 National Contact Point (NCP) Team: Digital, Industry and Space

Digital



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Really, the important stuff – due dates!



Space

16 February 2022



Digital

27 January, 05 April and 16 November 2022



Industry

25 January and 30 March 2022

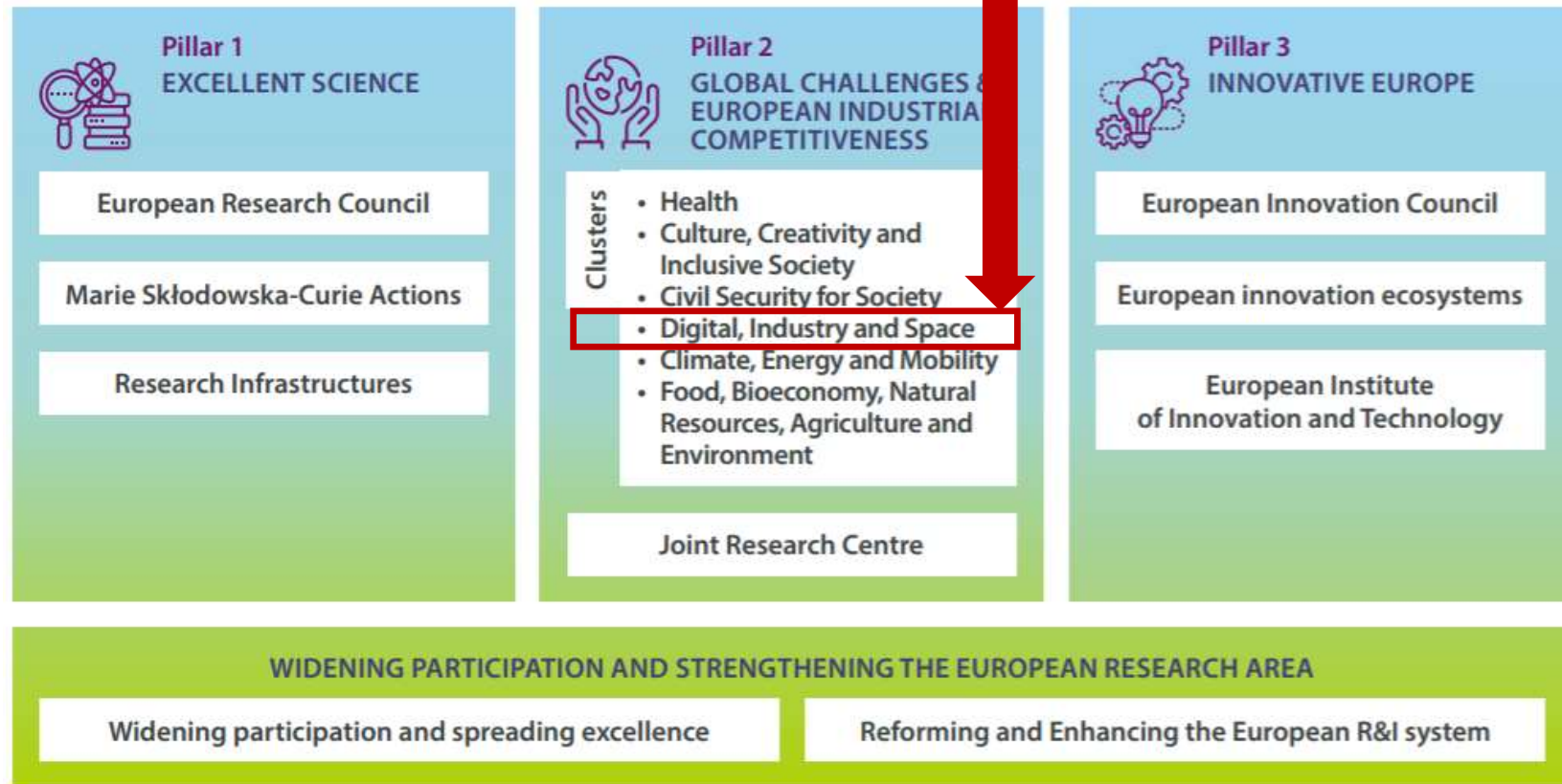
Cluster 4 Digital – where do I fit in?



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Structure of Horizon Europe

Digital, Industry and Space
EUR 15.3 billion



Cluster 4 - Vision

*Competitive technologies respecting the boundaries of our planet,
and reflecting human needs*

Green and digital 'twin' transitions

Industrial and digital transformation

- mastering technologies
- deploying technologies and technology infrastructures
- securing autonomy in strategic value chains

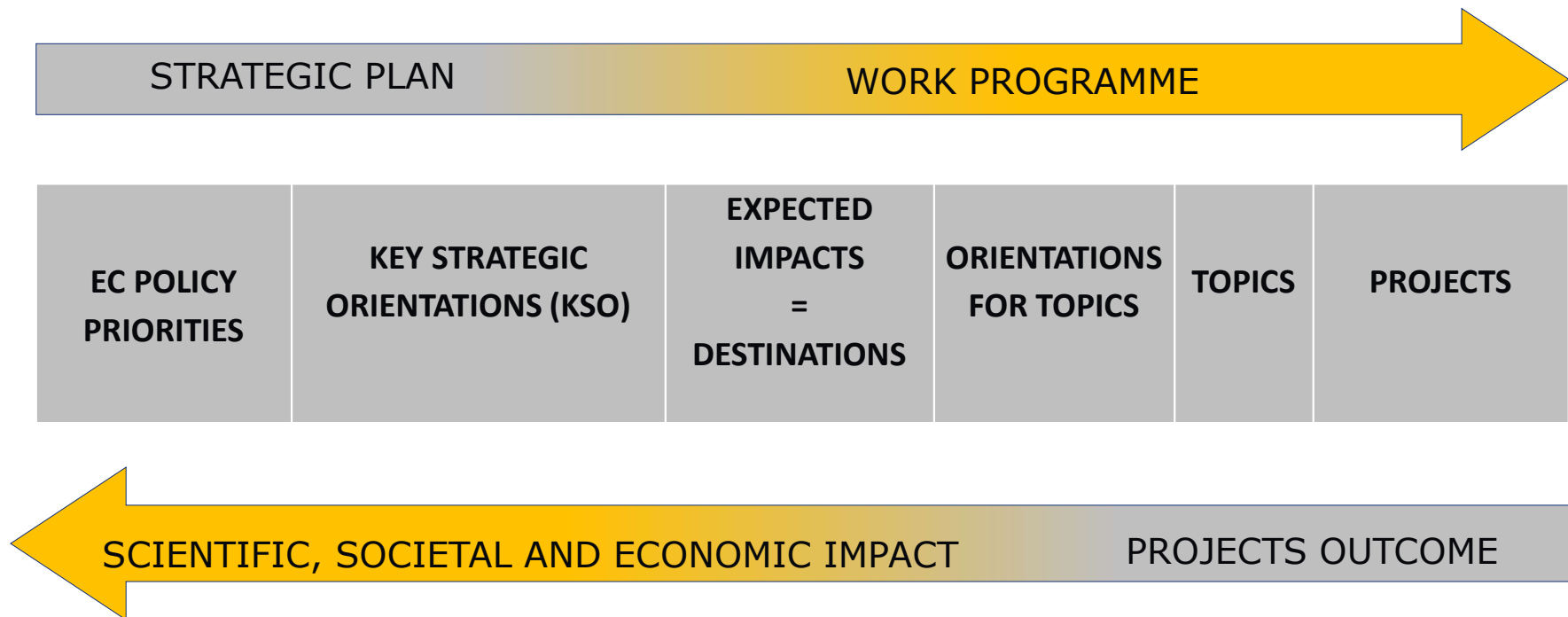


Climate-neutral, circular and clean industry

Major contribution to inclusiveness and resilience

- human-centred and ethical developments
- engagement with users, workers, citizens
- social innovation

Connection between EU policy priorities and R&I projects



Political drivers



Digital Policy Priorities



Connection between EU policy priorities and R&I projects



Key strategic orientations for EU R&I and **Cluster 4**

Promoting an open strategic autonomy by leading the development of key digital, enabling and emerging technologies, sectors and value chains.

Restoring Europe's ecosystems and biodiversity, and managing sustainably natural resources.

Making Europe the first digitally enabled circular, climate-neutral and sustainable economy

Creating a more resilient, inclusive and democratic European society



Recommend to read the Horizon Europe Strategic Plan (2021-2024) Introduction and Annex Cluster 4 p 68 to 76

A partnership driven cluster ...

- Complex
- Large
- Confusing
- Overlapping (aka links and synergies)



But it's co-designed!



"gigantic water-snake-like monster with nine heads (the number varies), one of which was immortal...Anyone who attempted to behead the Hydra found that as soon as one head was cut off, two more heads would emerge from the fresh wound"

European partnerships

- EC and private and/or public partners commit to jointly implement a program
- Objectives and expected impacts are set and agreed in a Strategic Research, Innovation and Deployment Agenda (SRIDA)
- Three types:

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

Common for all European Partnerships

- **Strategic orientation:** Priorities are defined as part of the strategic planning of Horizon Europe;
- **Necessity test for European Partnerships**, compared to traditional calls:
 - **Directionality:** based on agreed objectives and expected impacts underpinned in SRIDA
 - **Additionality:** commitments from partners
- **Common set of criteria** along their life-cycle, defined in the Horizon Europe regulation
- **Union contribution:** clearly defined at the outset for the full duration of the initiative.
- In their implementation and certain features, they differ, with the co-programmed being the simplest to prepare and implement, and the institutionalised the most complex.

Cluster 4 is “partnership driven”

10 partnerships;

Fifty-five (55%) of the Cluster budget will be in partnership topics

Co-programmed: calls in Cluster 4 work program (open by default)

Institutionalized: separate work programme

Area	Partnerships	Type
Digital	European Partnership for High Performance Computing	Institutionalised
Digital	European Partnership for Key Digital Technologies (KDT)	Institutionalised
Digital	European Partnership for Smart Networks and Services	Institutionalised
Digital	European Partnership on Artificial Intelligence, Data and Robotics	Co-programmed
Digital	European Partnership for Photonics	Co-programmed
Industry	European Partnership for Clean Steel - Low Carbon Steelmaking	Co-programmed
Industry	European Partnership Made in Europe	Co-programmed
Industry	Processes4Planet – Transforming the European Process Industry for a sustainable society	Co-programmed
Space	European Partnership on Metrology	Institutionalised
Space	European Partnership for Globally competitive Space Systems	Co-programmed