



Session 3 Digital & Space

Research and Industrial Infrastructures in Horizon Europe

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Horizon Europe: proposed structure



Pillar 1 Excellent Science

European Research Council

Marie Skłodowska-Curie Actions

Research Infrastructures

Pillar 2 Global Challenges and European Industrial Competitiveness

- Clusters**
- Health
 - Culture, Creativity and Inclusive Society
 - Civil Security for Society
 - Digital, Industry and Space
 - Climate, Energy and Mobility
 - Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre

Pillar 3 Innovative Europe

European Innovation Council

European innovation
ecosystems

European Institute of Innovation
and Technology

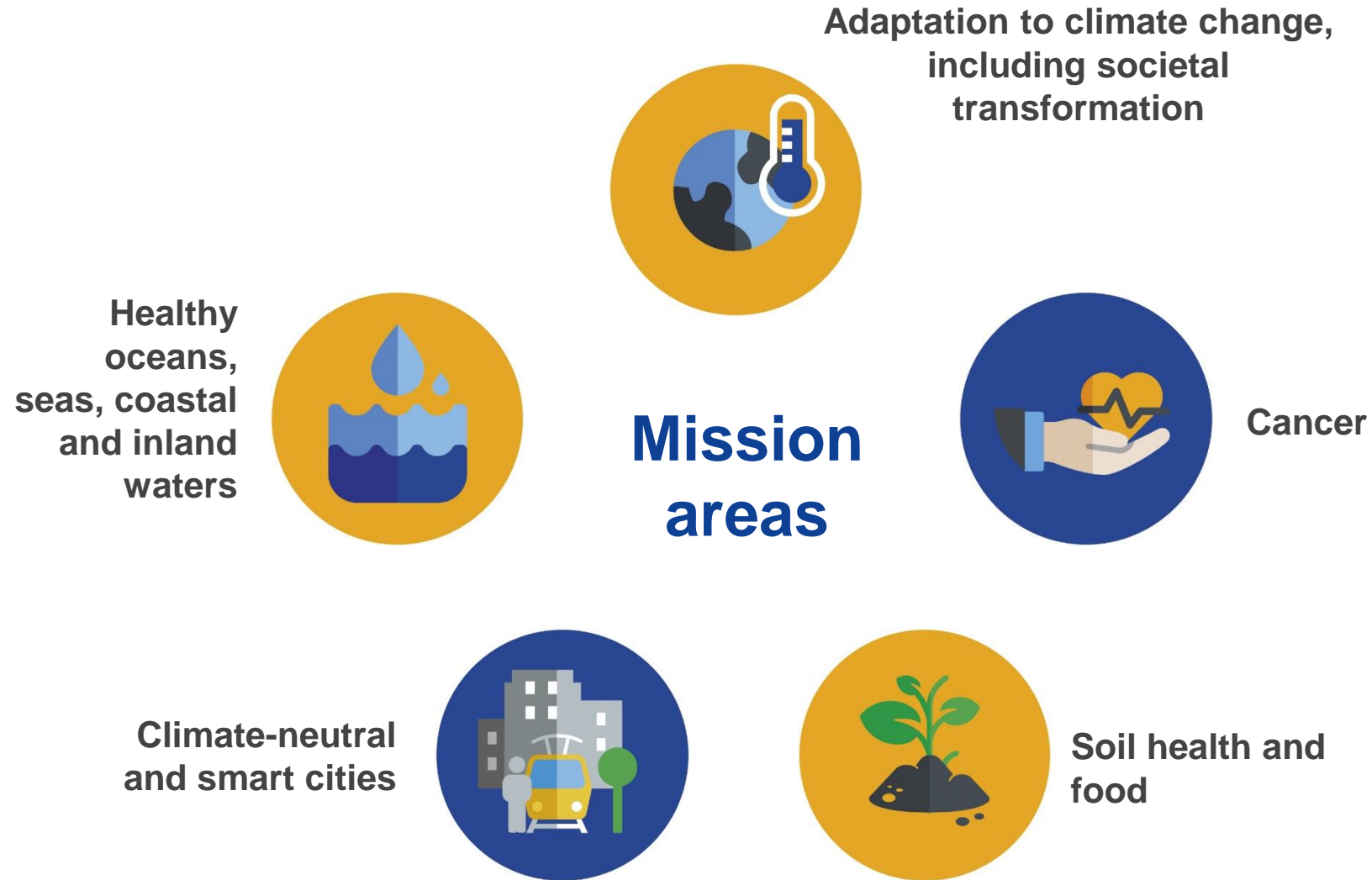
Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system



Horizon Europe Missions



Horizon Europe Partnerships

49 partnerships

Five areas:

- [health](#)
- [digital, industry and space](#)
- [climate, energy and mobility](#)
- [food, bioeconomy, natural resources, agriculture and environment](#)
- [partnerships across themes](#)

Digital and Space is everywhere



!!! Warning: under discussion !!!

Research Infrastructures in Horizon Europe

Destination #1: A well-functioning European Research Infrastructure landscape

Destination #2: Enabling an operational, open and FAIR EOSC ecosystem

Destination #3: RI services to support health research, accelerate the green and digital transformation, and advance frontier knowledge

Destination #4: Next generation of scientific instruments, tools and methods and advanced digital solutions

Destination #5: Network connectivity - enabler for collaboration without boundaries

Radio Astronomy examples

- Green deal green energy [SKA](#) & [CTA](#)
- Building capacity, eg [RadioNet](#)
- EU-Africa strategy – STEM education of Kenyan school girls ([JIVE](#) and [VLBI](#))
- Digital agenda – eg Signal processing and data transport ([LOFAR](#), [SKA](#)); Big data ([SKA](#), [ESCAPE](#))



Thank you