SPACE FOR INTELLIGENT HEALTH

3 November 2020 09:00 – 16:00



DOWNSTREAM GATEWAY

Space for Earth

Jan Wörner European Space Agency



Global Challenges

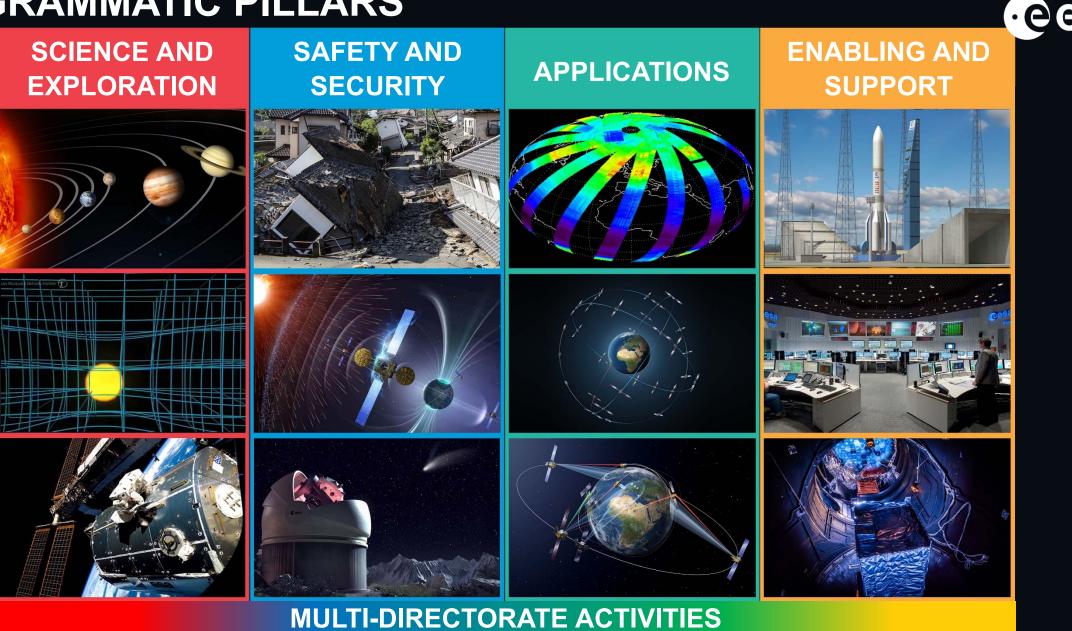
- climate change
- migration
- mobility
- communication
- energy
- shortage of resources
- demographic development
- conflicts and catastrophes
- health
- ...curiosity







OGRAMMATIC PILLARS



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4 Main Programmatic Pillars Science and Safety and Applications Enabling and Support **Exploration** Security **Downstream Gateway** "One Space to the Customer" - -- --→ THE EUROPEAN SPA



Physiology in human spaceflight

- Musculo-skeletal system: Bone and Muscle loss
- Cardiovascular and cardiopulmonary systems
- Pulmonary Function
- Neuro-sensory system, orientation and equilibrium, motion sickness
- Sleep & circadian rhythm
- Nutrition
- Biological effects of radiation
- Other regulation systems: Endocrine, Immune and fluid/blood regulation systems





continuation and innovation

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→ THE EUROPEAN SPA

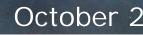
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Open Space Innovation Platform

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