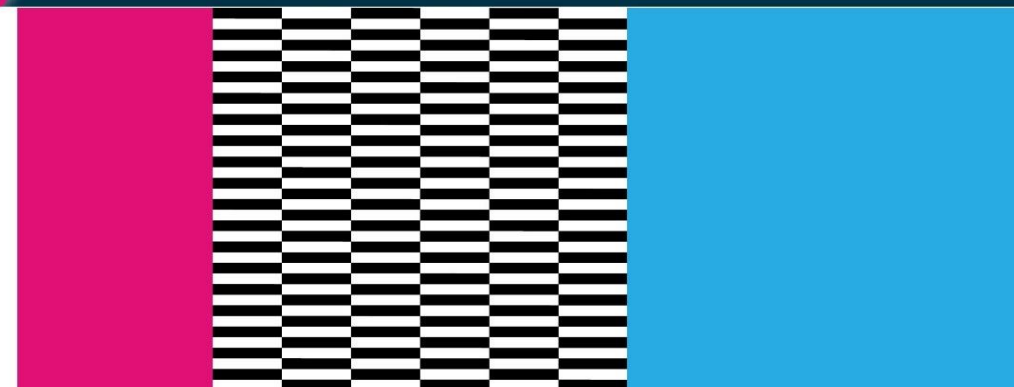


**hub:raum**  
tech incubator of 

**IoT SPACE**  
CHALLENGE WITH  
EUROPEAN SPACE AGENCY

*Preview*  
*Prototyping campus for fast  
innovation of EO and IoT*




# FIRST JOINT PROTOTYPING IN A NUTSHELL

## FOCUSING ON IOT WITH EARTH OBSERVATION USE CASES

### GOALS



**EO for IoT:** confirmed usability of EO data for IoT community. First engagement with DT IoT creators.  [iotcreators.com](https://www.iotcreators.com)  
by Deutsche Telekom IoT

**IoT for EO:** confirmed added value of terrestrial and Space-based IoT connectivity for EO use cases and future operational concepts

**Partnerships:** established among institutional and commercial actors: ESA, DT, EO and IoT solutions providers

#### Target outcomes:

- 40+ open call applications
- Jointly identify 8-10 promising use cases in predefined focus areas
- Demonstration of 4-6 new pre-operational and/or commercially-viable use cases as PoCs to be taken up for further incubation or scale up

### RESOURCES



DT IoT Creators connectivity, platform and community, T-Systems computing, cloud services and expertise (Copernicus Data Space Ecosystem), mentors and co-financing

EO data access platforms and applications expertise, IoT integration layer incl. APIs, thematic mentors, co-financing, Space-based IoT capabilities or simulations for testing and demonstration purposes

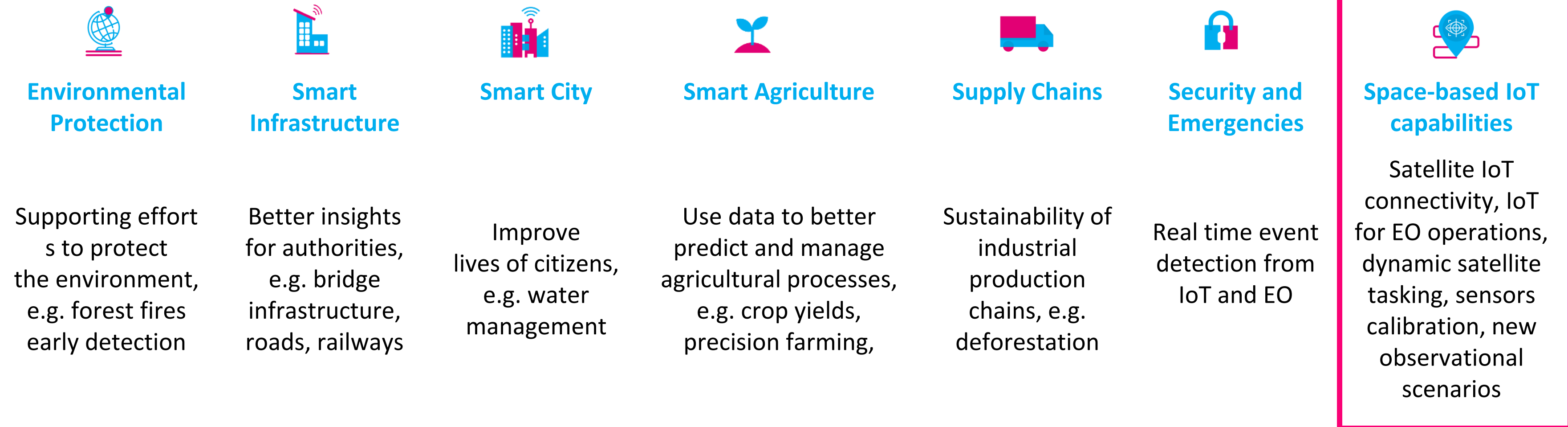
Hubraum co-innovation framework and GPD expertise, campuses and ecosystem, co-financing



# FOCUS AREAS

To achieve a real impact and to increase chances for further (pre)operational or commercial deployments, this prototyping activities will address the areas where both ESA and DT actively invest in technology scouting and development, or where the combination of IoT and EO data may enhance the existing EO and IoT service offer or resolve problems and challenges in the most efficient/scalable way.

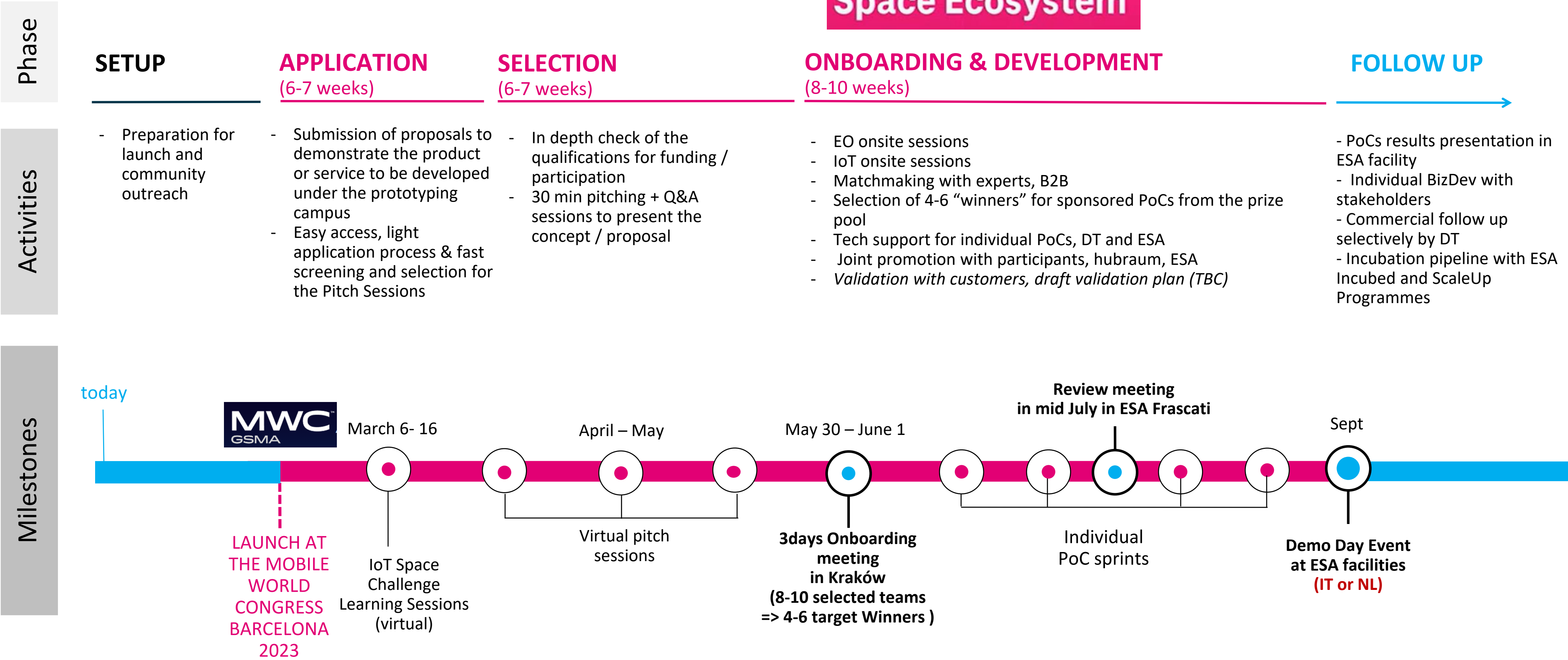
Proposed focus areas:





# GENERAL TIMELINE

## Copernicus Data Space Ecosystem



# IoT Space Challenge

## FOR WHOM

- ▶ Start-ups, companies or developer teams innovating and building IoT or EO solutions or potentially willing to collaborate in purpose-made teams with complementary backgrounds
- ▶ Geography: from ESA members states, EU and EU associated countries
- ▶ Scouting level of maturity: TRL 5-9

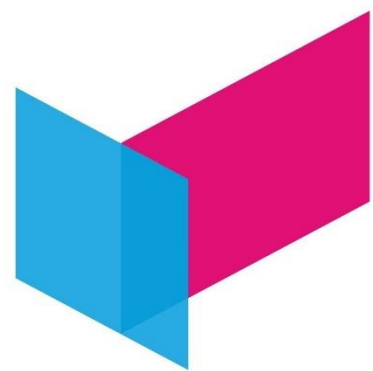
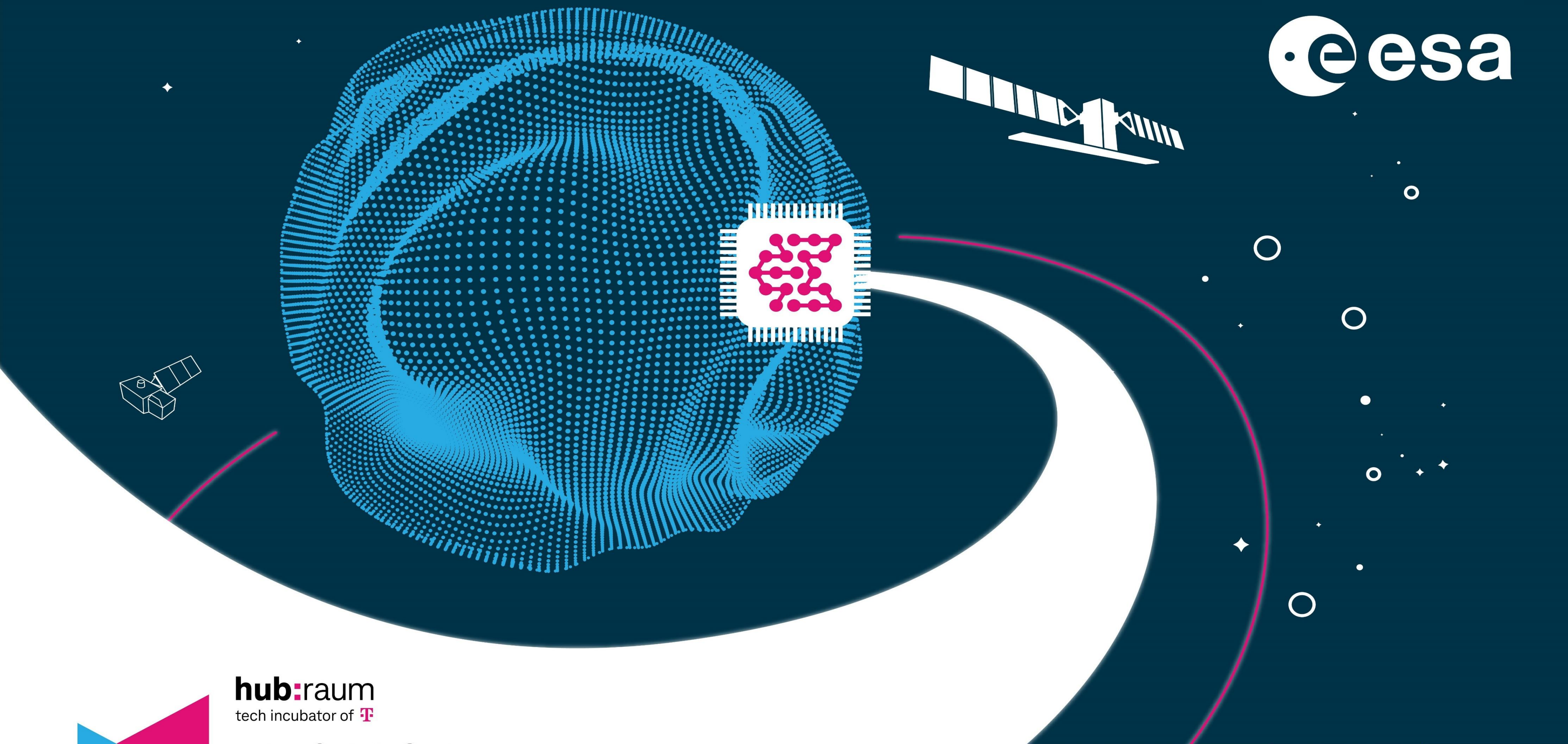
## BENEFITS FOR PARTICIPANTS

- The Prize pool by ESA of up to 60K euro to sponsor building of selected use case as PoCs (*~10K euro per a Winning Team*)
- DT IoT Creators connectivity and network experts support, incl. IoT prototyping kits if needed
- Access to European Earth Observation data with ESA experts' support
- Access to Copernicus Data Space Ecosystem with credits and T-Systems experts support
- Access to hubraum campus spaces in Berlin and Krakow for work and prototyping,
- Potential co-investment by hubraum fund up to 1mln euro
- Opportunity to join larger ESA incubation programmes: Incubed, Scaleup etc.

## PARTNERSHIP

Exploring possibilities of enhancing IoT services from DT IoT Creators with Earth Observation data and operational concepts for new commercially-viable applications





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*Future Connectivity for EO!*

