







**EO Science for Society Info Day 2024  
(FutureEO-1 Segment 2 Block 4)**

# Earth Observation Science for Society

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28 March 2024, Frascati (RM), Italy



<b>09:30-09:40</b>	<b>Welcome and Introduction</b>
<b>09:40-09:50</b>	<b>EO Science for Society – Introduction</b>
<b>09:50-10:20</b>	<b>a. Science</b>
<b>10:20-10:50</b>	<b>b. Applications</b>
<b>10:50-11:20</b>	<b>c. Industrial Competitiveness</b>
<b>11:20-11:35</b>	<b>Q &amp; A</b>
<b>11:35-11:50</b>	<b>Coffee break</b>
<b>11:50-12:20</b>	<b>d. Digital Innovation</b>
<b>12:20-12:35</b>	<b>e. SUP</b>
<b>12:35-12:50</b>	<b>f. Open Call</b>
<b>12:50-13:05</b>	<b>g. Foresight</b>
<b>13:05-13:20</b>	<b>Q &amp; A</b>
<b>13:20-13:30</b>	<b>Closure</b>

# House rules for Webex Webinar Platform

- Use your full first and last name and your affiliation when accessing. Do not use nicknames
- You will join as attendees and will be muted upon entry.
- No interaction with panellists is foreseen, only via chat during the Q&A session only.
- This meeting is recorded for documentation and internal purposes.

By participating in this meeting, you consent to being recorded, including your voice, video, and any content shared or presented during the session.

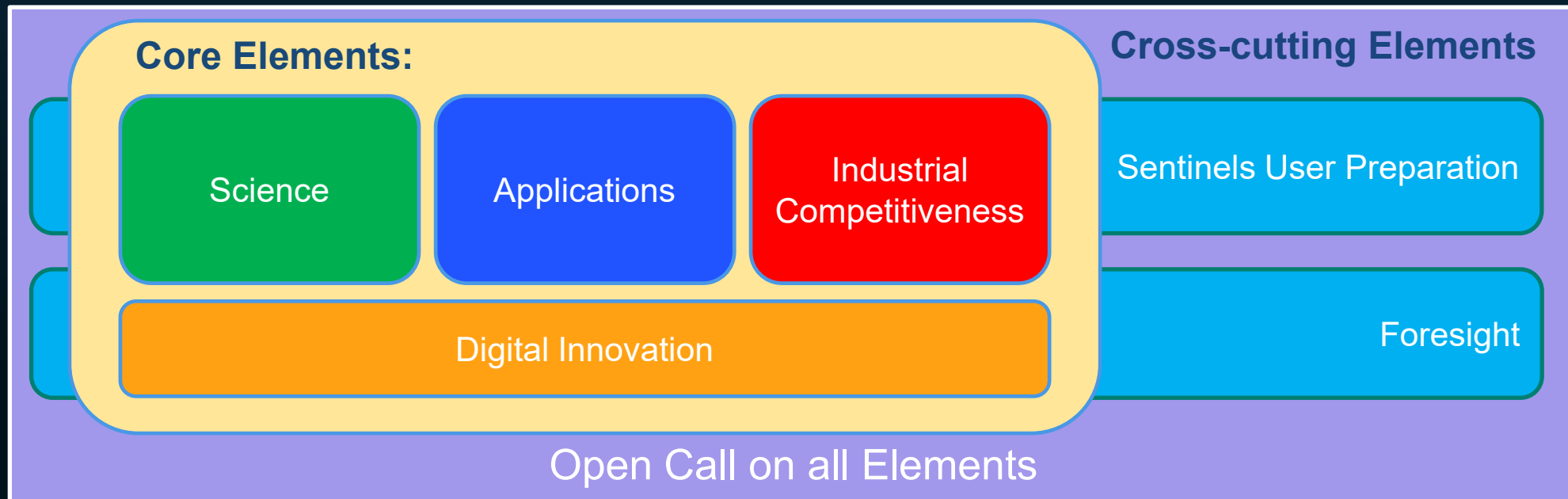
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# Block 4 – EO Science for Society

To maximise the impact of European EO assets on society and fostering European competitiveness in exploitation of all EO missions. The programme element: articulated through

- 4 Core Elements from science to operations by **scientific excellence, pioneering novel applications, growing the downstream sector, leveraging on latest digital innovation** and ICT solution , enabling **fast responses** and addressing specific regional priorities.
- Supported by 2 Cross-cutting elements, Foresight **exploring** the potential of emerging and **disruptive technologies** and Sentinel User Preparation (SUP) **preparing for upcoming Sentinels** expansion and New Generation.
- The **permanently Open Call** providing innovative proposals in all Core and Cross Cutting elements

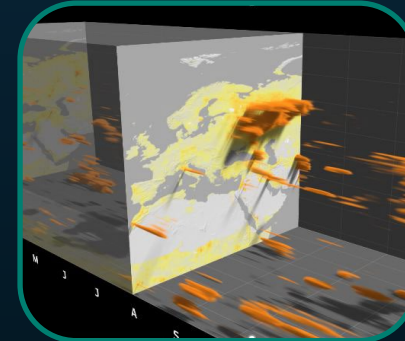
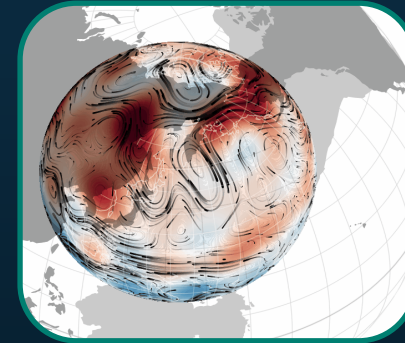




- **Deliver scientific excellence** in EO, maximizing scientific impact of European EO capabilities and advancing our fundamental understanding of the Earth and system in close collaboration with EC (DG-RTD) Horizon Europe.
- **Pioneer EO applications** and solutions to support international/European policies on environment and sustainable development, with the pro-active involvement of stakeholders and end-users.
- **Strengthen European EO industry** competitiveness through integration of new technologies, stimulating innovative approaches to open new market opportunities.
- **Making full leverage of ICT advances** ensuring competitive R&D cycle generating EO-derived information in an agile and rapid innovation process.

# Block 4 – EO Science for Society: Activities Principles

- Driven by **major scientific challenges, societal needs and global environmental and development agendas** to deliver maximum public good;
- **Respond to needs and recommendations** of scientific and operational user communities and downstream industries, (systematic consultation and participation in co-design, implementation and assessment);
- **Complement, seed, cross-fertilize and enrich** relevant activities of ESA MS national programmes, Horizon Europe, DestinE and Copernicus;
- **Enhance and accelerate** using latest Digital Innovation such as AI powered Open platforms, Data Cubes, Cloud Computing, Big Data analysis, Open Science and Citizen science.





# HIGHLIGHTS

Collaborative actions with science clusters



SCIENCE HUB for cooperation on Earth System science

Transfer to operations

Setting the scene for reproducible Open Science



Consultation Process with CSOs / NGOs for Ecosystem Conservation



# Block 4 - EO Science for Society – KEY RESULTS

**280+**  
SCIENTIFIC INSTITUTIONS INVOLVED SINCE 2017

**570+**  
PAPERS FROM THE SCIENTIFIC EXPLOITATION ELEMENT SINCE 2017

LIVING PLANET SCHOOL LAB IN 2022 WITH **700+** STUDENTS

ORGANISING AND CONTRIBUTING TO **14** ADVANCE COURSES AND COURSES FROM PARTNER ORGANISATIONS WITH **50+** TRAINING SESSIONS AND COURSES FROM PARTNER ORGANISATIONS WITH **7,700+** YOUNG SCIENTISTS SINCE 2017

**2800+**  
STAKEHOLDERS AND EXPERTS INVOLVED IN CONSULTATION WORKSHOPS AND APPLICATION DEVELOPMENT

COLLABORATION WITH COUNTRIES OUTSIDE EUROPE AND INVOLVEMENT OF **45+** INTERNATIONAL ORGANISATIONS

**360+**  
PROPOSALS LED BY SMES

**7.5%**  
CAGR IN REVENUES FOR COMMERCIAL EO APPLICATIONS AND SERVICES

**1,13M+**  
SNAP DOWNLOADS SINCE 2015 WITH **1,76M+** VISITS TO THE SNAP PLATFORM SINCE 2015



**171**  
CONTRACTS PLACED IN THE OPEN CALL

**670**  
PROPOSALS RECEIVED IN THE OPEN CALL

**15BN<sub>KM</sub><sup>2</sup>**  
PROCESSED/MONTH BY PLATFORM SERVICES

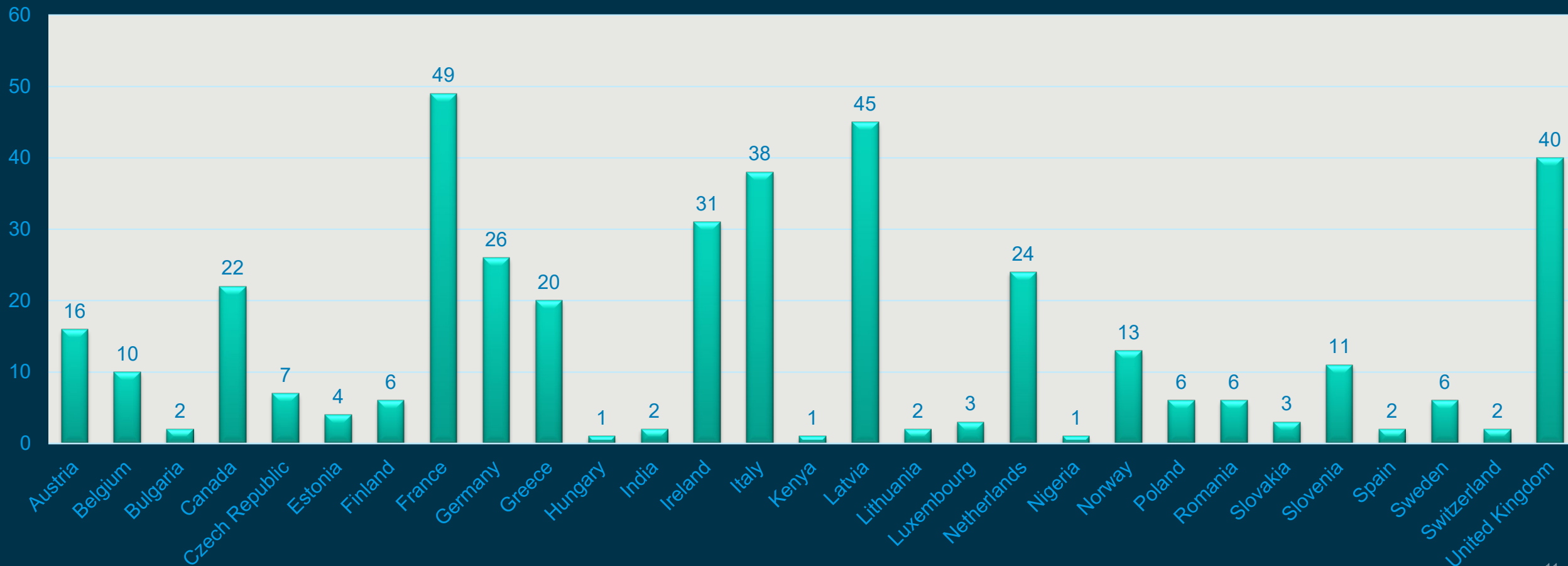
**700+**  
R&D PROJECTS SPONSORED TO USE INNOVATIVE CLOUD-BASED SERVICES EXPLOITING **900+** DIFFERENT SERVICES

**400,000**  
ACTIVE PLATFORM USERS SERVED MONTHLY

# Participants



> 400 participants  
from 29 different  
countries



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