

Issue 01 | October 2026

# RAISEARTH NEWSLETTER

Research Infrastructure Services Advancing Frontier  
Knowledge in Sun-Earth Interactions

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Dear Reader,

Welcome to the first issue of the  
RAISEARTH newsletter series!

RAISEARTH (2026-2030) is a European  
Union funded project under the Horizon  
Europe Research and Innovation  
Programme.

The RAISEARTH project provides  
transnational and virtual access to a  
comprehensive, service-ready Research  
Infrastructure that integrates  
experimental facilities, data services,  
prediction models, and advanced AI/ML  
capabilities to support frontier research on  
the Sun-Earth system. RAISEARTH services  
aim at innovators from academia and the  
industrial/operational sector, willing to test  
and verify new developments, before  
transition to operations.

Join us to stay informed about the latest  
project developments.

The RAISEARTH Consortium

# RAISEARTH kicks off at Arenberg Castle, Leuven

The RAISEARTH Kick-off Meeting took place on 6-7 October 2026 at Arenberg Castle in Leuven, Belgium, hosted by KU Leuven. Representatives of all 21 partners from 14 European countries met to turn the project's four-year vision into a concrete plan for the first year.



The first day focused on what we are building and how we will work together. The Coordinator, Anna Belehaki (NOA), presented the project's ambition: to integrate Europe's distributed Sun-Earth observing facilities, databases, models and AI/ML capabilities into a single, service-ready research ecosystem. The six work package leaders then presented their plans.

We were also pleased to welcome our EC Project Officer, who presented the Commission's expectations and guidance for the project.

On the second day, the RAISEARTH nodes introduced their facilities, data and services, from radars, radio telescopes and ionosondes to GNSS networks, models and digital infrastructures. The meeting closed with a discussion on where RAISEARTH can do more together than separately, and with a common Year-1 action plan.

As the Coordinator put it: ***"We are not starting from zero. RAISEARTH starts from proven facilities, datasets, models and platforms, and makes them work together."***

# Discover RAISEARTH online

The RAISEARTH website is now live at <https://raisearth.eu>. It is the main entry point for anyone interested in the project and its services.



#### Integrated Sun–Earth Research

RAISEARTH connects observations, experiments, data, and models across the entire Sun–Earth system, from solar activity to the ionosphere and thermosphere.

#### Open Access to Research Infrastructures

Researchers gain Transnational and Virtual Access to European instruments, FAIR datasets, event catalogues, and model outputs, enabling cross-disciplinary research and maximising the use of existing facilities.

#### AI-Powered e-Science

The RAISEARTH e-Science Centre provides AI-enabled services for event detection, forecasting, semantic discovery, data quality control, and machine-learning workflows.

#### Training, Innovation & Collaboration

Schools, workshops, hackathons, and expert support equip researchers with advanced skills in heliophysics, FAIR data, and AI, fostering innovation and collaboration across disciplines.

On the website you can:

- learn about the project, the consortium and its governance;
- find out how to access RAISEARTH services through Trans-National Access (TNA), Virtual Access (VA) and the e-Science Centre;
- explore the Knowledge Hub, with training material and resources;
- follow news and events, including upcoming Training Schools and TNA calls;
- get in touch with us.

The website will grow as the project progresses, with new services, calls for access and results added regularly.

You can also follow RAISEARTH on [LinkedIn](#) and [YouTube](#), and find our outputs in the RAISEARTH community on [Zenodo](#).

# Meet RAISEARTH at ESWW2026 in Florence

Several RAISEARTH partners will take part in the European Space Weather Week 2026 (ESWW2026), held in Florence, Italy, on 2-6 November 2026. ESWW is the main annual European event on space weather and space climate, bringing together researchers, engineers, service providers and end users. This year's theme, "Data-driven and physics-based cross-scale Space Weather and Space Climate", is very close to the RAISEARTH approach of combining observations, physics-based models and AI/ML methods.

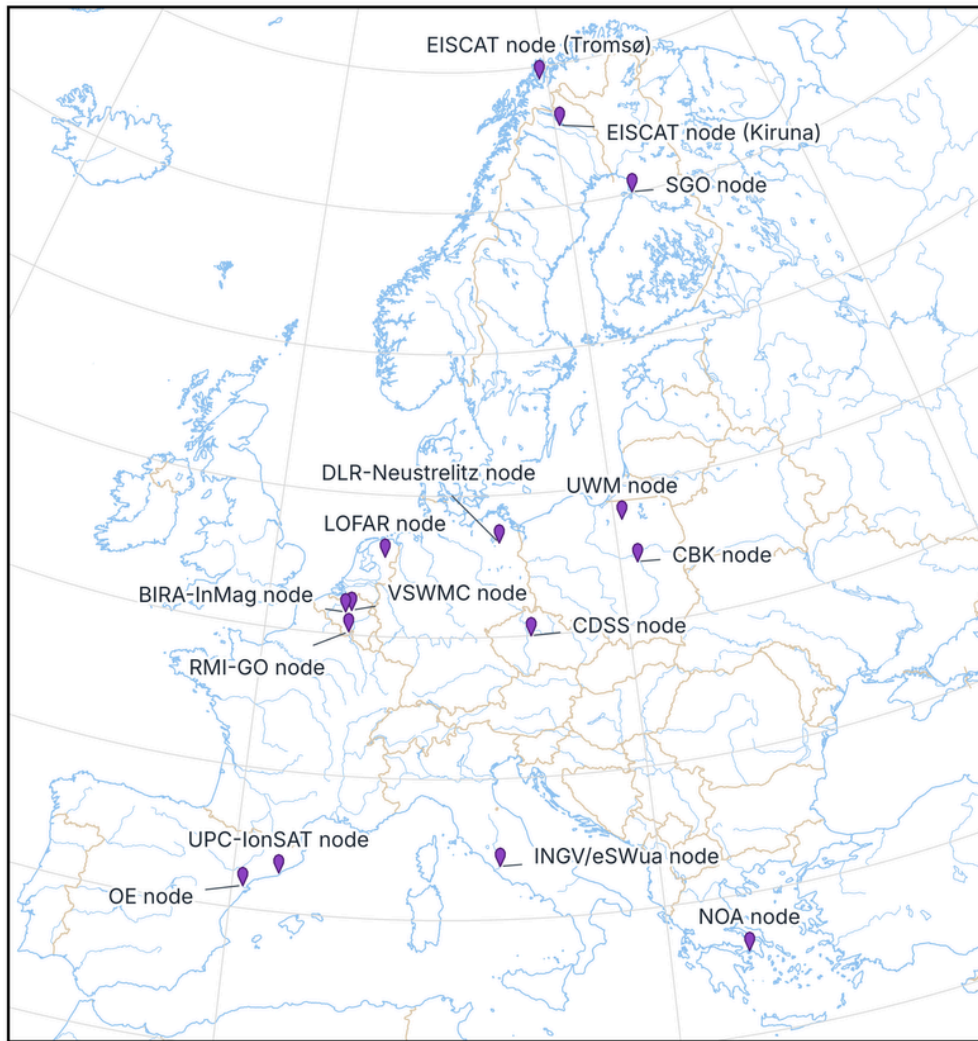
The project will be presented through a poster and at the Space Weather Fair. Come and talk to us to find out about the upcoming Trans-National Access opportunities, the services of the e-Science Centre and our Training Schools. We look forward to meeting you in Florence!

## Trans-National Access: first call coming in January 2027

The first RAISEARTH Trans-National Access (TNA) call will open in January 2027. TNA gives researchers and research teams from academia and industry access to leading European research infrastructures that are not available in their home countries. Depending on the facility, access can be physical (on site), remote or virtual.

### 14 TNA nodes across Europe

- NOA node (NOA, Palaia Penteli, Greece)
- EISCAT node (EISCAT Tromsø ISR, Norway; EISCAT Kiruna ISR, Sweden)
- OE node (OE, Roquetes, Spain)
- CBK node (SRC, Warsaw, Poland)
- LOFAR node (NWO-I, Dwingeloo, The Netherlands)
- SGO node (UOULU, Sodankylä, Finland)
- UPC-IonSAT node (UPC, Barcelona, Spain)
- VSWMC node (KULEUVEN, Leuven, Belgium)
- CDSS node (IAP, Prague, Czech Republic)
- DLR-Neustrelitz node (DLR, Neustrelitz, Germany)
- INGV/eSWua node (INGV, Rome, Italy)
- RMI Geophysical Observatory Node (RMI-GO, Dourbes, Belgium)
- BIRA-InMag node (BIRA, Brussels, Belgium)
- UWM node (UWM, Olsztyn, Poland)



Together, these nodes offer incoherent scatter radars, radio telescopes, ionosondes, GNSS networks, magnetometers, riometers, Doppler sounders, all-sky imagers and space-weather simulation facilities.

## How it works

The calls are open: there is no fixed deadline, and proposals are reviewed as they are submitted. The calls are renewed every four months. Each proposal goes through eligibility and feasibility checks and a scientific review. Successful applicants then receive a granting letter and agree the practical details directly with the hosting node.

A TNA support centre, hosted by EISCAT, will be the contact point for prospective users. The application form, the selection criteria and all procedures will be published on the RAISEARTH website before the first call opens.

TNA is an excellent opportunity for early-career researchers, PhD students and postdocs, but also for experienced teams, planning a study that involves space-weather instruments, data, modelling or AI/ML.

Stay tuned at <https://raisearth.eu>!

# RAISEARTH PARTNERS



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ASTRON



Deutsches Zentrum  
für Luft- und Raumfahrt  
German Aerospace Center



GFZ Helmholtz Centre  
for Geosciences

## ABOUT

**Title:** Research Infrastructure Services Advancing Frontier Knowledge in Sun-Earth Interactions (RAISEARTH)

**Topic:** HORIZON-INFRA-2025-01-SERV-04

**Coordinator:** Dr Anna Belehaki | IAASARS, National Observatory of Athens (NOA)

**Training, Outreach and Communication Leader:** Dr David Altadill | Observatorio del Ebro Fundación (OE)

**Duration:** 1 October 2026 - 30 September 2030

**Grant:** 6,657,278.51 Euros

**Granting Authority:** European Research Executive Agency (REA)

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<https://raisearth.eu/>

## CONTACT US

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