RAISEARTH

Research Infrastructure Services Advancing Frontier Knowledge in Sun-Earth Interactions

21 partners · **14** countries · **14** TNA nodes · **18** VA nodes

Horizon Europe
2026-2030

OBSERVING THE COMPLETE SUN-EARTH SYSTEM

EUROPE'S REPRESENTATIVE FACILITIES AND CAPABILITIES

01 · SUN
LOFAR and CALLISTO radio telescopes
Solar radio observations and burst monitoring

02 · HELIOSPHERE
Solar wind observations and EUHFORIA modelling
Interplanetary propagation and space weather context

03 · MAGNETOSPHERE
Magnetometer & riometer networks
Geomagnetic disturbances and their impacts

04 · IONOSPHERE
EISCAT radars, Ionosondes & GNSS networks
Plasma dynamics, TEC and scintillation

05 · THERMOSPHERE
Upper atmosphere models & optical observations
Coupled ionosphere-thermosphere processes

EXPLORE RAISEARTH

ACCESS · DATA · SKILLS

01 Trans-National Access (TNA)
Run your experiment at one of the 14 nodes, with support from the hosting facility. Explore opportunities and eligibility on the project website.
First call January 2027 · new calls every 4 months

02 Virtual Access (VA)
Discover and use distributed observations, FAIR datasets, catalogues, models and digital services through an integrated e-Science Centre.

03 Training & Innovation
Join training schools, hands-on workshops, datathons and hackathons, and user events. Reuse training resources through the Knowledge Hub.
First Training School: Fall 2027, Prague, Czechia

ONE CONNECTED e-SCIENCE ECOSYSTEM

FAIR data
Harmonised archives, catalogues and model outputs

AI workspace
Notebooks with ready ML pipelines and GPUs

Event detection
Solar-terrestrial events and anomalies

Forecasting
Research-ready predictive services

Discovery & quality
Semantic discovery, data curation and interoperability

Get involved

Join RAISEARTH

https://raisearth.eu/

info@raisearth.eu

21 partners from 14 European countries, including EISCAT (ESFRI Landmark) and LOFAR (ERIC).

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