

---

**PRESS RELEASE**

## **Detecting and measuring ground movements from space: e-GEOS leading the European project**

Rome, July 18, 2024 – e-GEOS (Telespazio 80%, ASI 20%) is Group Leader of the international consortium “ORIGINAL” (OpeRational Ground motion INsar Alliance), awarded by the European Environment Agency (EEA) for the 2024-2028 **end-to-end implementation and operation of the European Ground Motion Service (EGMS)**, ensuring the continuous supply of reliable, high quality data.

The European Ground Motion Service (EGMS) is a framework agreement of the European Environment Agency (EEA), established under Copernicus Land Monitoring Service (CLMS) to **detect and measure ground movements across Europe with millimetre precision**.

The Consortium led by e-GEOS will provide the service, based on radar (InSAR) data derived from the Copernicus Sentinel-1 satellite constellation, also using **Leonardo's HPC High Performance Computing Davinci-1** which allows the **monitoring of the structural integrity of dams, bridges, railways and buildings**, enabling urban planners to make data-driven decisions about infrastructure developments and providing useful information for the study of climate change impacts in urban areas.

Leveraging insights from experience under the 2020-2024 EGMS contract, the consortium aims to **maintain and exceed the previously established high standards** by implementing advancements that not only overcome past challenges but also meet future requirements.

ORIGINAL is composed by leading experts in InSAR and geospatial monitoring from - together with e-GEOS – NORCE, Geological Survey of Norway, TRE Altamira, and GAF, with support from DLR, PPO.labs and LTK SGO. The consortium has a solid and proven experience in the production of ground motion services and on the detection and measurement of infrastructures stability.

---

### **ABOUT e-GEOS**

e-GEOS, an ASI (20%) / Telespazio (80%) company, is a global leader in delivering applications and services through highly technological and innovative Geoinformation platforms based on Artificial Intelligence and cloud technology. e-GEOS offers a unique portfolio of application services, from data acquisition to analytical report generation, also thanks to its optical and radar capabilities and fast access to the superior monitoring capabilities of the first- and second-generation COSMO-SkyMed constellation, of which e-GEOS is the exclusive distributor worldwide. e-GEOS manages the Matera Space Center for the acquisition, storage and processing of multi-mission satellite data. The Center is one of the stations of the Core Ground Segment of Copernicus and receives radar data acquired by Sentinel-1 mission.

#### **Telespazio Press Contact:**

Paolo Mazzetti | +39 335 6515994 | [paolo.mazzetti@telespazio.com](mailto:paolo.mazzetti@telespazio.com)

#### **e-GEOS Communication:**

Catia Rispoli | +39 337 1544348 | [catia.rispoli@e-geos.it](mailto:catia.rispoli@e-geos.it)

*Copernicus is a Component of the European Union's Space Programme and receives funding from the European Union.*

*This document was produced with funding by the European Union. Views and opinions expressed are however those of the author(s) only and neither the European Commission nor the EEA can be held responsible for any use which may be made of the information contained therein.*