e-shape EuroGEOSS Showcases: Applications Powered by Europe

e-shape is a unique initiative that brings together decades of public investment in EO; empowering services for decision-makers, citizens industry, and researchers. 27 cloud-based pilot applications under 7 thematic areas address societal challenges, foster entrepreneurship and support sustainable development.

ecosystem | agriculture | disasters | health | water | climate | renewable energy

The disasters resilience showcase

Develops a portfolio of services for the protection of citizens, economies, and ecosystems against natural and induced disasters leveraging EO resources.

disasters

Pilot 1 Showcase 6: EO4D_ASH - EO Data for Detection, Discrimination & Distribution (4D) of Volcanic ash

- To strengthen the EO and in-situ data exploitation and multi-source (satellite, model, and ground-based networks) data integration to derive innovation for ash discrimination and monitoring.
- To enhance the capability of 4D forecasting volcanic ash dispersal.
- To foster innovation in the decision-making processes and mitigate ash related impact and hazard resilience.

Partners

imaa Consiglio Nazionale delle Ricerche – Istituto di Metodologie per l'Analisi Ambientale

Istituto Nazionale di Geofisica e Vulcanologia

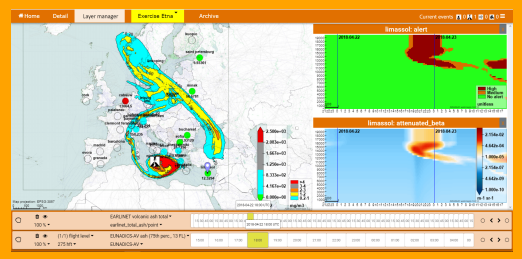
Finnish Meteorological Institute

Icelandic Met Office

Εθνικόν Αστεροσκοπείον Αθηνών – National Observatory of Athens

cnrs

Starting Date: 01/05/2019
Project info: 48 months/54 partners/14.998.976,27 E
Call identifier: H2020-SC5-2018-2
Topic: SC5-15-2018 - Strengthening the benefits for Europe of the Global Earth Observation System of Systems (GEOSS) - establishing 'EuroGEOSS'
Coordinator: ARMINES
Coordinator of Pilot 1 Showcase 6: CNR-IMAA
Pilot Leader: Lucia Mona
Contact: lucia.mona@imaa.cnr.it



https://e-shape.eu/

@eshape_eu

EuroGEO | GEO Group on Earth Observations | Copernicus

The e-shape project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement 820852