



# Key Regional Health Highlights 2025

## EuroGEO

**Dr. Haris Kontoes**, Research  
Director

**Ms Mariza Kaskara**, Research  
Assistant

EuroGEO Action Group on  
Disasters & One Health

National Observatory of Athens  
(NOA) / IAASARS / BEYOND

**Dr. Paschalis Tziastas**

Policy Officer (SNE)

European Commission

DG RTD

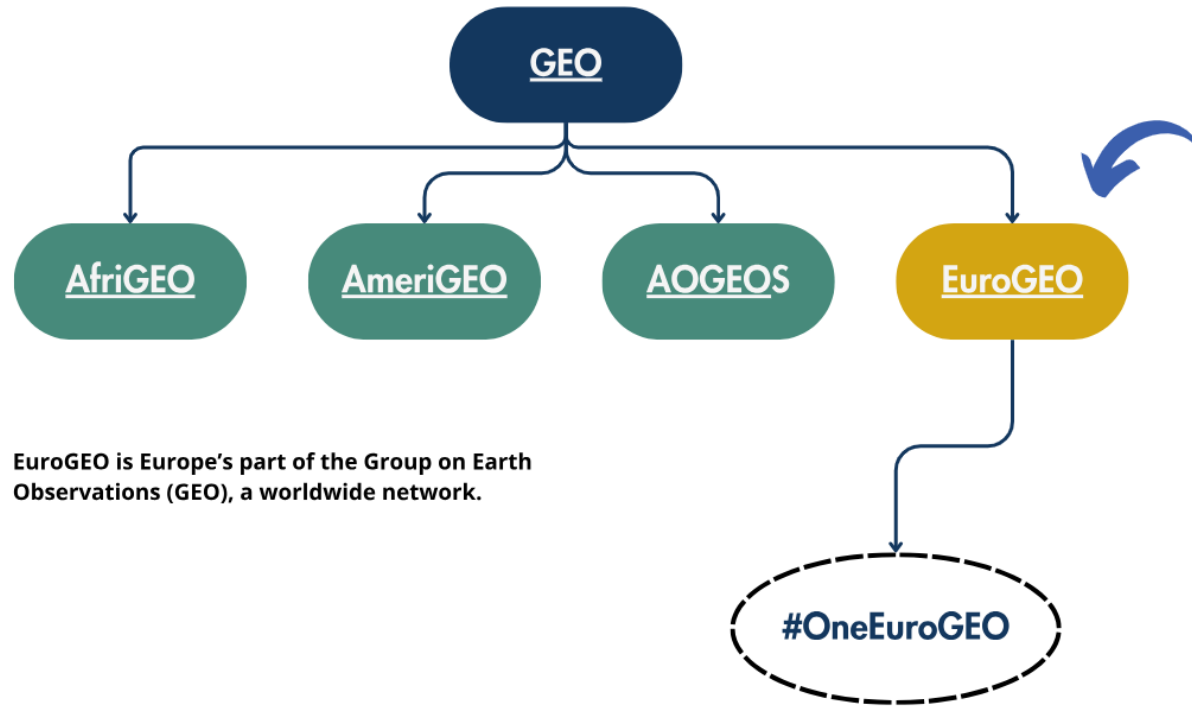


**8<sup>th</sup> December 2025**

# EuroGEO

A holistic approach

**Combine  
Coordinate  
Cooperate**



The #OneEuroGEO is a campaign inviting all European contributions to GEO, either directly committed or relevant to the scope of the GEO work plan, to join forces in forming a European community for the EO sector towards accomplishing global goals. The campaign concept is based on the principle of a holistic approach, on the sector of Earth Observation with the goal of creating and retaining sustainability during its implementation.

# EuroGEO

- Builds upon the EU Space and Copernicus assets
- Develops Earth Intelligence in the support of the EU, Global policies
- Designs an EU digital ecosystem building on CDSE, DestinE, EU Data Spaces, facilitating the Green and Digital Transition leaving no one behind;
- Provide evidence for the Balanced Governance Across Economic Sectors
- Supports the consolidation of national GEO structures across Europe;
- Delivers Capacity Building all over the world in collaboration with DG-INTPA and Regional GEO structures.

# Highlights from expert studies and EuroGEO Workshop 2025

# Conclusions of EuroGEO Workshop 2025 & Expert studies in the OneHealth

## Key highlights from EuroGEO Workshop 2025:

- A united push toward “Earth Intelligence” as Europe’s strategic vision
- **Clear alignment with GEO Post-2025 Strategy & implementation**
- **A community push for transition from prototypes to operations**
- Youth, startup & innovation emphasis



## Key gaps by JRC/KCEO-funded expert study:

- Create a collaborative cross-border network for controlling infectious diseases and develop a harmonized surveillance system
- Develop a comprehensive dashboard that integrates various climate and health indicators, leading to more effective implementations
- Enhance and upscale integrated early warning systems by expanding geographical coverage, new data, new diseases

For more information visit EuroGEO Action Groups [Expert Studies](#)

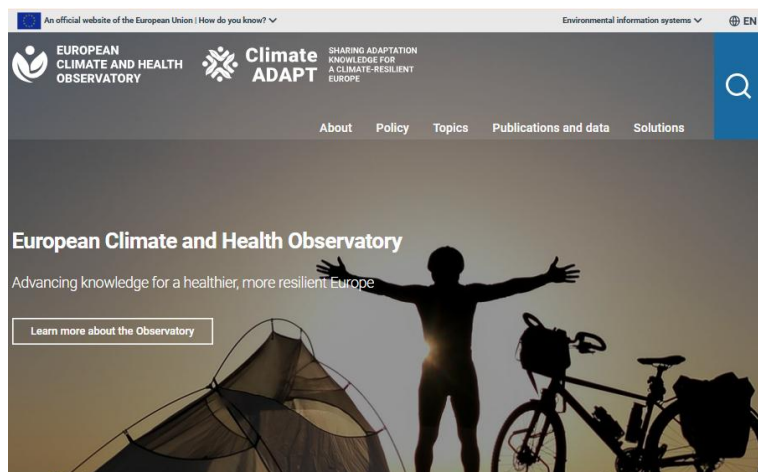
# Top highlights of 2025



# EuroGEO Highlights

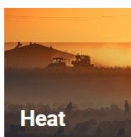
## Copernicus Health Hub

A collaborative platform where health and environmental science communities come together through the power of Copernicus Services, offering user-centred information on factors affecting citizens' physical and mental health and well-being.



### Discover the impacts of climate change on human health

Rising temperatures and extreme weather events pose increasing threats to our health and well-being. Learn about these risks and ways to address them.



Heat



Flooding



Infectious diseases



Mental health

[View all health impacts](#)



## European Climate and Health Observatory Climate-ADAPT

Aims to support Europe in preparing for and adapting to the impacts of climate change on human health by providing access to relevant information and tools. It also fosters information exchange and cooperation between relevant international, European, national, sub-national and non-governmental actors. Advertise the EU solutions building on Copernicus contributing to the European Green Deal and the EU4Health vision for a healthier European Union.

<https://eurogeosec.eu>



Funded by  
the European Union

# Strengthened EuroGEO Action Group in the One Health Sector



## Disasters, Climate & Health Action Group

### Showcases Maturity TRL 7-9

EWS, anthropogenic, climate and atmospheric predictions and impact of disturbances - **Vector - Water & Infectious** diseases – Exposure to **Heat Stress and CO<sub>2</sub>**, **Cardiovascular and Respiratory** Diseases due to air pollution

**Prioritize areas at risk – door-to-door actions - mitigation actions**

**Maturity Assessment** building on GEO-CRADLE GEO Enabling Mechanism

### Policy & Sector Support

Based on OneHealth mandate, the AG ensures collective collaboration between DG-SANTE, DG-CONNECT, DG-DEFIS, HADEA, ECDC, COPERNICUS, DestinE, and numerous stakeholders as Health practitioners, Veterinarians, Biologists, Hospitals, National Health Laboratories, Industry and Pharmaceuticals, Research and Academia (Medicine Schools), and IT sector

### Technology and Capacity Building Support

**Build Data Spaces** (entomological, epidemiological, environmental, meteo, climate, biodiversity, water and air quality)

**Engage a large AI/ GEN AI community** to advance epidemiological disease outbreak risks

**Scalable EWS** solutions serving operationally key stakeholders in EU, Africa, Asia, Latin America – **Serving > 15000 municipalities and 40M people**

**Capacity building** of stakeholders



Visit the website for more







# Key OneHealth Actions at the EU level (linked with EuroGEO)



EYWA (AI 4 Early Warning System for Mosquito Borne Diseases)

e-shape (EuroGEO Showcases: EYWA in Sub Sahara for Malaria)

E4Warning (**Eco-Epidemiological Intelligence** for Early Warning and response to MBD risk in Endemic and Emergence settings)

PLANET4HEALTH Translating Science into Policy: **A Multisectoral Approach** to Adaptation and Mitigation of Adverse Effects of **Vector-Borne Diseases, Environmental Pollution and Climate Change** on Planetary Health

TRIGGER SoluTions foR mltiGatinG climate-induced hEalth tReats

OneAquaHealth (Protecting **urban aquatic ecosystems** to promote One Health)

B-USEFUL User-oriented Solutions for Improved **Monitoring and Management of Biodiversity and Ecosystem services** in vulnerable EU Seas

ENHANCE Enabling **One Health Coastal Management** through advanced AI over Marine Copernicus and citizen science data

SPRINGS Supporting Policy Regulations and Interventions to Negate aggravated **Global diarrheal disease** due to future climate Shocks

TULIP **Community-based engagement** and intervenTions to **stem the spread of antimicrobial resistance in the aqUatic environments** catalysed by cLIimate change and Plastic pollution interactions

CitiObs Enhancing **Citizen Observatories for healthy, sustainable, resilient** and inclusive cities

MOSAIC Multi-site application of Open Science in the creAtion of healthy environments Involving local Communities





# EuroGEO related OneHealth Projects



NATURELAB : Nature based interventions for improving **health and well-being**

BCOMING : Biodiversity Conservation to Mitigate the risks of **emerging infectious diseases**

RESTOREID: Restoring Ecosystems to Stop the Threat Of Re - **Emerging Infectious Disease**

ZOE: Zoonoses Emergence across **Degraded and Restored Forest Ecosystems**

BEPREP: Identification of best practices for **biodiversity recovery** and public health interventions **to prevent future epidemics and pandemics**

GreenME: Advancing Greencare in Europe: an integrated multi-scalar approach for the **expansion of nature-based therapies to improve Mental health Equity**

EuPOLIS: Integrated **NBS-based Urban Planning** Methodology for Enhancing the Health and Well-being of Citizens: the euPOLIS Approach

FOCI: Non-CO2 Forcers and their Climate, Weather, Air Quality and Health Impacts

EXHAUSTION: Exposure to **heat and air pollution** in EUrope – **cardiopulmonary** impacts and benefits of mitigation and adaptation

PANTHEON: Pathways to(wards) **carbon neutrality** for climate, environment, **health** and socio-economic **co-benefits**

SYLVA A SYstem for **real-time obserVation of Aeroallergens** – Together with the EO4EU (AI-augmented ecosystem for EO data accessibility with Extended reality User Interfaces for Service and data exploitation)

DivAirCity: The power of **diversity and social** inclusion as a mean for **reducing air pollution** and achieving green urban nexus in **climate neutral cities**

# Potential collaborations with the GEO Health CoP on One Health topics

# Collaboration with CoP on One Health topics

## **Joint EO-enabled One Health early warning pilots**

Heat-health, vector-borne diseases, water quality, and air pollution exposure.  
(Example: co-developing *environmental drivers* datasets for disease modelling.)

## **Harmonisation of environmental–health indicators**

Co-develop standardised One Health related metrics for air, water, climate, and biodiversity impacts.

## **Shared data spaces & interoperability pathways**

Exploring ways to integrate EO-driven environmental intelligence with health surveillance systems in secure ways.

## **Capacity building across Regions as Africa, Asia, Americas, Pacific Islanding territories**

Hands-on training on EO tools for public health authorities, ministries, and epidemiological institutes.

## **Co-organisation of workshops & cross-community engagement**

Link EuroGEO pilots with GEO Health CoP practitioners, WHO Regional Office for Europe, ECDC, Africa CDC.



# GEO-CRADLE GEO Enabling Mechanism

## Engagement of large and skilled EO communities

Post-2025  
GEO WORK  
PROGRAMME



- The scientific communities in cooperation with the **IEEE-GRSS**
- The indigenous communities in cooperation with the **GEO Indigenous Alliance**
- The volunteer and societal communities in cooperation with **Humanitarian OpenStreetMap Team (HOT)**
- **UN Space-based Information for Disaster Management and Emergency Response (UN-SPIDER)**
- **Digital Earth Africa**
- **Digital Earth Pacific**
- **ERATOSTHENES Centre of Excellence**
- The private sector: **EARSC, EDGE, Healthsites**



INDIGENOUS ALLIANCE



Humanitarian  
OpenStreetMap  
Team



Digital Earth  
AFRICA



Digital Earth  
PACIFIC





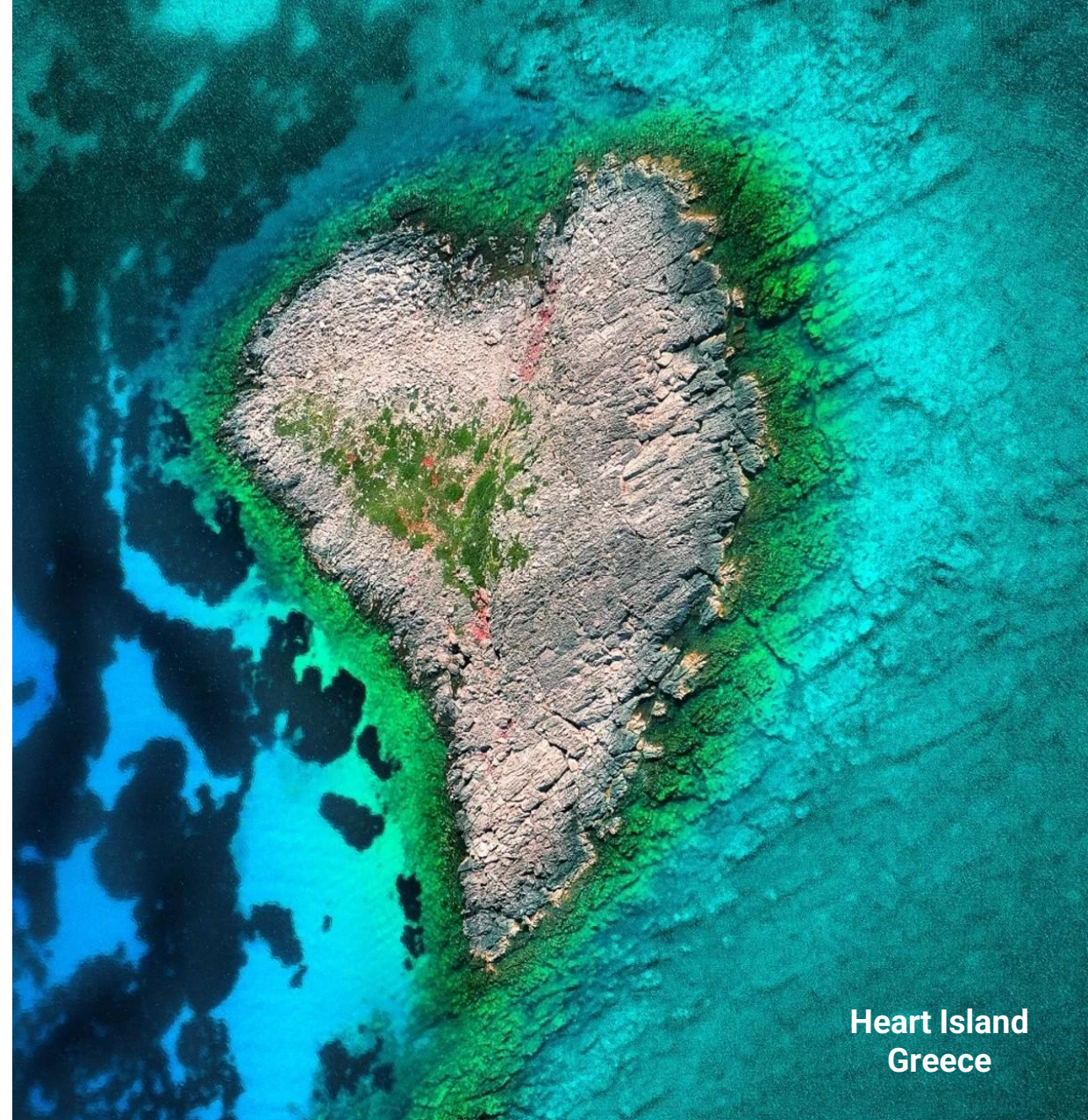
# THANK YOU!

**Haris Kontoes**



[kontoes@noa.gr](mailto:kontoes@noa.gr)

<https://www.eurogeosec.eu>



Heart Island  
Greece