Buildings & infrastructures displacements monitoring

e-geos
AN ASI / TELESPAZIO COMPANY
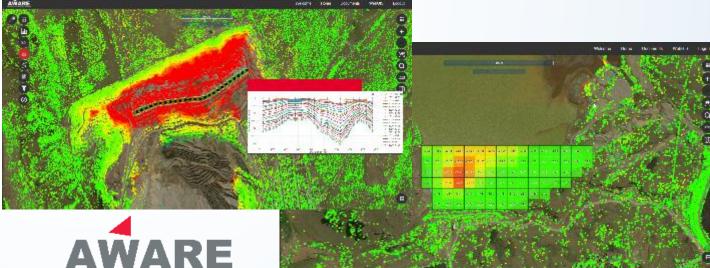
1 NO POVERTY

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

- User: Public authorities, utilities

- Challenge/Needs: improve resilience of buildings and infrastructures through their continuous monitoring for early detection of threats that can affect people safety or services provisions

- Initiative: e-Geos internal development based on the continuous refinement of e-GEOS proprietary Persistent Scatterer Pair (PSP) SAR interferometry technology and on a continuous feed of end users requirements for improving Aware platform functionalities

- Results: Aware platform provides with high precision and accurate positioning analysis of buildings and infrastructures through satellite interferometric analysis (PSP technique), Fast Movements analysis, GNSS services. AWARE returns the analysis through portal & toolbars, providing analysis & supporting tools to add further value to the geospatial data.

- Service Provider: e-Geos

Target 1.5 By 2030, build the resilience of the poor and those in vulnerable situations and **reduce their exposure and vulnerability to climate-related extreme events** and other economic, social and **environmental shocks and disasters**

Target 9.1 Develop **quality, reliable, sustainable and resilient infrastructure**, including regional and transborder infrastructure, to support economic development and human well-being

Target 9.4 By 2030, **upgrade infrastructure and retrofit industries to make them sustainable,** with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes

EARSC
European Association of Remote Sensing Companies

AWARE
Agile Watching of Assets and Resources

Heatmap On Points Density Generated On The Fly Over The Selected Area On A Selected Ps Dataset

References link: https://www.e-geos.it/#/hub/hubPlatforms/platform/platform-aware

1