

10 years of success in Earth Observation and a future in the space economy and AI for e-GEOS, JV between Telespazio and the Italian Space Agency

- **The company, an integral part of the space capabilities of Leonardo, is a leading player in the growing 'space economy', focusing its efforts on digitalization and artificial intelligence**
- **e-Geos's most recent results include the establishment of the *Artificial Intelligence Factory* and of *GeoHUB*, an innovation network developed together with technological hubs, universities, start-ups and research centres.**
- **Over the years e-GEOS has gained a leading position in Europe in the management of geospatial services in the Copernicus area, especially as regards to the activities associated with emergency management**

Rome, December 12th, 2019 - e-GEOS, the company set up by Telespazio (80%) and the Italian Space Agency (20%) celebrated its first 10 years of activity in the Earth Observation sector today in Rome.

During a forum and a round table, speeches were given by, amongst others, the Undersecretary of the Ministry of Cultural Heritage and Activities, **Lorenza Bonaccorsi**, the Undersecretary of the Ministry of the Environment and Protection of the Territory and the Sea, **Roberto Morassut**, the Undersecretary of the Ministry of Defence, **Angelo Tofalo**, the Military Adviser of the Presidency of the Council, Admiral **Carlo Massagli**, the President of the Italian Space Agency, **Giorgio Saccoccia**, the President of Leonardo, **Gianni De Gennaro**, the CEO of Leonardo, **Alessandro Profumo**, the Coordinator of the Leonardo Space Activities and CEO of Telespazio, **Luigi Pasquali** and the CEO of e-GEOS, **Massimo Claudio Comparini**.

e-GEOS was founded in 2009 thanks to an agreement between the Italian Space Agency (ASI) and Telespazio, a joint venture between Leonardo (67%) and Thales (33%), which contributed its own Earth Observation division for the company, with the aim of marketing the data generated by the Italian COSMO-SkyMed satellite radar constellation worldwide.

In less than a decade, e-GEOS experienced a significant growth of its activities to become one of the main international players in the field of geoinformation services. With the acquisition of GAF, a German company specialized in *land and forestry management services*, today e-GEOS operates from Rome, Matera and Neustrelitz and can rely on the capabilities and passion of over 500 professionals.

e-GEOS, an ASI (20%) / Telespazio (80%) company, is one of the leading international players in the space geo-information sector. e-GEOS offers a unique portfolio of application and data services, thanks to the superior monitoring capabilities of the COSMO-SkyMed system and to the access to multi-mission data coming from optical satellites, radars and aerial images. e-GEOS operates the Matera Space Centre in Italy and also, through its subsidiary GAF / Euromap the Neustrelitz (Germany) centre, where data from multiple satellites is received and processed, even for near-real-time monitoring. e-GEOS provides services and applications for environmental monitoring, specialized products for defence, intelligence and maritime surveillance, rush maps to support natural disaster management, interferometric products for landslides, ground subsidence analysis as well as thematic mapping for agriculture and forestry.

Massimo Claudio Comparini, CEO of e.GEOS, stated: "e-GEOS is a future-oriented reality in a sector subject to rapid changes and is an integral part of the development of a new space economy and of the digital transformation. Our company is no longer limited to delivering images acquired from space, combining them with added value; it evolves the services it provides towards products characterised by high information content and the world of *analytics*. For e-GEOS the future is already here today, and day after day we develop our worldwide activities thanks to the work of our teams and the support of our international partners".

e-GEOS, thanks to the development of proprietary algorithms and to the investments made in the digitization of its activities, integrates the broad spectrum of satellite data with the data generated by a multitude of sensors, a *big-data lake* from which significant information and indicators for a wide variety of sectors are extracted.

The services provided by e-GEOS, which are accessible online through *User Experience driven* modes, are dedicated to environmental protection monitoring, to the provision of rush maps for natural disaster management (**mapcy**), to Defence and intelligence products (**braint**), to maritime surveillance, oil spill and ship tracking services (**SEonSE**), to interferometric measurements aimed at controlling landslides, ground subsidence and infrastructure stability with integration of IoT sensors (**AWARE**), to thematic cartography for agriculture, forestry and *precision farming* (**AgriGeo**), to smart, resilient and sustainable services for urban areas (**UrbanGEO**), the most recent application, developed in 2019.

Among the latest *milestones* achieved by e-GEOS, there is the establishment, in 2018, of a Centre of competence on Data Analytics, which today has evolved into the company's *Geoinformation Artificial Intelligence Factory*, a place where innovation and experience in the field of Earth observation, as well as evolution in the use of new technologies, merge to develop new digital services.

GeoHUB, an innovation network launched in collaboration with technological *hubs*, Universities, start-ups and research centres, has come into being in 2019. Finally, the company created CLEOS, a digital infrastructure providing access to the whole spectrum of services. CLEOS is intended as the "*new digital marketplace*", which allows customers to take full advantage of the digital services of the platforms and developers to quickly define new environments making use of the capabilities of Artificial Intelligence for information extraction.