



Education, Diversity and Space Innovation: The Planetek Experience

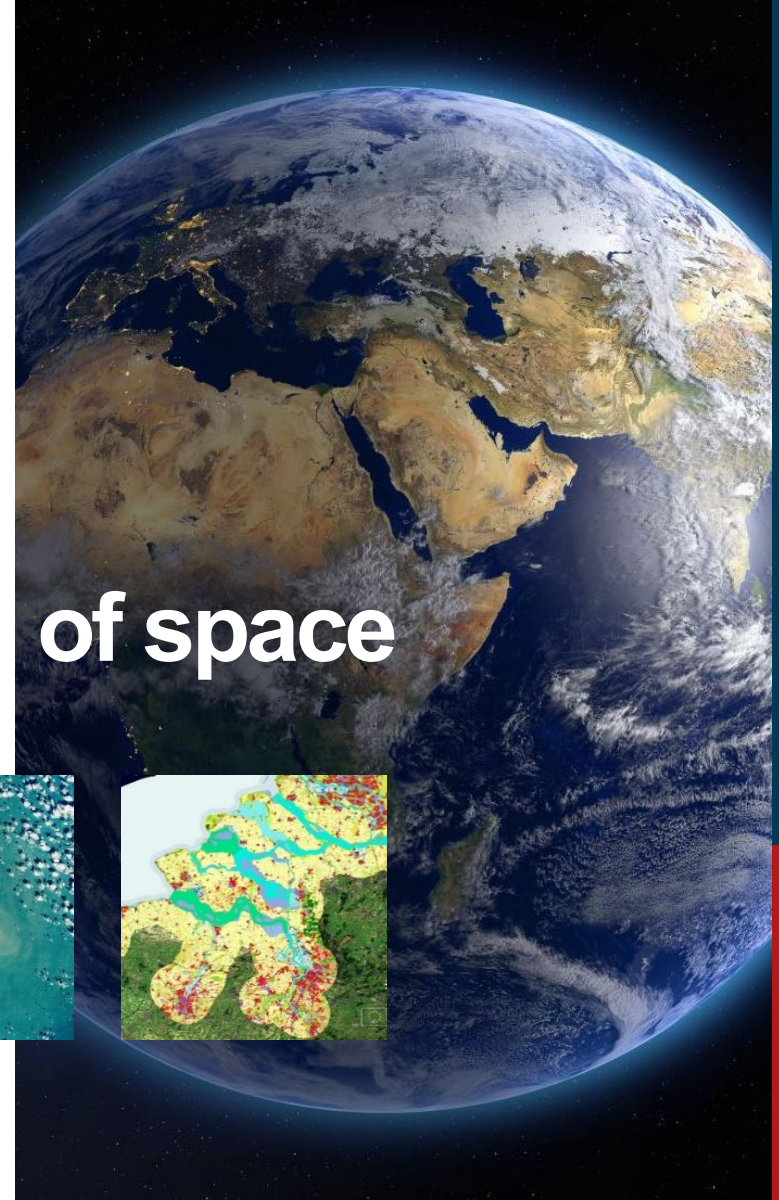
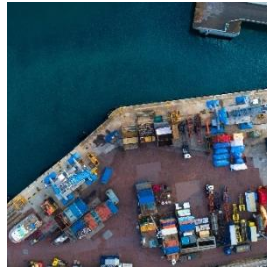
Francesca Albanese

Senior Business development specialist
Education & Corporate Academy



planetek
italia

simplifying the complexity of space





THE GROUP



planetek
italia

planetek
hellas



D-ORBIT
COMO, ITALY



D-ORBIT PORTUGAL
LISBOA, PORTUGAL



D-ORBIT US
BOULDER, CO, USA



D-ORBIT UK
DIDCOT, UNITED KINGDOM



PLANETEK ITALIA
BARI, ITALY



PLANETEK HELLAS
ATHENS, GREECE



GAP (Spinoff)
BARI, ITALY



GEO-K (Spinoff)
ROME, ITALY

Planetek Italia at a glance



Year **1994**



People **150+**

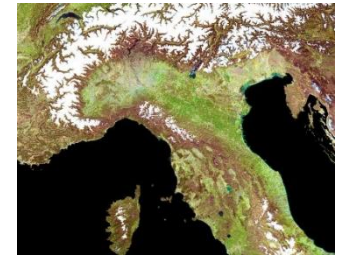


M€/y **30+**



What we do

- **Processing of satellite**, aerial, and drone data for cartography and geo-information.
- **Continuous Earth monitoring** with **satellite** data on cloud **HPC**, leveraging **AI** for advanced analytics.
- Design and implementation of **marketplace & downstream infrastructure** for space data and information management and sharing.
- Software engineering for **on-board** and **ground segment** EO mission operations.



Benefit Company

We are strongly committed to operate in a responsible, sustainable and transparent way towards people, communities, environment.



Memberships



Innovative SME



Copernicus Academy



Nereus-Regions



Space Weather Italian Community



Women in Aerospace



Armed Forces Communications & Electronics Association

EARSC

European Association
of Remote Sensing
Companies



European Association of Remote Sensing Companies



Geographical Information System International Group

SME4SPACE

European Space SMEs association



Association of Italian Space Enterprises



Apulian Aerospace Cluster



Apulian Aerospace District



Confindustria Bari e BAT

Women in Aerospace Europe

EMPOWERING ALL WOMEN, ON SPACE AND ON EARTH

REGIONAL NETWORK ROME



WIA is an international organization dedicated to promoting women's leadership and equal opportunities in the aerospace sector. Planetek supports the local group based in Rome, and organize local events in Apulia region



ABANO TERME | Teatro Pietro D'Abano | 7-8 MARZO
quarta edizione
DONNE
FRA LE STELLE
2025
IL RUOLO DELLA DONNA NELLA RICERCA
SCIENTIFICA AEROSPAZIALE

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SCIENTIFICA
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Business Units

3

- SpaceStream
- Government & Security
- Business to Business



Key Customers



Enterprises

Space

- Airbus Defence & Space
- Thales Alenia Space
- Telespazio / e-Geos
- OHB - CGS S.p.A.
- D-Orbit
- SITAEL
- INDRA

ICT

- KPMG, Exprivia, Almaviva, Engeneering – Municipia, Vitrociset

Energy

- Eni, Total, SAIPEM
- Terna, Enel / Enel Green Power

Transport

- ANAS, Italferr, Ansaldo STS, ADR – Aeroporti di Roma,

Multiutilities - water

- ACEA, Hera, IREN, AQP, MM, United Utilities, Veolia, SUEZ

Public Institutions - International

- ESA - European Space Agency
ESRIN, ESTEC, ESAC, ESOC, ECSAT
- UE - European Union Directorates
- UE - European Union Agencies
JRC, EEA, SatCen, GSA, EUSPA
- International Governments
USA, Chile, Saudi Arabia, France, Germany, Spain etc.

Public Institutions - Italy

- ASI - Italian Space Agency
- Italian Ministry
Environment, Defence, Agriculture
- Local Administrations
Regions, Provinces, Municipalities
- ISPRA - Italian National Institute for Environmental Protection and Research
- ARPA - Regional Agencies for Environment Protection
- IGM – Military Geographic Institute
- National Parks





expri^{via} planetek serco
italia

OSIRIDE - SOLUZIONI OPERATIVE PER IRIDE



IRIDE



MINISTRO
PER L'INNOVAZIONE TECNOLOGICA
E LA TRANSIZIONE DIGITALE



DIPARTIMENTO
PER LA TRASFORMAZIONE
DIGITALE



MINISTERO
DELL'ISTRUZIONE

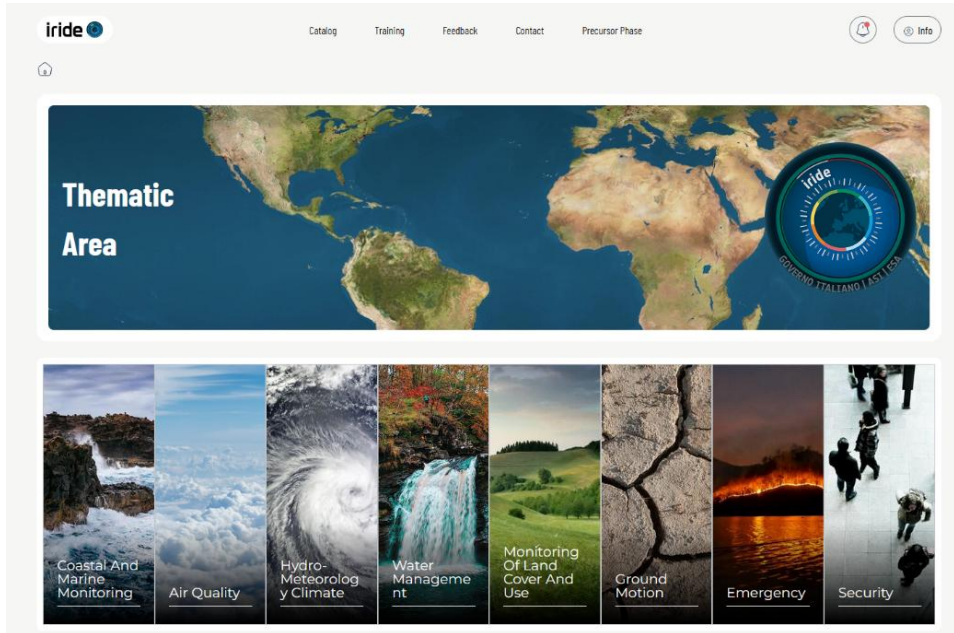


Agenzia Spaziale Italiana



IRIDE Service Segment

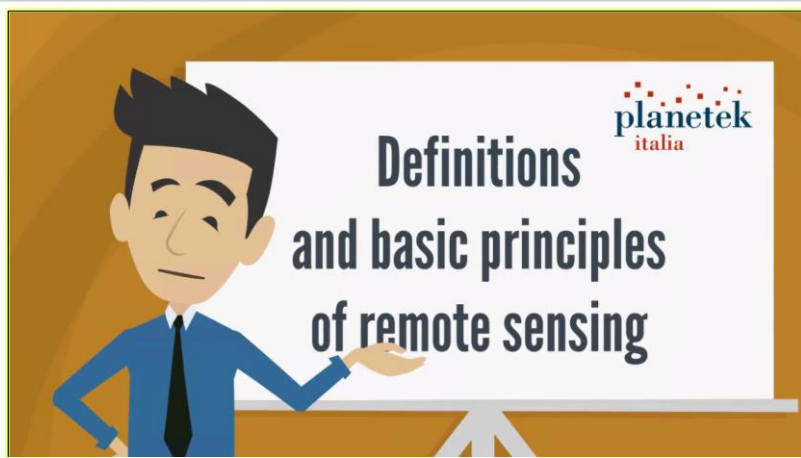
Domini Tematici



- Coastal and Marine Monitoring
- Air Quality
- Monitoring of land cover
- Water Resource Management
- Hydro-meteorology climate

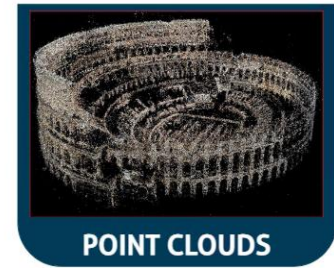
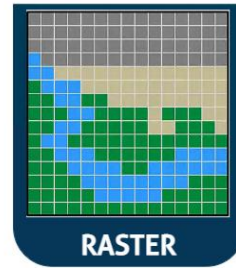
- Ground Motion
- Emergency
- Security

- 65 Service Value Chains
- 363 product lines
- 24.000 products/per year

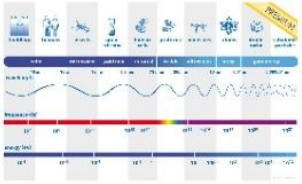


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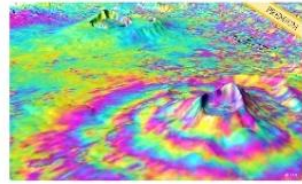
EO-Learning: free courses and resources on Earth Observation



Corso base di Telerilevamento



Elaborazione dei dati satellitari



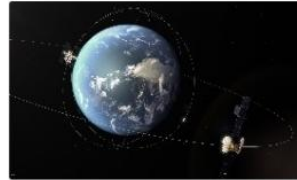
Telerilevamento Radar ad Apertura Sintetica (SAR)



IRIDE Service Segment Training



I dati satellitari



Le basi del telerilevamento



Lo Spazio per le Infrastrutture Viarie



European Coastal Flood Awareness System



EO - Utility

INQUADRA E VISITA IL SITO



<https://eolearning.planetek.it/>

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Thematic workshops



TELERILEVAMENTO SATELLITARE E MONITORAGGIO AMBIENTALE: STRUMENTI AVANZATI, INTELLIGENZA ARTIFICIALE E INNOVAZIONE

WORKSHOP
Aula Magna Oliveri - Edificio 4 - Università degli Studi di Catania
Dipartimento di Ingegneria Civile e Architettura
Giovedì 28 Maggio ore 8:30 - 13:30

• **PROGRAMMA** •

<p>START @ 8:30 Accoglienza e saluti introduttivi</p> <p>UNIVERSITÀ DI CATANIA, DICAR</p> <p>09:00 Monitoraggio da satelliti del temporale sul territorio italiano Dott. Paolo D'Amico</p> <p>09:15 Diavolo: Aerospaziale della Sicilia Prof. Giuseppe Musumeci</p> <p>09:30 Monitoraggio UAV dello stress idrico Prof. Antonio Caccalano</p> <p>09:45 Cellular Automata and Artificial Neural Networks for Change Analysis and LULC Prediction Dott.ssa Gennara Ganci</p> <p>10:00 Geometric Technologies for the Identification of Archaeological Remains Prof. Michele Manzi</p> <p>INOV Earth environmental monitoring using multi-source multi temporal satellite imagery Dott.ssa Gennara Ganci</p>	<p>10:45 An integrated multi-platform, multi-spectral infrastructure for near-real time monitoring of Italian volcanoes Dott. Simone Avard</p> <p>10:45 AI Powered volcanic SO₂ retrieval using MSG-SEVIRI and Sentinel-5P TROPOMI Dott.ssa Marielena Dioco</p> <p>11:00 Forecasting volcanic thermal states with LSTM and SGAN Dott. Francesco Spina</p> <hr/> <p>11:45 Planetek Italia e il gruppo D-Dist Dott.ssa Francesca Albanese</p> <p>12:00 Intervento Planetek Italia Dott.ssa Daniela Valentini</p> <p>12:40 Intervento Planetek Italia Dott. Corrado Pisani</p> <p>13:30 <i>Discussione finale e Q&A</i></p>
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Università
di Catania

planetek
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A PLANETEK GROUP COMPANY

ISTITUTO NAZIONALE
DI GEOFISICA E VULCANOLOGIA

High schools projects



Touching the Sky

Planetek supported International project promoted by the IIS “Ciampini-Boccardo” school in Novi Ligure, in collaboration with Wallace High School in Stirling (Scotland) and Learn Afghan (Afghanistan).

The Guardians of Space



An educational initiative for children hospitalized in pediatric clinics, discovering Earth Observation satellites and space technologies.

Target Memberships in Education field



<https://www.space4geo.eu/>

Overview



- ERASMUS+ Blueprint project **for the development of innovative resources for education and training to bridge the gap between the supply and demand of skills** in the ever growing downstream space sector.
- Integrating **28 partners**, including 3 affiliated entities, from Academia, VET providers, associations of governments, and representatives of industry companies.



International
edition

Environmental
Intelligence
for
Cultural
Heritage
and
Health

BOLOGNA 8/10 MAY 2026
HACKATHON2026

SUPPORTING RESEARCH AND FUTURE SPACE SKILLS

Planetek invests in knowledge and young talent by funding **Industrial PhD programmes** in collaboration with leading Italian universities.



7

**PHD PROGRAMMES
ACTIVE**
funded by Planetek

IN PARTNERSHIP WITH



UNIVERSITY OF BARI
ALDO MORO



SAPIENZA
UNIVERSITY OF ROME



UNIVERSITY
OF PALERMO



POLYTECHNIC
UNIVERSITY OF BARI



Together with our academic partners, we promote **innovative research**, foster **new competencies** and build the talent needed for **tomorrow's space challenges**.

TOGETHER, we turn space data into a better future for our planet and future generations.

Education, diversity and innovation
are the keys to building a sustainable,
inclusive and resilient world.



EDUCATION



DIVERSITY &
INCLUSION



INNOVATION



SUSTAINABILITY



COLLABORATION

✉ albanese@planetek.it