

Let's Space!



Agenzia Spaziale Italiana

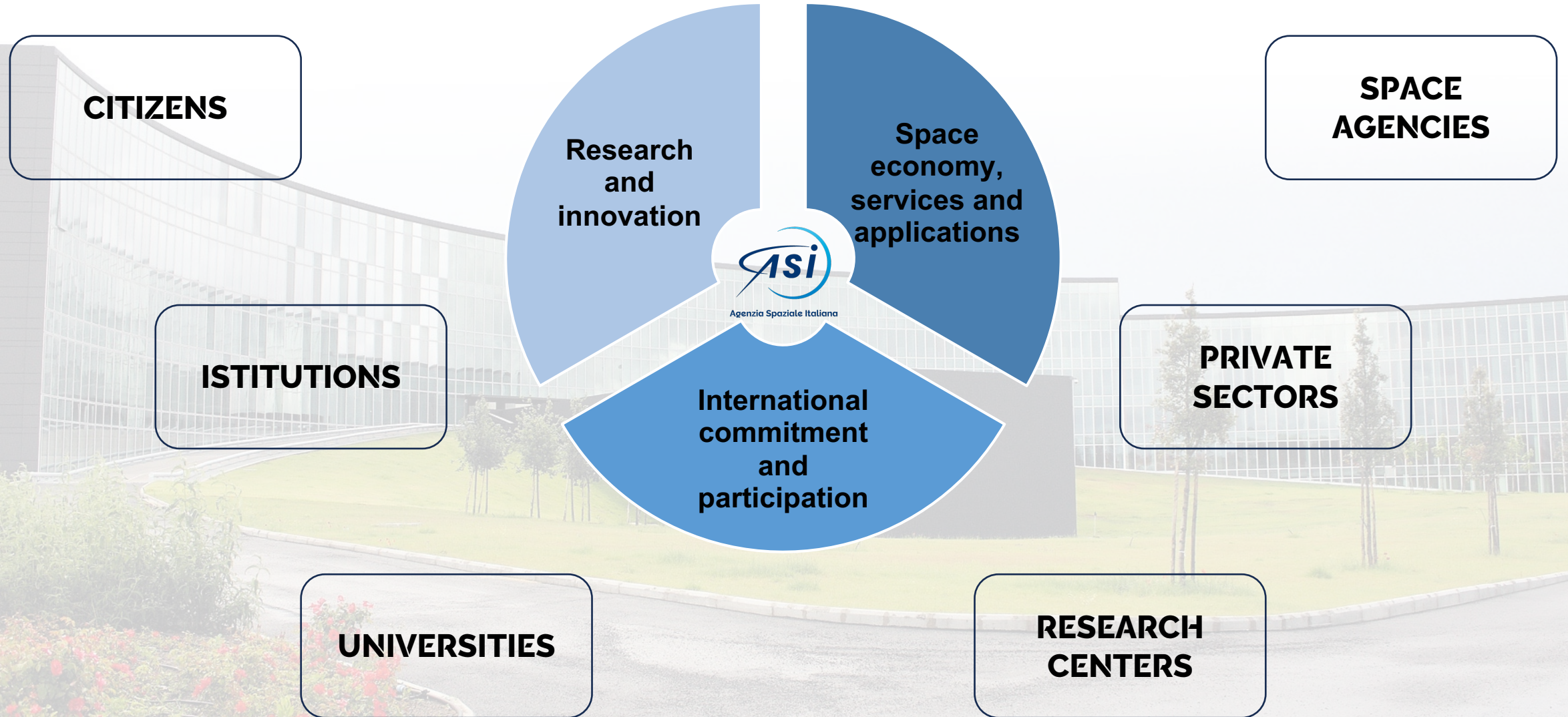
Research project proposals to progress on the path of Space knowledge

Italian Space Agency (ASI, Rome, Italy)

Valerio Vagelli / Deodato Tapete



The Italian Space Agency



Italian Space Activities



ASI space centers

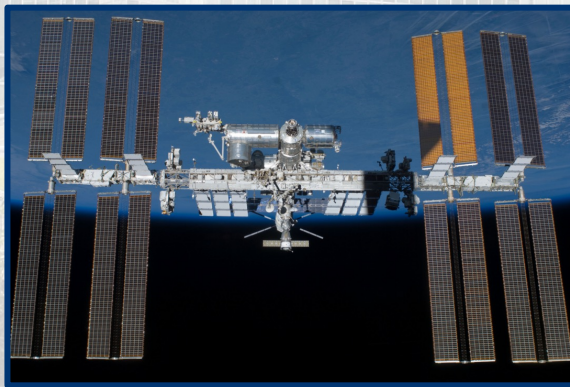


Agenzia Spaziale Italiana

ASI headquarters (Rome, IT)



R&D and research planning/execution with ASI researchers/technologists



International Space Station

ISS facility exploitation through ASI/NASA MoU

SARDINIA DEEP SPACE ANTENNA – SDSA ▶

The Sardinia Deep Space Antenna (SDSA) is the new ASI's scientific unit located in San Basilio, Cagliari.

“LUIGI BROGLIO” SPACE CENTER ▶

The "Luigi Broglio" space center in Malindi, Kenya.

“GIUSEPPE COLOMBO” CENTER FOR SPACE GEODESY ▶

The main ASI operation center, located in Matera

SPACE SCIENCE DATA CENTER – SSDC ▶

The ASI center for the management and analysis of scientific data

+ access to variegated R&D and research national/international facilities via agreements and MoU with research institutes

ASI research activities (a non-comprehensive snapshot)



ASI national industrial and research stakeholders

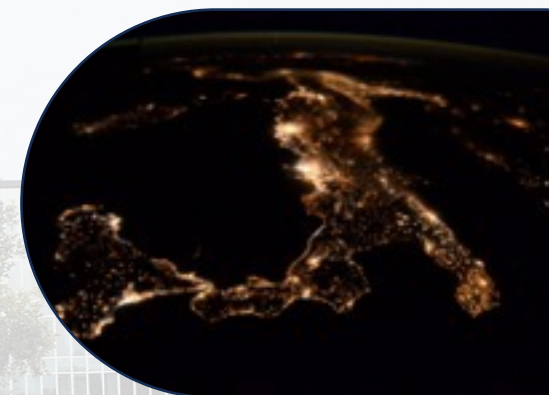


International collaboration frameworks

- ASI sponsor and supports the participation to EU activities in space and aerospace
- Third largest contributor to ESA programs
- Research collaborations with international space agencies (NASA, JAXA, CSA, ...)

Access to the whole space supply chain

- + 200 Space companies, 12 Technology clusters
- Products, Services, Applications and Technologies transferr
 - New Space economy programs

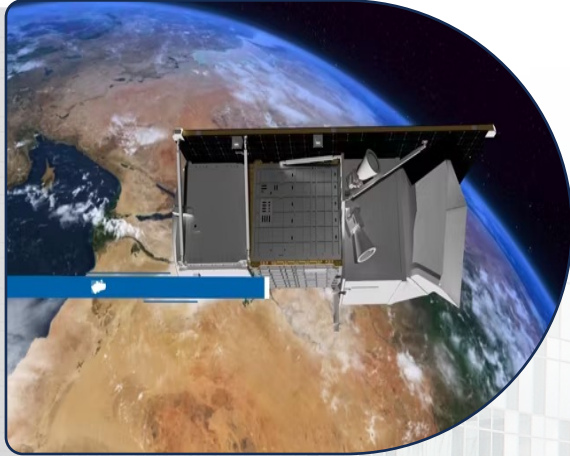


Research and R&D collaborations with research centers and Universities

- Research agreements with Universities and research centers (e.g., INAF, CNR, INFN, ...)
- Strong net for close collaborations with academy and research groups
- Frontier laboratories, equipments and investigations

ASI MSCA Hosting Offers (1/2)

Earth observation from Space



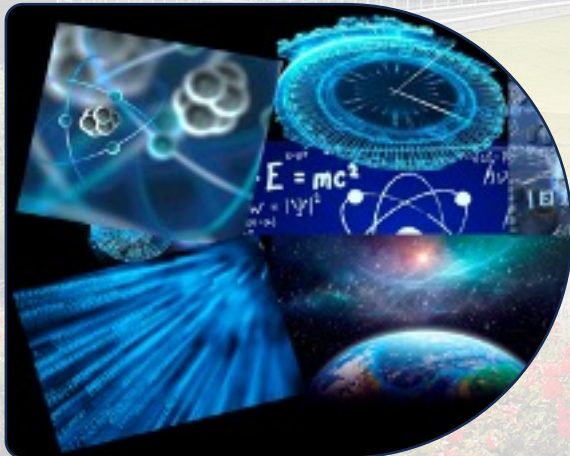
Application of Hyperspectral PRISMA data: from CO₂ and CH₄ retrieval to the future perspective in Hazard Assessment

Dr. Paola Manzari / Dr. Maria Pedone

Integration of multi-sensor data from satellite, airborne and ground-based sensors for point-wise gas emission sources in natural and urban environments

Dr. Mario Siciliani de Cumis / Dr. Deodato Tapete

Space program planning

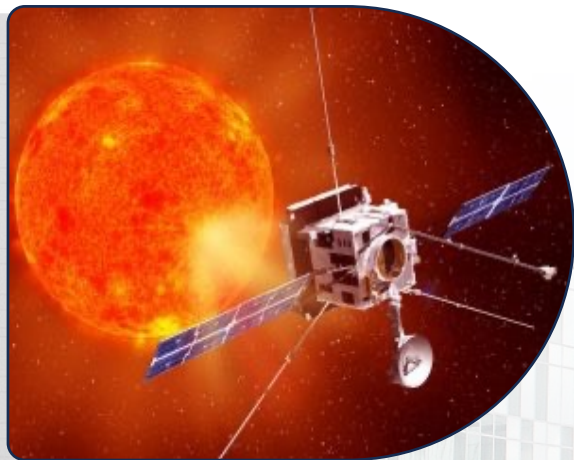


Cost analysis for complex space systems and space missions

Dr. Claudia Facchinetti / Dr. Raffaella Feltrin

ASI MSCA Hosting Offers (2/2)

Solar System, Space Weather and Exoplanet Climatology



The dynamics of small-scale magnetic fields in the solar atmosphere over a solar cycle

Dr. Marco Stangalini

Machine Learning for Automation in Data Selection onboard Space Missions

Dr. Denise Perrone

Exo-climatology by means of ExoplAn3T-ARTECS interconnection

Dr. Angelo Zinzi

Fundamental Physics and Cosmology



Spectroscopy studies at millimeter wavelengths: constraining the evolution of the Universe with CMB spectral distortions

Dr. Gianluca Polenta / Dr. Gemma Luzzi

Research programs to advance in the frontiers of astroparticle physics in space

Dr. Valerio Vagelli / Dr. Matteo Mergè

Let's Space!

Research project proposals to progress on the path of Space knowledge

ASI offers the opportunity for hosting MSCA postdoctoral european fellowships on a wide spectrum of **frontier research** to advance in the field of **Universe, Space** and **Earth** sciences.

- Close collaborations with ASI expert supervisors to enhance the **quality of the research** programs and of **knowledge transfer**
- Access to ground/space research **infrastructures** to extend the program objectives and impacts
 - Training on strategic fields for improved **international career perspectives**

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