

S A T L  N T I S



GEI-SAT Precursor for Copernicus Contributing Mission

CAT 1 for Atmospheric Composition Domain

11th June 2024
ESA ESRIN, FRASCATI

Who We Are



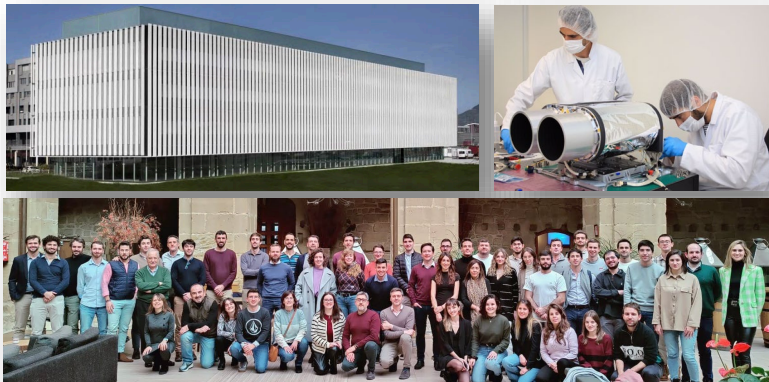
We build **Small Sat Full Solutions**, around the **space-validated iSIM-**technology, to answer **End-users' problems and challenges (e.g., GHG)**



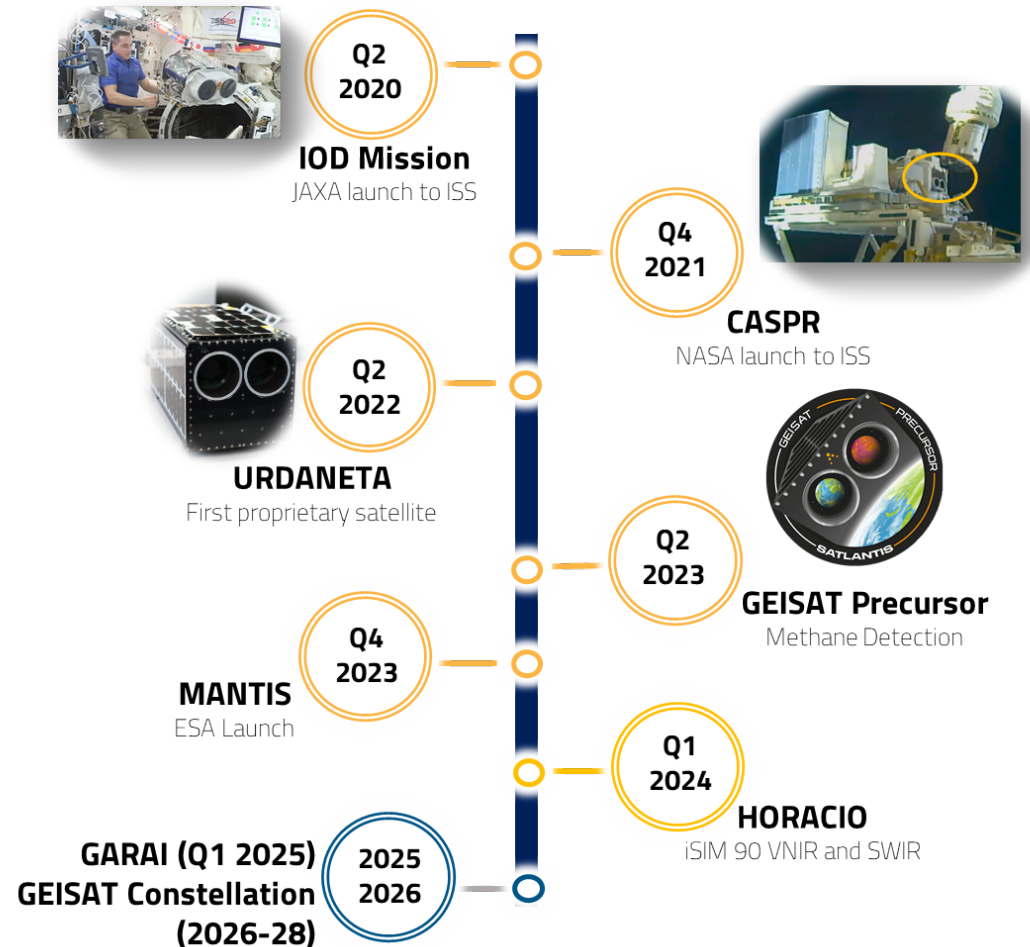
Private Investors

Public Support

SATLANTIS is a global leader in **high-performance** small satellites for **Earth Observation**



SATLANTIS - EO Missions



CH4 Constellation & Strategic Roadmap



GEISAT CONSTELLATION: Multipurpose missions including Cubesats and Microsats

GEISAT Precursor – Innovation Capacity

ULTRA-HIGH RESOLUTION ALGORITHM

VNIR & SWIR Spatial Resolution enhancement without AI

MULTISPECTRALITY

Ability to capture multispectral data with same resolution

AGILITY

Continuous monitoring of non-linear structures on the ground

Simultaneous OBSERVATIONS

Simultaneous observations in VNIR and SWIR with methane measurements

TECHNOLOGY EVOLUTION

EXTENDED SPECTRAL CAPABILITIES

Extended SWIR bands up to 2.5 μm

ON-BOARD PREPROCESSING CHAIN

Reduce data latency

POLARIMETRY

Mitigation of background and aerosol effects

IMPROVED IMAGE RESOLUTION

Exploring new payloads with sub-metric resolutions

MWIR and LWIR payloads

SuperSharp capability up to MWIR & LWIR by Q1 2025



GEISAT Precursor

16 CubeSat + iSIM 90 VNIR SWIR
VNIR(2m) + SWIR (4m) + Methane
(13m) up to 1700 nm

June 12th, 2023

Q4 2024 / Q1 2025

March 4th, 2024

2026



HORACIO

16 CubeSat + iSIM 90 VNIR SWIR
VNIR(2m) + SWIR (4m) +
Methane (13m) up to 1700 nm

GARAI (two microsattellites)

iSIM 90 VNIR SWIR+ iSIM 170 VNIR
Improved resolution up to 1700 nm

Additional Microsats

Extended spectral capabilities
SWIR extension up to 2.5 μm ,
MWIR, LWIR

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