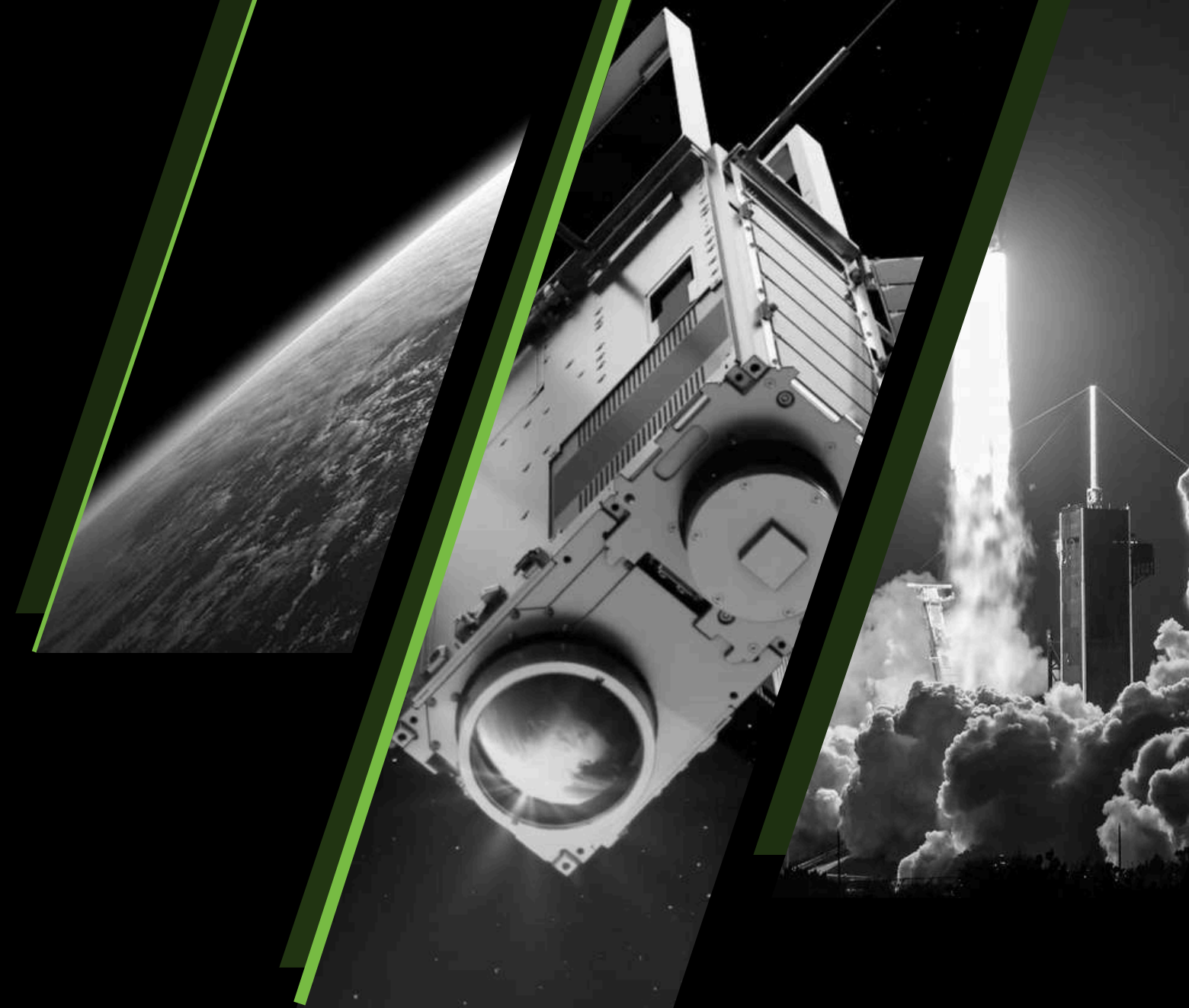




STATE OF THE ART

EARTH **OBSERVATION**

A PRESENTATION OVERVIEWING EARTH
OBSERVATION COMPANY ACTIVITIES



Aerosols

SOURCE



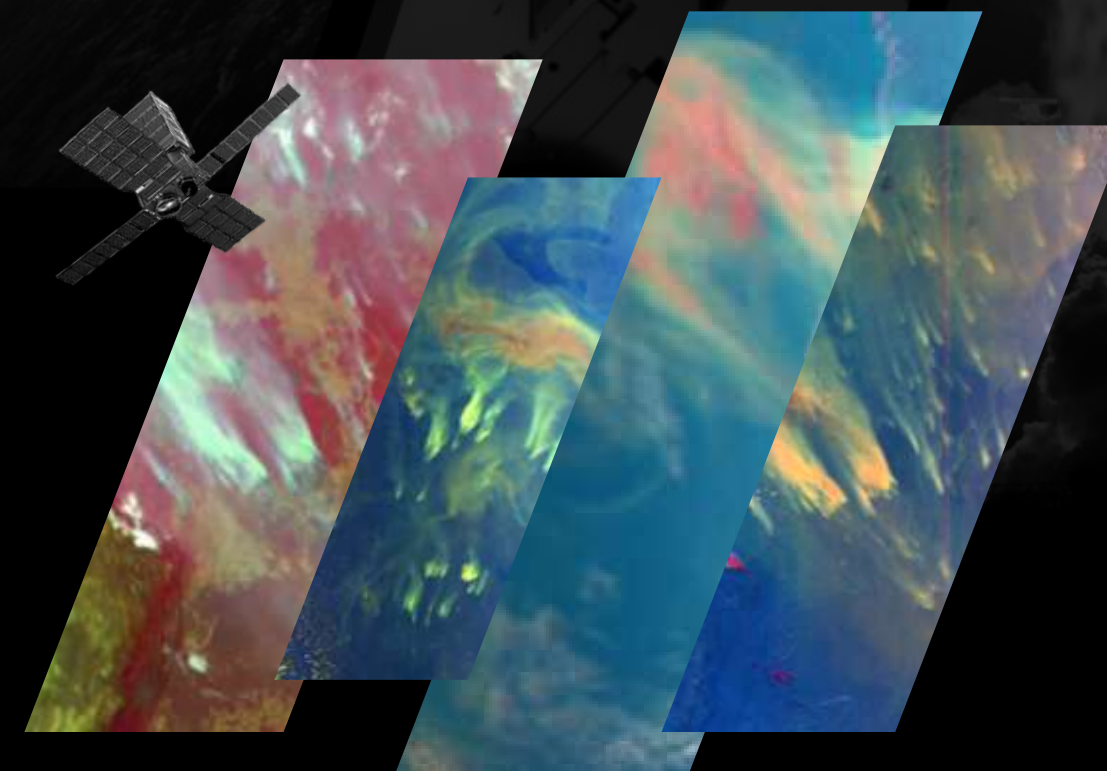
*Anthropogenic & Natural
sources*

IMPACT



*Human Health, Climate &
Human activities*

TECHNOLOGY



*Multi-angular polarimetry
observations*

Activity

GEOPHYSICAL
ATMOSPHERE AND SURFACE
PRODUCT DEVELOPMENTS

SOFTWARE

Inversion algorithms for the
retrieval of atmosphere and
surface properties.

Operational product for
Sentinel-4, 3MI and CO2M

HARDWARE

Ground-based remote sensing and
in-situ instruments for air quality
monitoring.

Space payload
developments.

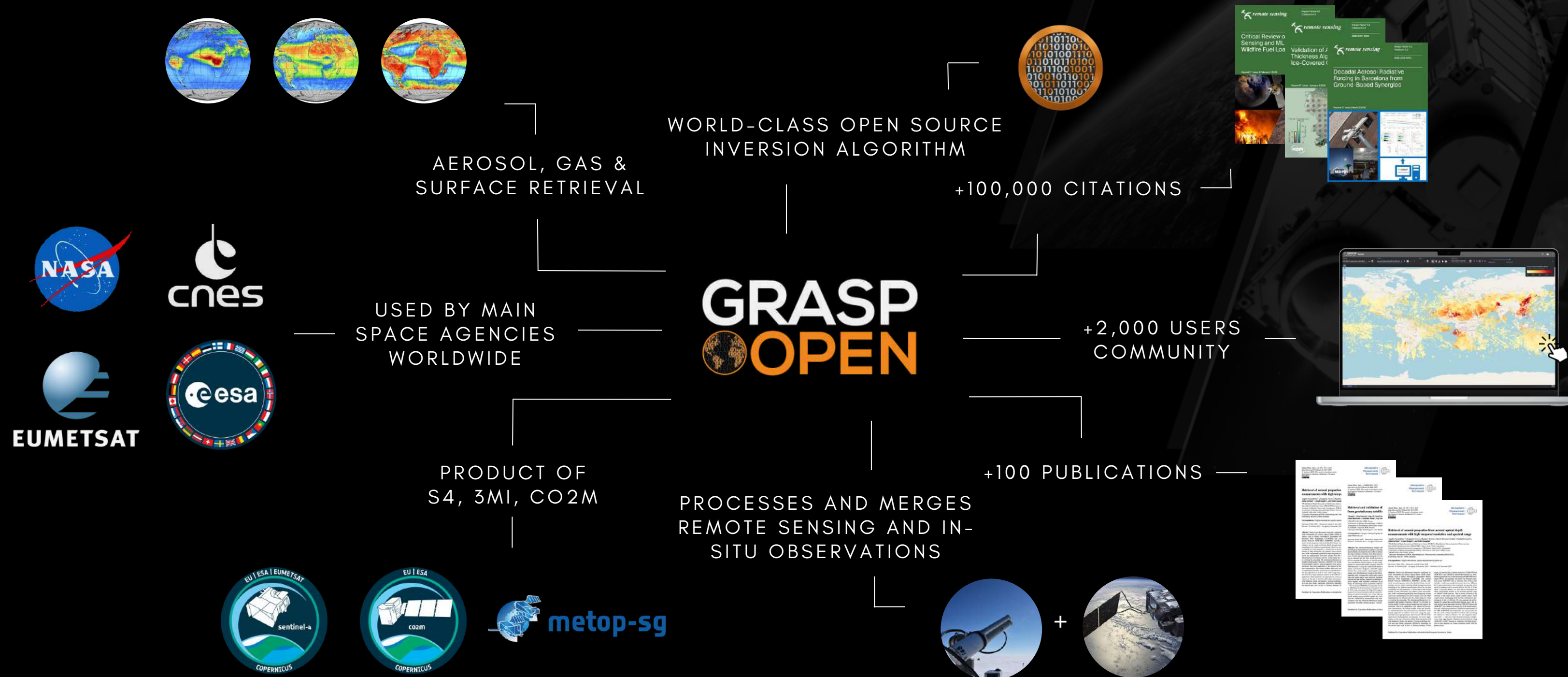
SATELLITE OPERATOR

Deployment of a x10 cubesat
constellation for the monitoring
of atmospheric pollution.

TRL9 tested
GAPMAP, 2023

DEEP EXPERTISE IN
REMOTE SENSING FOR *EO* &
ENVIRONMENTAL SCIENCES

Software



Hardware



REMOTE SENSING

RAMAN LIDAR
ELASTIC LIDAR
SUN-SKY-MOON PHOTOMETER
RADIOMETER

IN-SITU

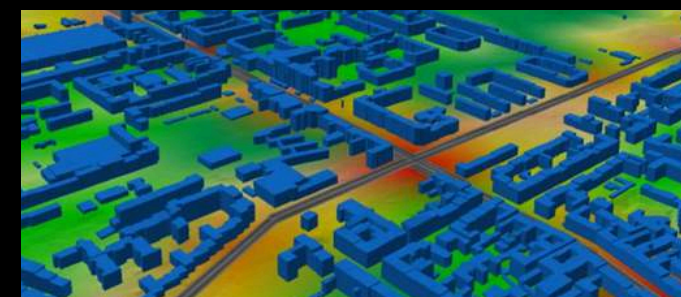
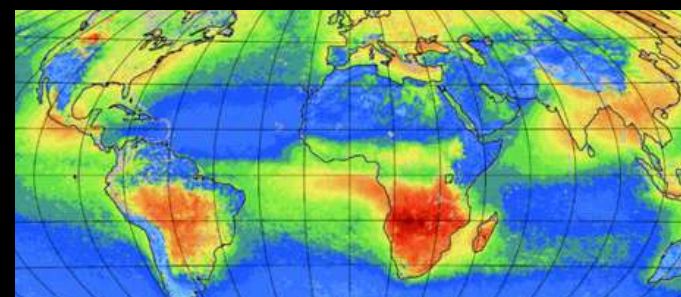
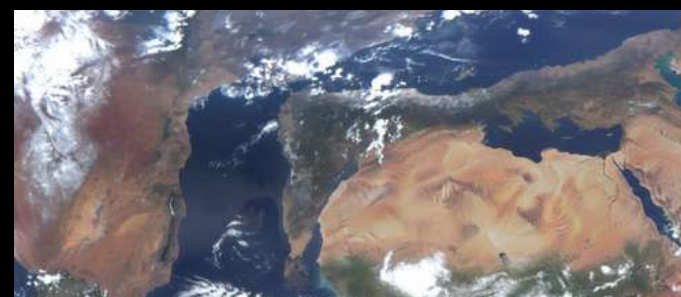
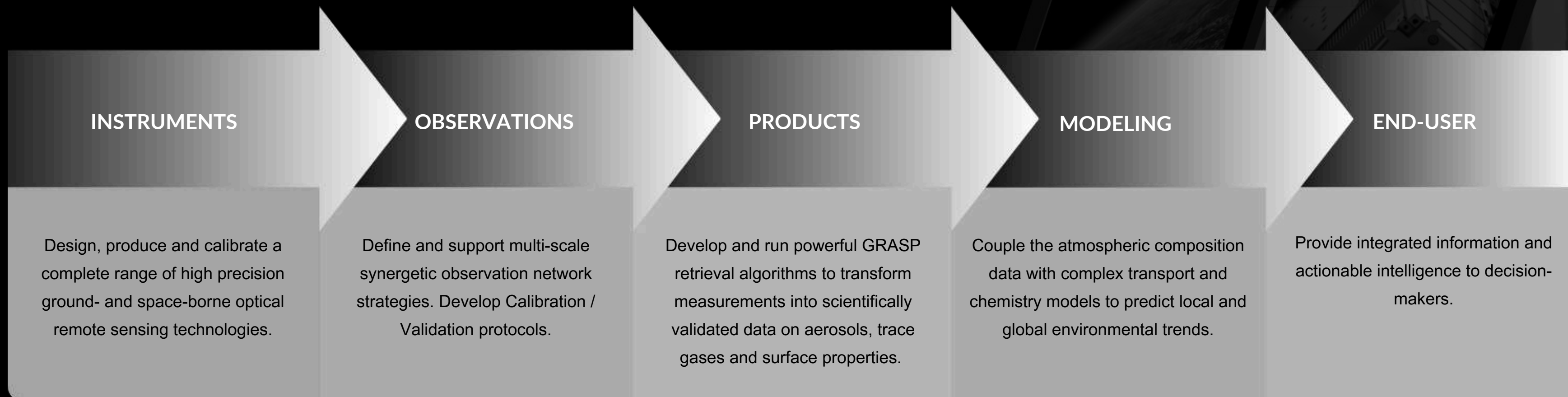
INTEGRATING NEPHELOMETERS
POLAR NEPHELOMETERS
POLAR IMAGING NEPHELOMETER
SAMPLING STATIONS

PAYLOADS

MULTI-ANGULAR POLARIMETER
SPECTROMETER

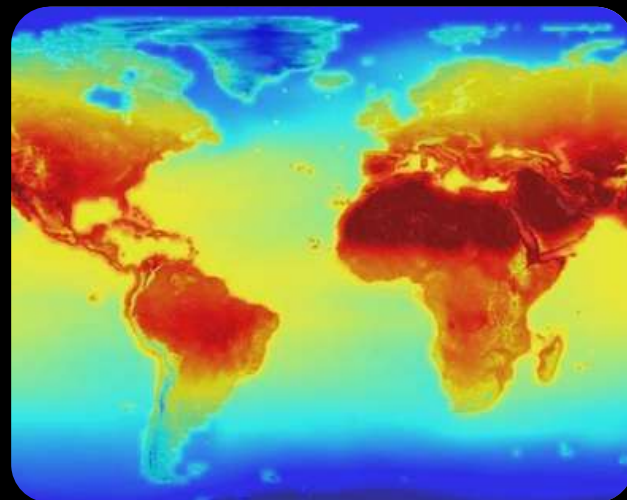
Operations

END-TO-END VALUE CHAIN OF ATMOSPHERIC COMPOSITION



Applications

SCIENTIFICALLY VALIDATED, NEAR REAL-TIME DATA FOR EO AND ENVIRONMENTAL DECISIONS



CLIMATE SCIENCES



URBAN AIR QUALITY



INDUSTRIAL EMISSION
CONTROL



METEOROLOGY



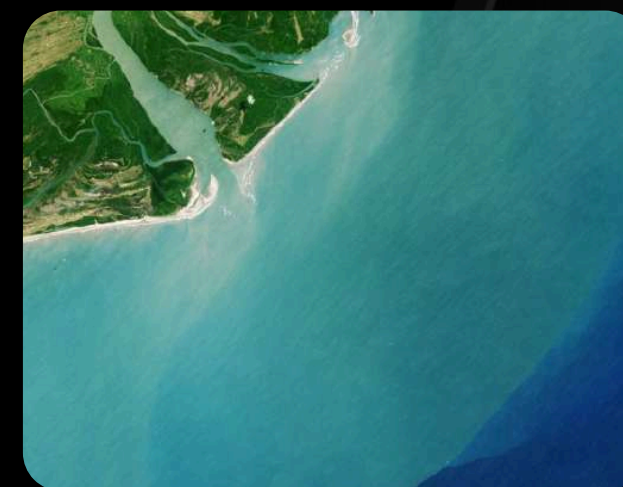
DISASTER MANAGEMENT



AERONAUTICS



SATELLITE CALIBRATION



WATER QUALITY



AGRICULTURE AND FOREST

Products & Services

SCIENTIFIC RIGOR TO SUPPORT YOUR PROJECTS

INSTRUMENTS & SOFTWARE



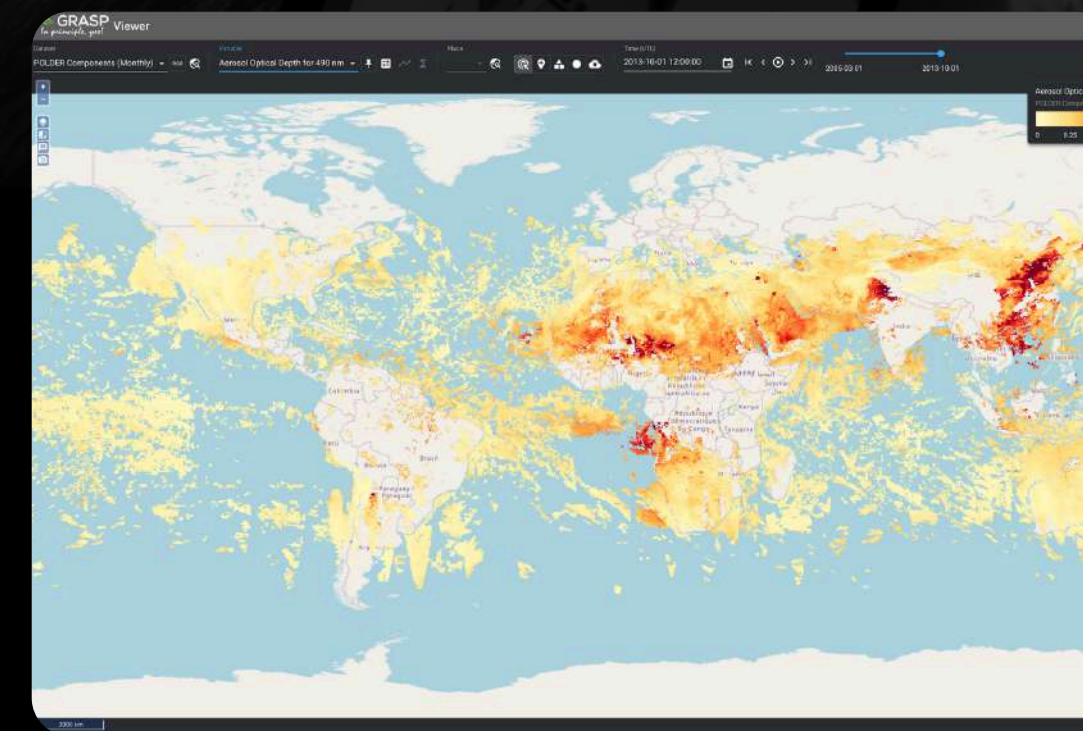
Ground-based in-situ & remote sensing instruments • Space-borne sensor payloads. • Data processing and inversion software.

PROJECTS & EXPERT SUPPORT



Algorithm development, validation and performance assessment (cal/val) • Scientific and technical project leadership • Expert consulting and mission support.

DATA & OPERATIONAL SERVICES



Multi-instrument data processing and cross-calibration. • Proprietary data products • Integrated ground & satellite observation and forecast services.



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