

GHG observations from Space – the ESA-Japan cooperation

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Historic & long-lasting partnership



→ ESA & Japan →

a continuously growing, strong collaboration

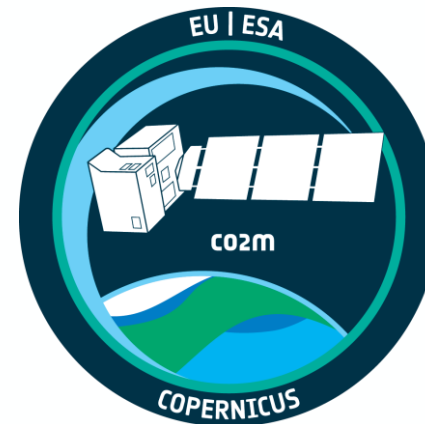
EU-Japan **Copernicus cooperation** group
with strong focus on greenhouse gases



ESA-JAXA collaboration resulted in 2024 in the launch
of the joint **EarthCARE** mission

JAXA represented in Mission Advisory Group of the
Copernicus CO₂ Monitoring Mission

In 2024, we jointly signed the **Framework Agreement** for strategic partnership on
climate action



Joint efforts in engaging with **IPCC, UNFCCC & COP**

ESA & JAXA strongly collaborate internationally, like in **Committee on Earth Observation Satellites**

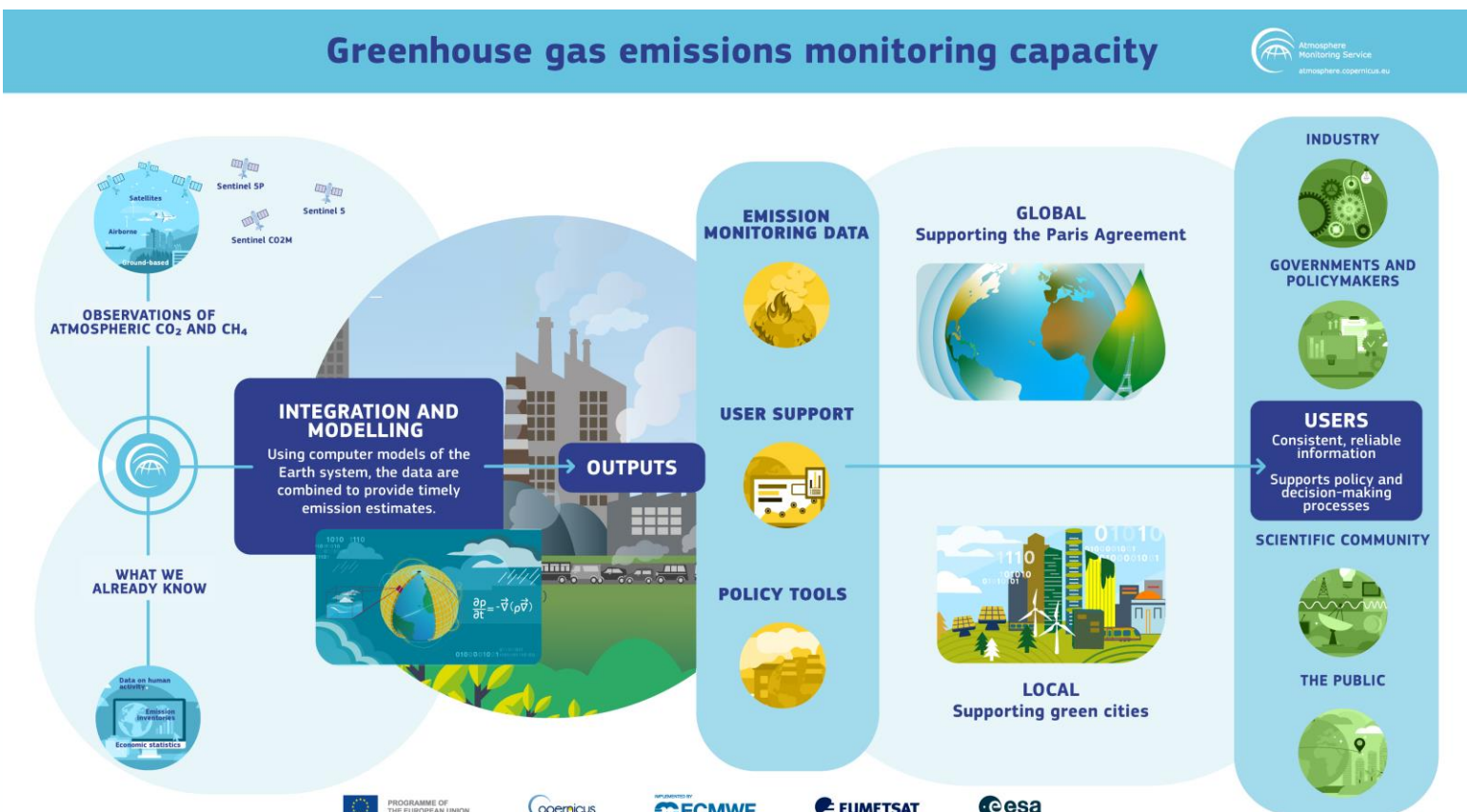
JAXA was 2024-2025 chair of CEOS Strategic Implementation Team and ESA strongly supported the JAXA priorities on GHG Monitoring and Climate Action

Jointly with NASA, we circulated the annual workshop on GHG from space between Europe, Japan and Americas



Japanese & European teams closely collaborate to maximise the usage of greenhouse gas products from GOSAT-GW and Copernicus (Sentinel-5P, Sentinel-5, CO2M)

New development of Japanese GHG Center will be strongly supported with European expertise





biomass
cci

Biomass from Space



- Version 6 with global AGB maps in 2007, 2010 and annually from 2015 to 2022 in cooperation with



- Consistency: a decade of change



ESA – JAXA
Framework Agreement for a
Strategic Partnership on Climate Action
Signature Ceremony
25 June

living planet symposium | VIENNA
23–27 June 2025

FROM OBSERVATION
TO CLIMATE ACTION
AND SUSTAINABLE
DEVELOPMENT
FOR EARTH

#LPS25

