



## ESA latest developments and plans since CGMS-48

CGMS-49 plenary, agenda item 2

**Covid-19:** no major impact on operations; up to 3 months delay on some ongoing developments.

## Copernicus Sentinels

- 8 satellites in orbit incl. **S-3A** and **B**, **S-5P** and **S-6A MF** (21 Nov. 20).
- **S-6B** (Dec. 2025) + **S-4** and **S-5** instruments in develop. (see slide # 4).
- **S-3C** and **S-3D** (last launch in 2025-2028 - tbc), S-1C, S1D, S-2C, S-2D.
- 6 Copernicus Expansion missions incl. **CIMR**, **CO2M**, and **CRISTAL** (phase B2/C/D/E1).
- Copernicus Next Generation: S-1 NG (soon ph. A/B1, CMIN22), S-3 Topo NG (ph.0, CMIN22), S-2 NG + S-3 Opt. NG (soon ph.0, CMIN25), S-6NG (ph.0, CMIN25).

## Earth Explorers

- **SMOS, CryoSat, Swarm, Aeolus** in orbit
- **EarthCARE** (2023), **BIOMASS** (Aug. 23), **FLEX** (Oct. 24)
- **FORUM** (2026; phase A/B1; bids B2/ C/D & E1 up 18 May 21)
- **Harmony** (phase A)
- **EE-11** (2031-32): 15 proposals under evaluation

## ESA Climate Change Initiative

**16 ECVs out of 23 handed over to Copernicus Climate Change Service (C3S) for operational use.**

## Earth Watch

- ongoing activities incl. **Aeolus Follow-On** (phase A2/B1, programme proposal at CMIN 22), **Arctic Weather Satellite** (launch Q1 2024), **ALTIUS**

## EUMETSAT satellites & instruments

**12 satellites + 5 instruments being developed by ESA for EUMETSAT**

**MTG: 6 satellites + 2 Sentinel-4 instruments** (last launch in 2032)

- 4 MTG-I and 2 MTG-S sat. + 2 Sentinel-4 instr. (on MTG-S)

**Metop-SG: 6 satellites + 3 Sentinel-5 instruments** (last launch in 2037)

- 3 Metop-SG-A and 3 Metop-SG-B satellites + 3 Sentinel-5 instruments (on Metop-SG-A)