

An Update on EUMETSAT Programmes and Plans

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on behalf of EUMETSAT teams



Current EUMETSAT satellites

METOP-A (98.7° incl.)

EUMETSAT POLAR SYSTEM

Kept in its nominal mid-morning sun synchronous orbit at 817km altitude as part of the EUMETSAT Polar System (EPS)

METOP-B (98.7° incl.)

EUMETSAT POLAR SYSTEM

Successfully launched into low Earth orbit on 17 September 2012. Same orbital plane as Metop-A, phased 48.92 min. apart. Prime satellite since April 2013.

METOP-B

Sentinel-3A (98.65° incl.)

OCEAN AND LAND OBSERVATION SURFACE TOPOGRAPHY

Launched 16 February 2016 in sun-synch. Orbit EUMETSAT operates the mission and provides marine service

JASON-2 (66° incl.)

OCEAN SURFACE TOPOGRAPHY

Kept in its nominal non-synchronous low Earth orbit at 1,336km altitude, in support of the Ocean Surface Topography Mission.

JASON-3 (66° incl.)

OCEAN SURFACE TOPOGRAPHY

Kept in its nominal non-synchronous low Earth orbit at 1,336km altitude. Interleaved orbit with Jason-2.

METEOSAT-11

METEOSAT-10

METEOSAT-9

METEOSAT-8

METEOSAT-11 (3.5° WEST)

FULLY COMMISSIONED

Launched in July 2015. Fully commissioned. In-Orbit storage at 3.5° W.

METEOSAT-10 (0°)

METEOSAT FULL DISC IMAGERY

Prime Meteosat full disc imagery service over the European continent, Africa and parts of the Atlantic and Indian Oceans from 0° longitude.

METEOSAT-9 (9.5° EAST)

RAPID SCANNING SERVICE (RSS)

Positioned at 9.5° East delivering the Rapid Scanning Service (RSS) over Europe and adjacent seas.

METEOSAT-8 (41.5° EAST)

Indian Ocean Data Coverage

Operated in support of the Indian Ocean Data Coverage (IODC) mission, in the frame of an International Cooperation

METOP-A

Current EUMETSAT satellites

METOP-A (98.7° incl.)
 EUMETSAT POLAR SYSTEM
 Kept in its nominal mid-morning sun synchronous orbit at 817km altitude as part of the EUMETSAT Polar System (EPS)

METOP-B (98.7° incl.)
 EUMETSAT POLAR SYSTEM
 Successfully launched into low Earth orbit on 17 September 2012. Same orbital plane as Metop-A, phased 48.92 min. apart. Prime satellite since April 2013.

METOP-B

Sentinel-3B (98.65° incl.)
 Early 2018

Sentinel-3A (98.65° incl.)
 OCEAN AND LAND OBSERVATION SURFACE TOPOGRAPHY
 Launched 16 February 2016 in sun-synch. Orbit EUMETSAT operates the mission and provides marine service

JASON-2 (66° incl.)
 OCEAN SURFACE TOPOGRAPHY
 Kept in its nominal non-synchronous low Earth orbit at 1,336km altitude, in support of the Ocean Surface Topography Mission.

JASON-3 (66° incl.)
 OCEAN SURFACE TOPOGRAPHY
 Kept in its nominal non-synchronous low Earth orbit at 1,336km altitude. Interleaved orbit with Jason-2.

METEOSAT-9 (3.5° WEST)
 HOT BACKUP
 Hot backup spacecraft for FES and RSS

METEOSAT-11 (0°)
 METEOSAT FULL DISC IMAGERY
 Prime Meteosat full disc imagery service over the European continent, Africa and parts of the Atlantic and Indian Oceans from 0° longitude.

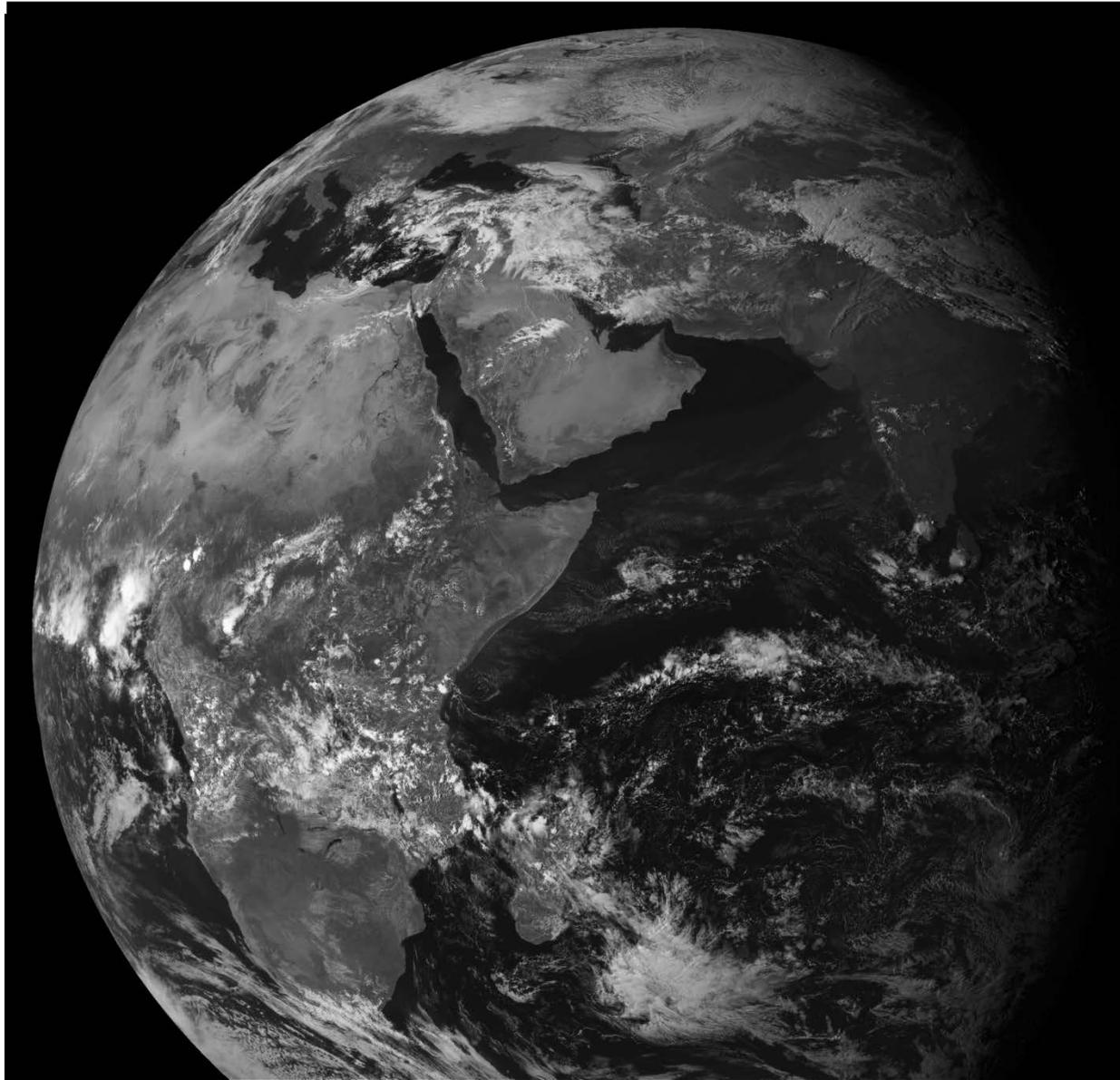
METEOSAT-10 (9.5° EAST)
 RAPID SCANNING SERVICE (RSS)
 Positioned at 9.5° East delivering the Rapid Scanning Service (RSS) over Europe and adjacent seas.

METEOSAT-8 (41.5° EAST)
 Indian Ocean Data Coverage
 Operated in support of the Indian Ocean Data Coverage (IODC) mission, in the frame of an International Cooperation

METOP-C
METOP-C (98.7° incl.)
 21 September 2018

METOP-A

Meteosat-8 moved over the Indian Ocean (41.5°)



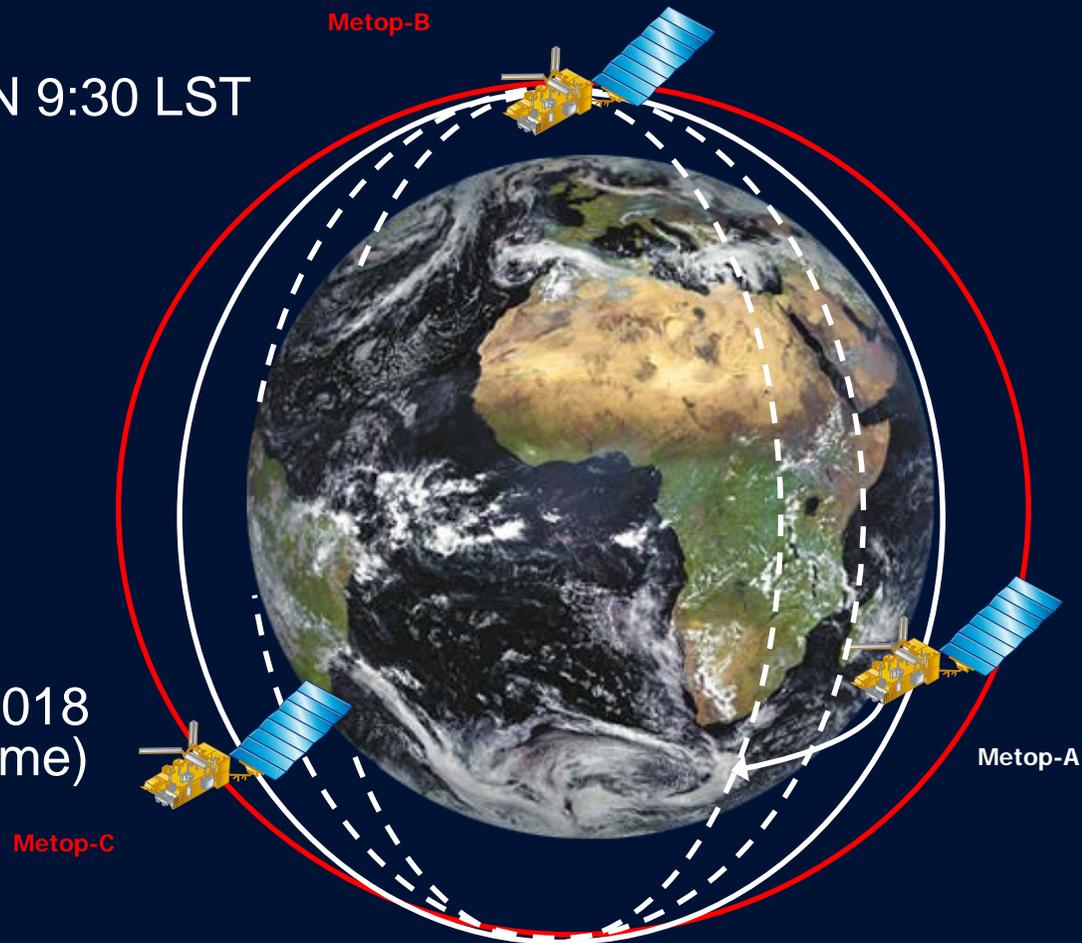
- Operational Service since 1 February 2017
- Fuel for operations until June 2020
- Meteosat-7 was de-orbited in April 2017 after 20 years in orbit

There will be three Metops in orbit 2018 – 2021

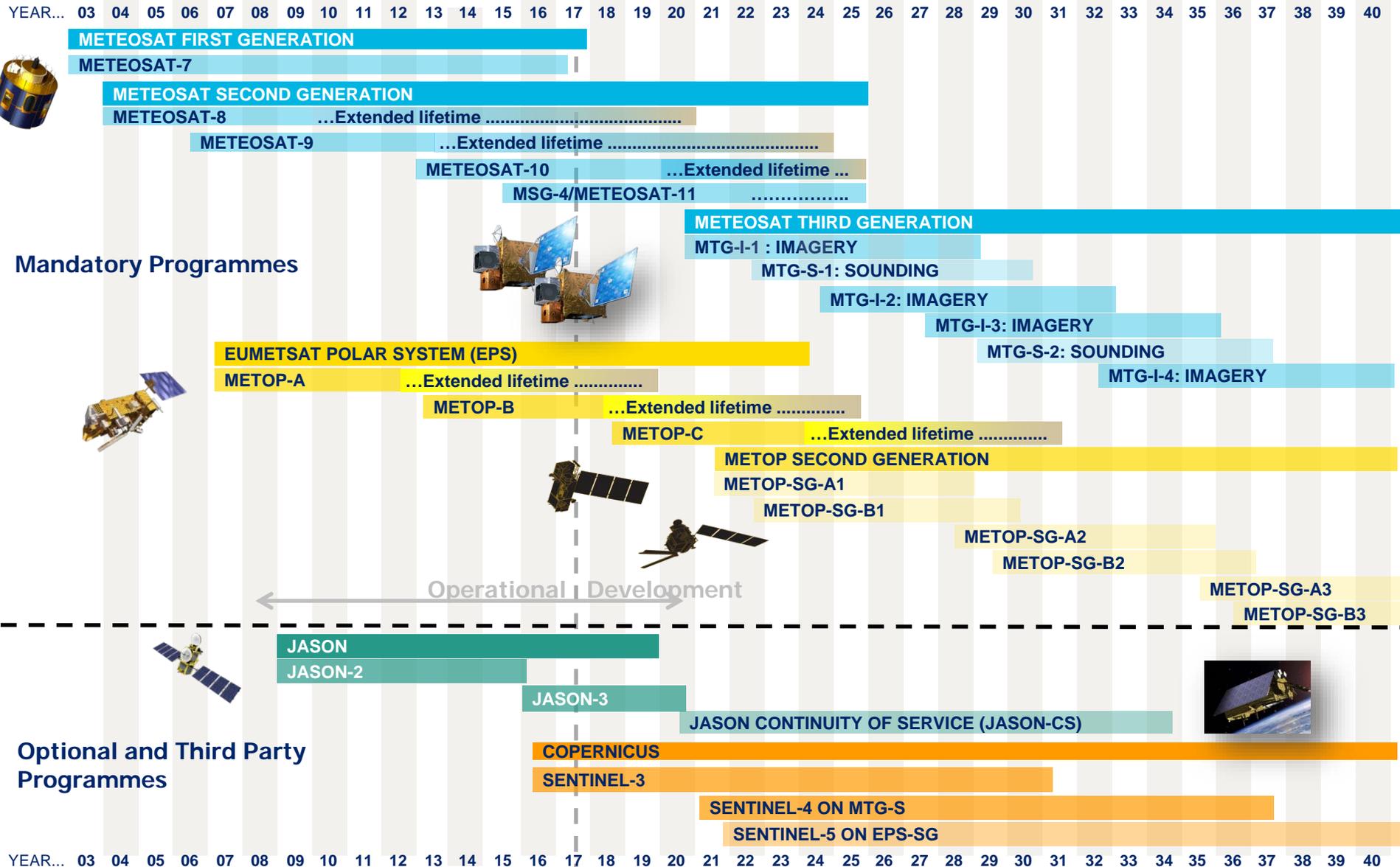
- Metop-A in drifting orbit; last OOP manoeuvre in Aug. 2016
- EOL ~end 2021(22)

- Metop-B prime sat. LTDN 9:30 LST

- Metop-C launch
planned 21 September 2018
(20 September Kourou time)
LTDN 09:30 LST



EUMETSAT future programmes overview



Thank you for your attention !

