

# Welcome

## 21<sup>st</sup> International TOVS Study Conference (ITSC)

Darmstadt, Germany  
29 November - 5 December 2017



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# OVERVIEW OF EUMETSAT

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**Director-General**

**21<sup>st</sup> International TOVS Study Conference (ITSC)**  
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# EUMETSAT is an intergovernmental organisation

## 30 Member States and one Cooperating State

### Member States



AUSTRIA



BELGIUM



BULGARIA



CROATIA



CZECH REPUBLIC



DENMARK



ESTONIA



FINLAND



FRANCE



GERMANY



GREECE



HUNGARY



ICELAND



IRELAND



ITALY



LATVIA



LITHUANIA



LUXEMBOURG



THE NETHERLANDS



NORWAY



POLAND



PORTUGAL



ROMANIA



SLOVAK  
REPUBLIC



SLOVENIA



SPAIN



SWEDEN



SWITZERLAND



TURKEY



UNITED KINGDOM

### Cooperating State



SERBIA



# EUMETSAT mission and vision

## Primary objective:

Establish, maintain and exploit European systems of **operational** meteorological satellites.

## Further objective:

Contribute to the **operational monitoring** of the **climate** and the detection of **global climatic changes**.

## Vision:

Be the leading **user-driven operational** agency in Europe for Earth observation satellite programmes that fulfil the objectives of its Convention, and a trusted **global partner** for those outside Europe who share these objectives.

# EUMETSAT Missions – Current and Planned

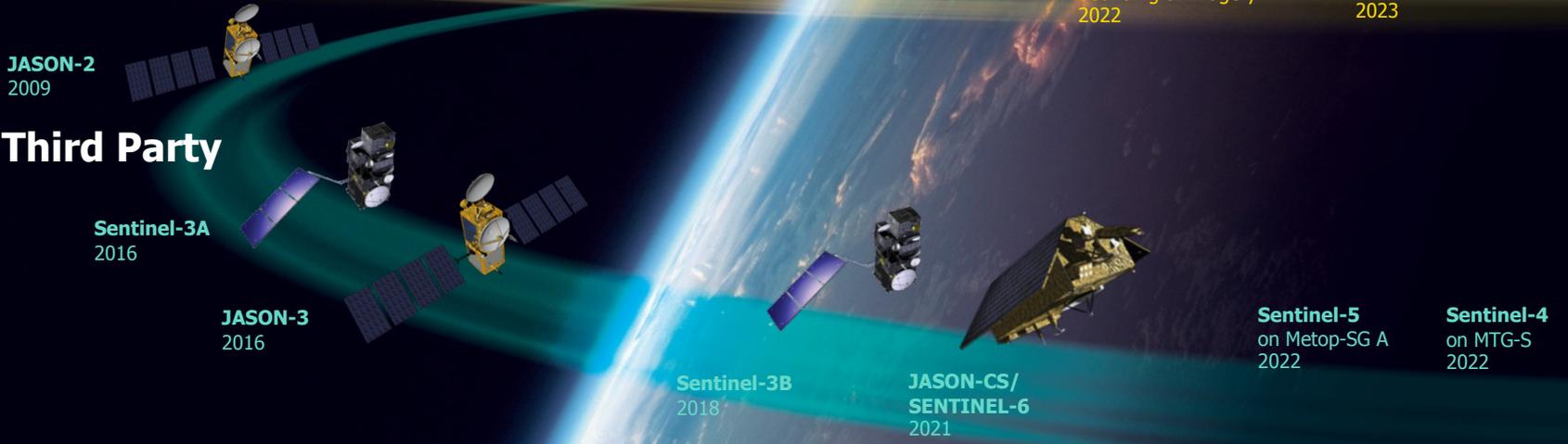
## Mandatory GEO



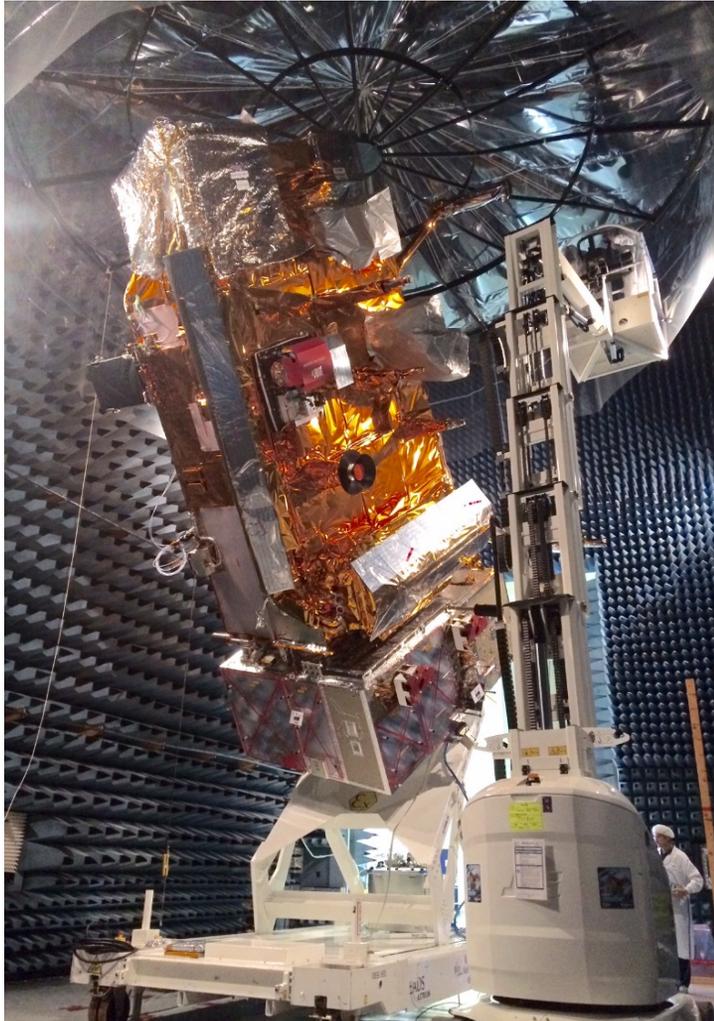
## Mandatory LEO



## Optional and Third Party



# Preparing for Metop-C Launch



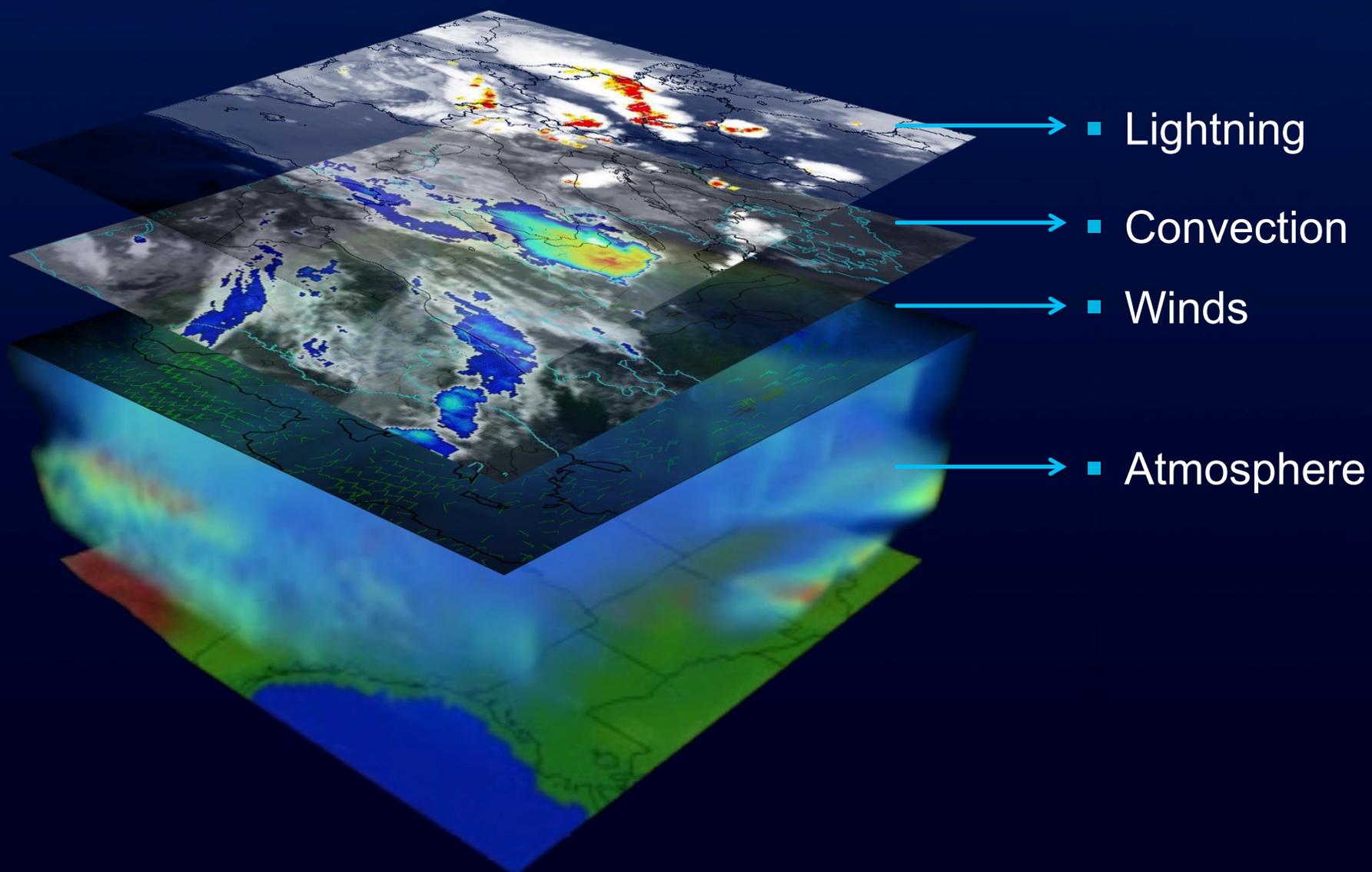
- Satellite tests ongoing
- MHS & GOME-2 instruments to be reintegrated after repair/re-calibration
- Virtualised ground segment configuration qualified for three-Metop operations
- System validation tests and operations preparation ongoing
- Target launch date advanced to 20 September 2018
- Three-Metop constellation from 2019 to 2022

# MTG development in cooperation with ESA

- Mission control chain deployed
- 1<sup>st</sup> System Validation Test performed
- Launch: 2021 for MTG-I1, 2023 for MTG-S1

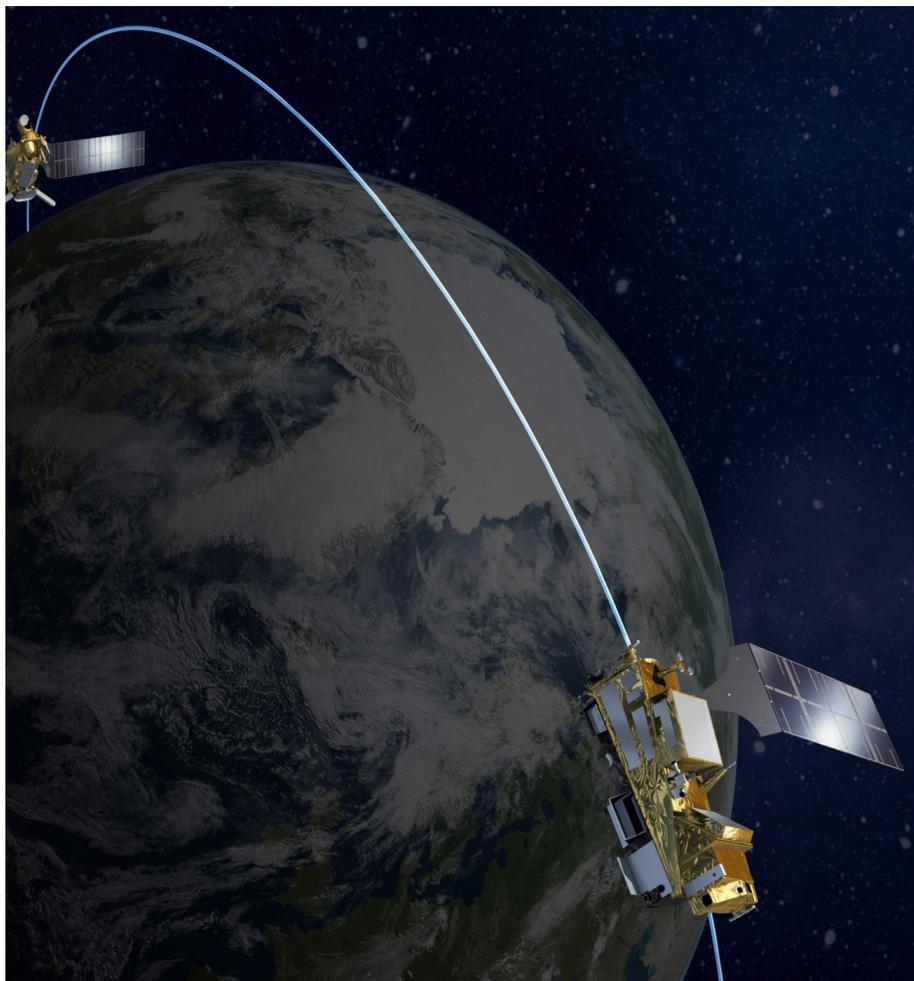


# 4D weather cube with MTG-I and MTG-S



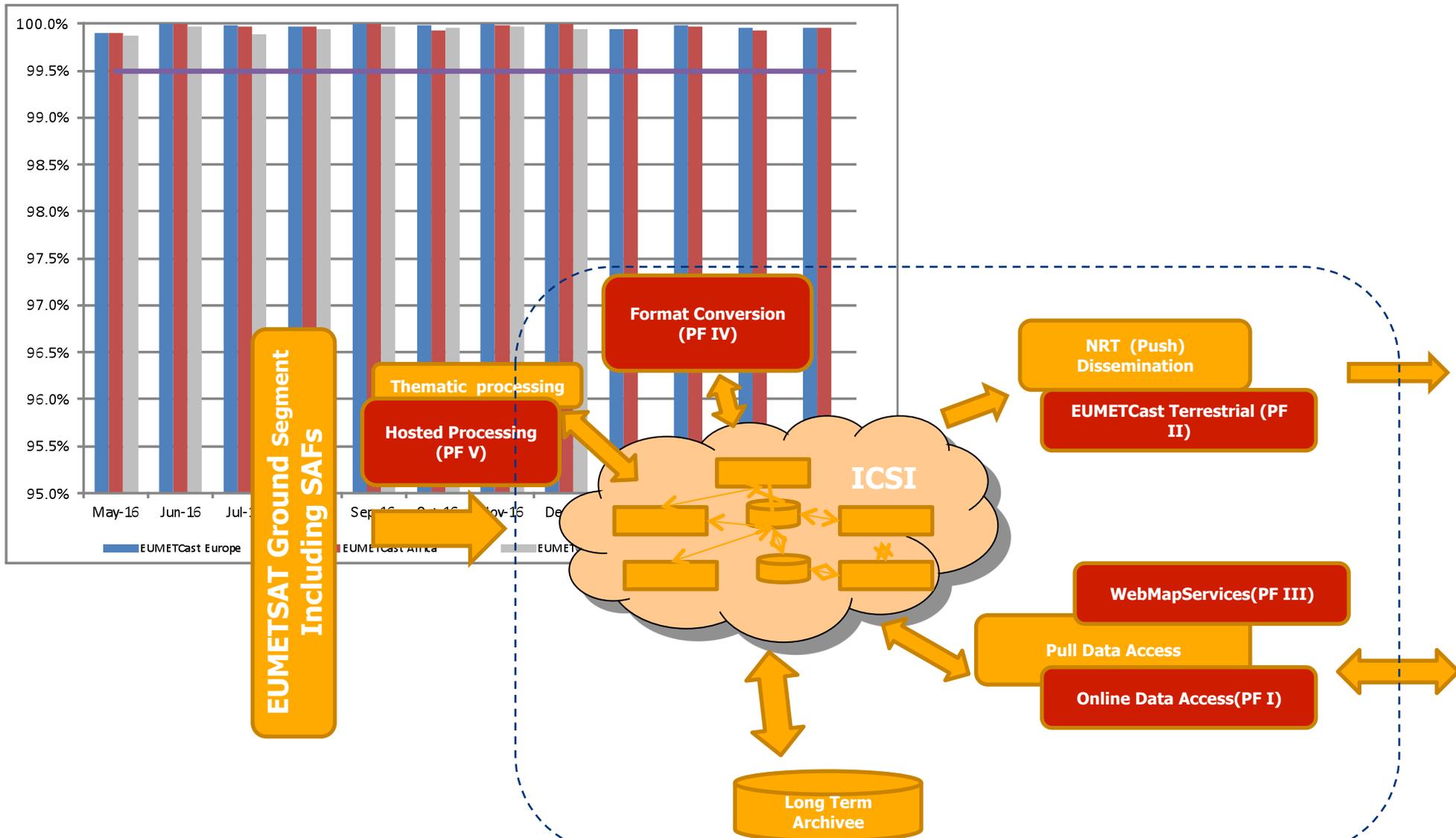
# EUMETSAT Polar System – SG development

## In cooperation with ESA, CNEs, DLR, NOAA



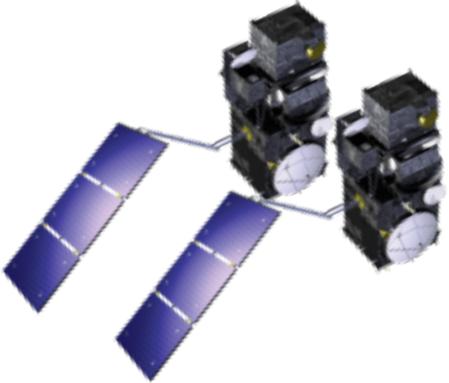
- ESA space segment development progressing towards satellites CDR
- System development in phase C
- Ground segment development
  - All contracts running
  - Sub-segments passed PDR
- Contracts for launch and LEOP services in place
- Target launch dates:
  - Metop-SG A1: end 2021
  - Metop-SG B1: end 2022

# Data access: EUMETCast & “big data” Pathfinder projects



# Contributions to Copernicus

- Sentinel-3 Marine mission

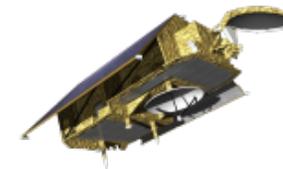


**Sentinel-3A: routine operations since 16 October**



**Sentinel-3B: launch in March 2018**

- Jason-3 and Sentinel-6/Jason-CS cooperative missions



- Sentinel-4 as part of MTG(-S) system
- Sentinel-5 as part of EPS-SG system
- Data access



# EUMETSAT mission planning

