

A brief introduction to EUMETSAT

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Remote Sensing and Products Division

*International Cooperative for Aerosol Prediction 13th
working group meeting, Darmstadt, 8-10 November 2023*



An intergovernmental organisation with 30 Member States





Primary objective:

Establish, maintain and exploit European systems of meteorological satellites.

Further objective:

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



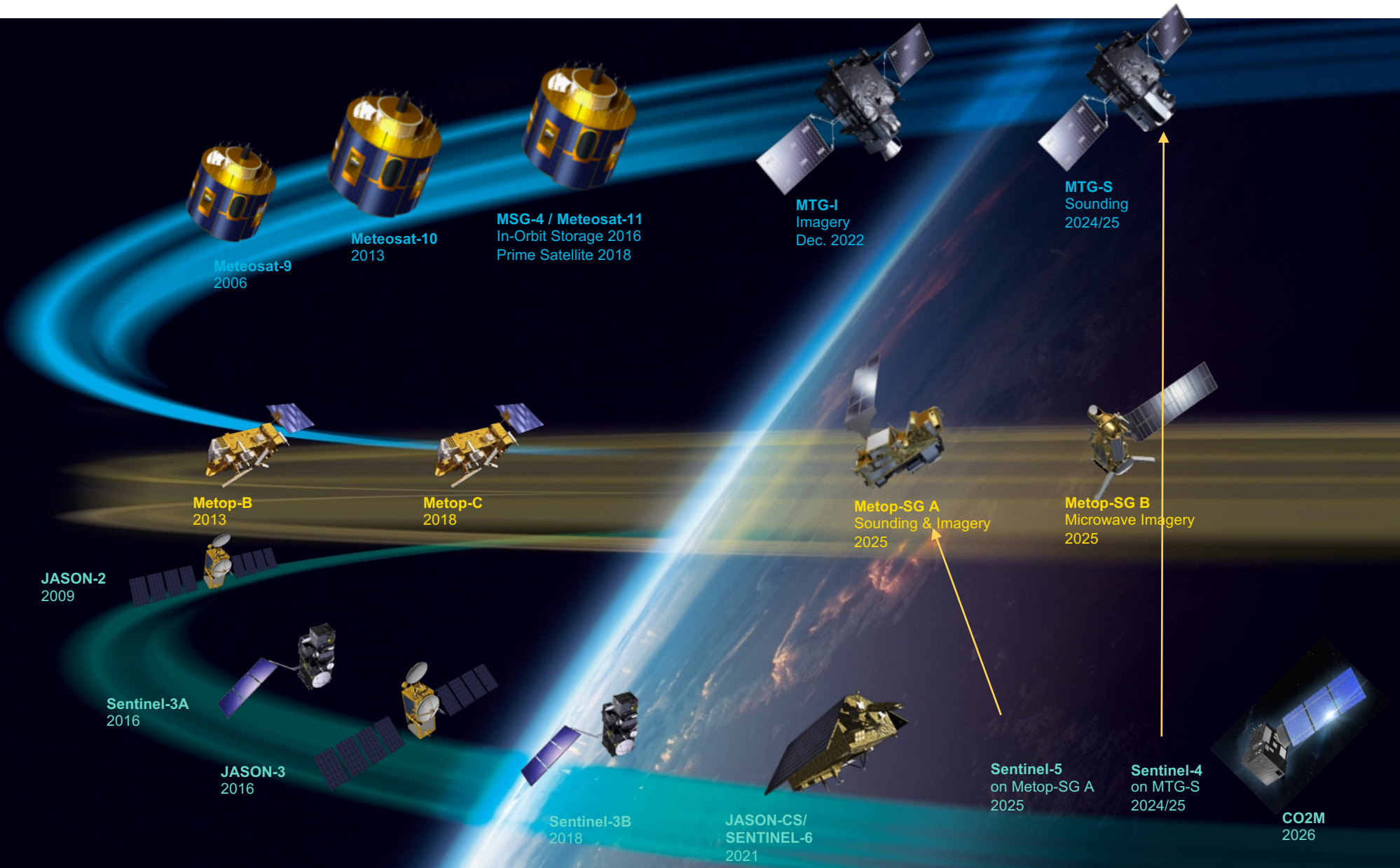
EUMETSAT missions – *current and future*

Geostationary Programmes

Mandatory Programmes

Polar Programmes

Optional and Third Party Programmes (incl. Copernicus)



24 hours of FCI: Canadian Wildfires reaching the Iberian peninsula (June 2023)

Full disk is scanned every 10 minutes

EUMETSAT

ESA





Operational NRT aerosol products - Improvements

- For both processors, [recent releases with enhanced performances](#)

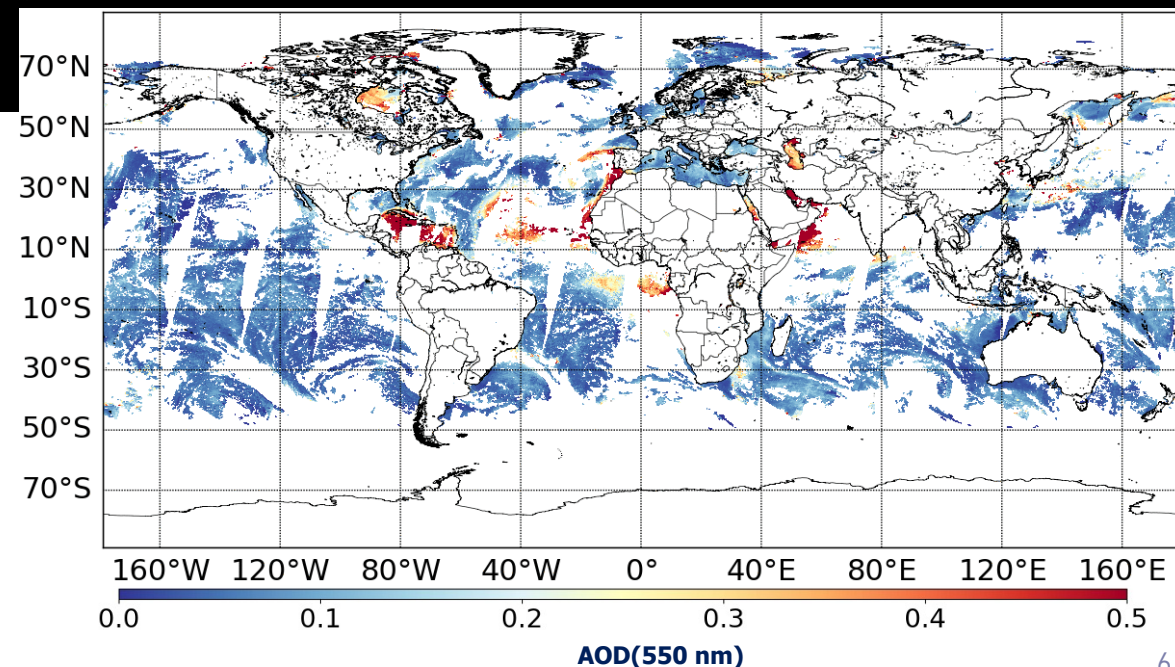
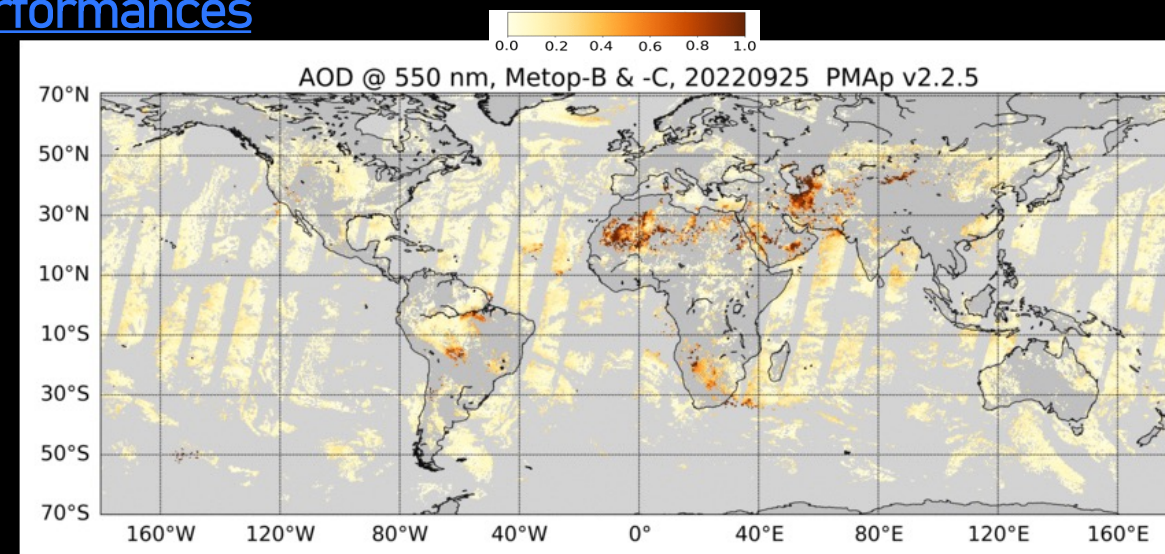
- **PMAp:** *Release version 2.2.5 since 2nd Feb. 2023*

- New degradation correction
- Significant improvement Metop-C
- Very good consistency Metop-B & C
- Now Operational over land
- Confirmed by CAMS (assimilate over ocean):
➔ improvement over ocean, potential over land

- **OSSAR-CS3:** *Release collection 3.0 since 8th Nov. 2022*

- Increased coverage over ocean (35/40%)
- New cloud/classification mask (naïve probabilistic)
- Reduction of bias for AOD over land
- Confirmed by CAMS:
➔ Increased coverage over ocean, reduction of bias

CAMS: On-going tests/experiments for both products
special need over land





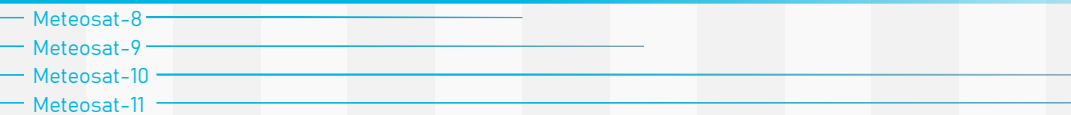
EUMETSAT mission planning - *a long term operational commitment*

www.eumetsat.int

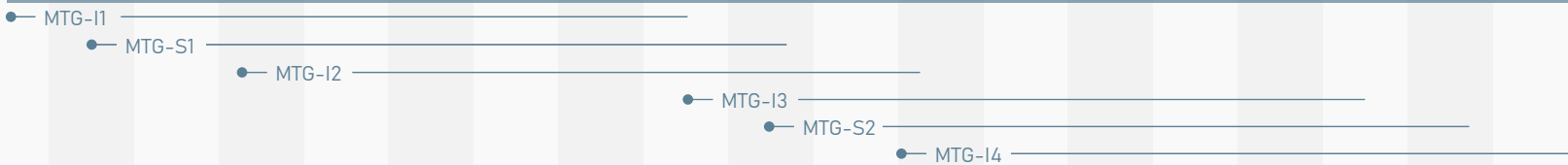
Year 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44

MANDATORY PROGRAMMES

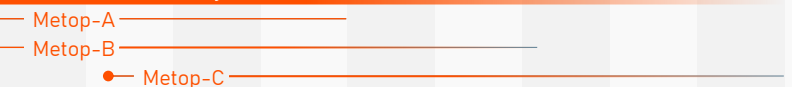
Meteosat Second Generation (MSG)



Meteosat Third Generation (MTG)



EUMETSAT Polar System (EPS)

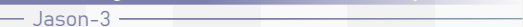


EPS-Second Generation (EPS-SG)

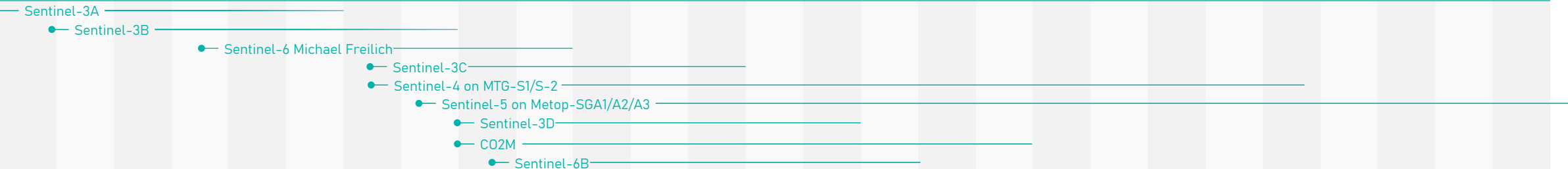


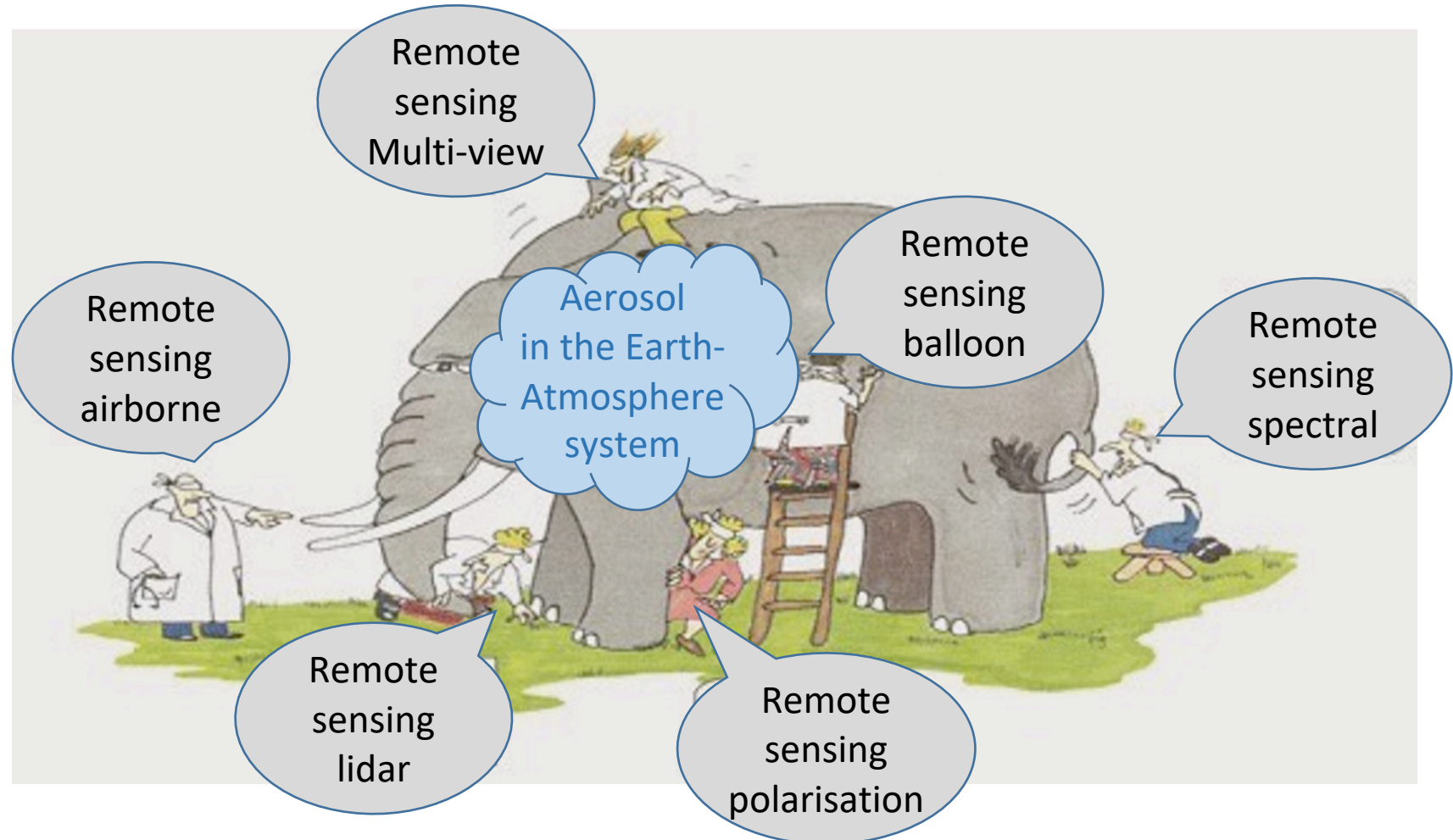
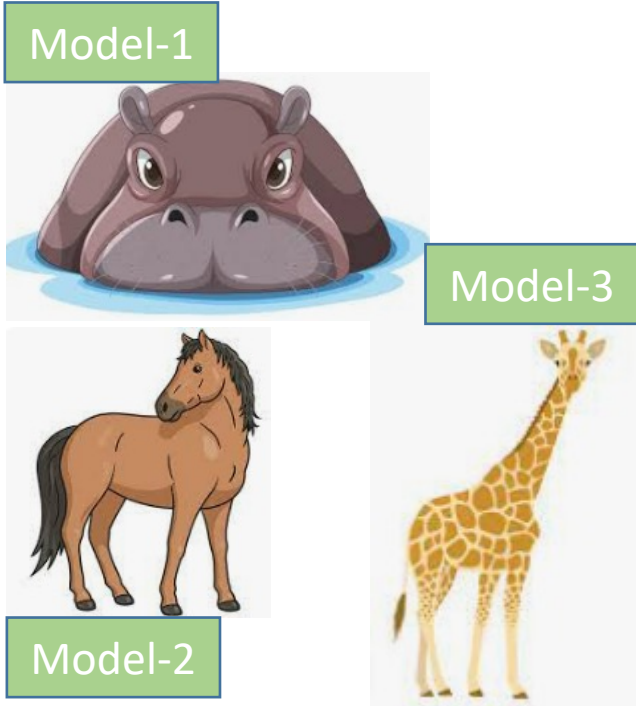
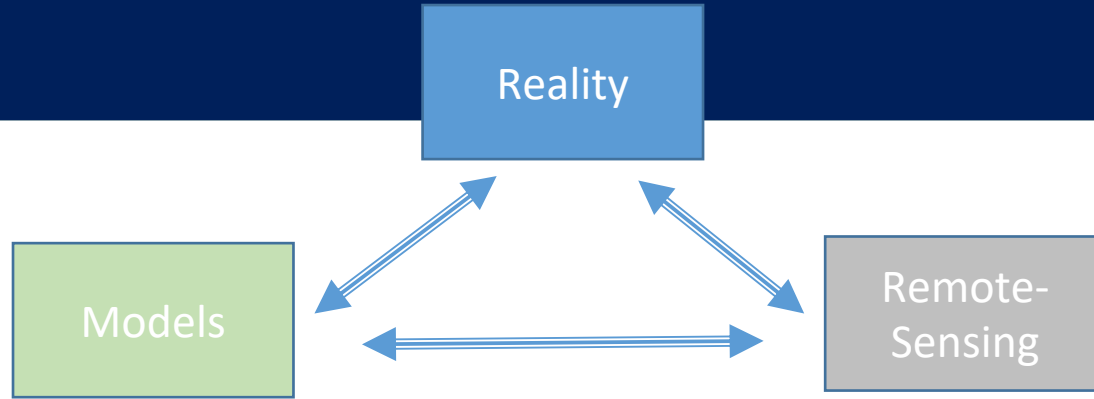
OPTIONAL AND THIRD-PARTY PROGRAMMES

Jason (High Precision Ocean Altimetry)



Copernicus







I welcome you on behalf of
EUMETSAT and wish you
successful meeting.



13th WORKING GROUP MEETING

International Cooperative for Aerosol Prediction (ICAP)

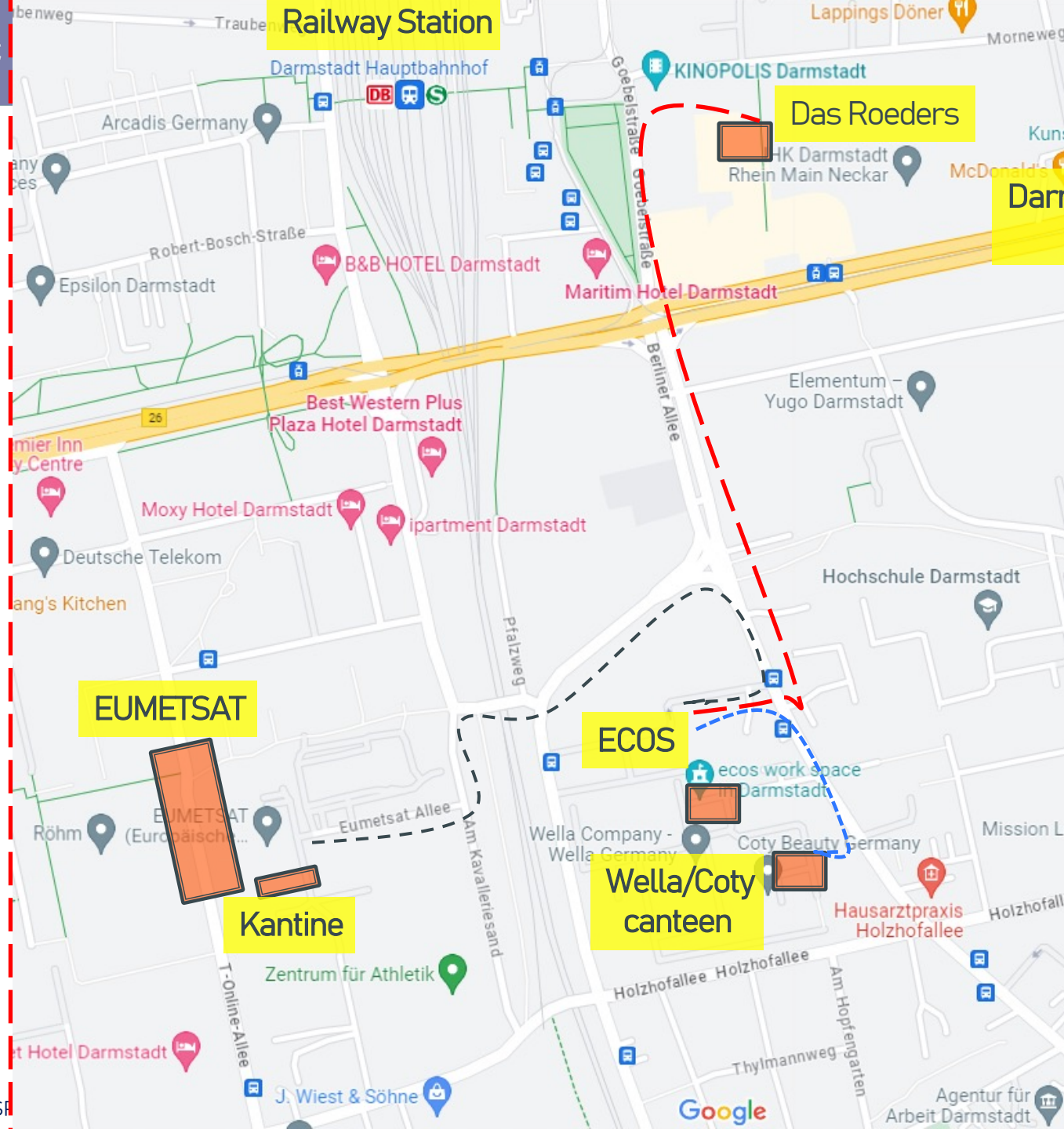
08-10 NOVEMBER 2023
DARMSTADT, GERMANY

Welcome in ICAP-11



- Agenda:
 - Meeting in ECOS venue
 - Lunch break in Wella/Coty canteen (5 min walk)
 - Allocated 90-min time slot
 - Wednesday 8th: 13:00-14:30
 - Thursday 9th and Friday 10th: 11:55-13:25
 - Ice-breaker Wednesday 8th 6pm, in EUMETSAT canteen (10 min walk)
 - Hosted dinner Thursday 9th 6pm, in Roeter's (10 min walk)
- Presenters:
 - Please provide your slides in advance
 - Please try to keep the meeting in the schedule (control your allocated time)
- Support:
 - Peter Colarco, Bertrand Fougnie
 - Marie-Laure Kinkel, Sylwia Miechurska, Joana Betencourt

Railway Station



- EUMETSAT <-> ECOS 10min walk
- ECOS <-> Canteen 5min walk
- ECOS <-> Roeders 10min walk

Darmstadt Center : 20min walk, 5min Tram