

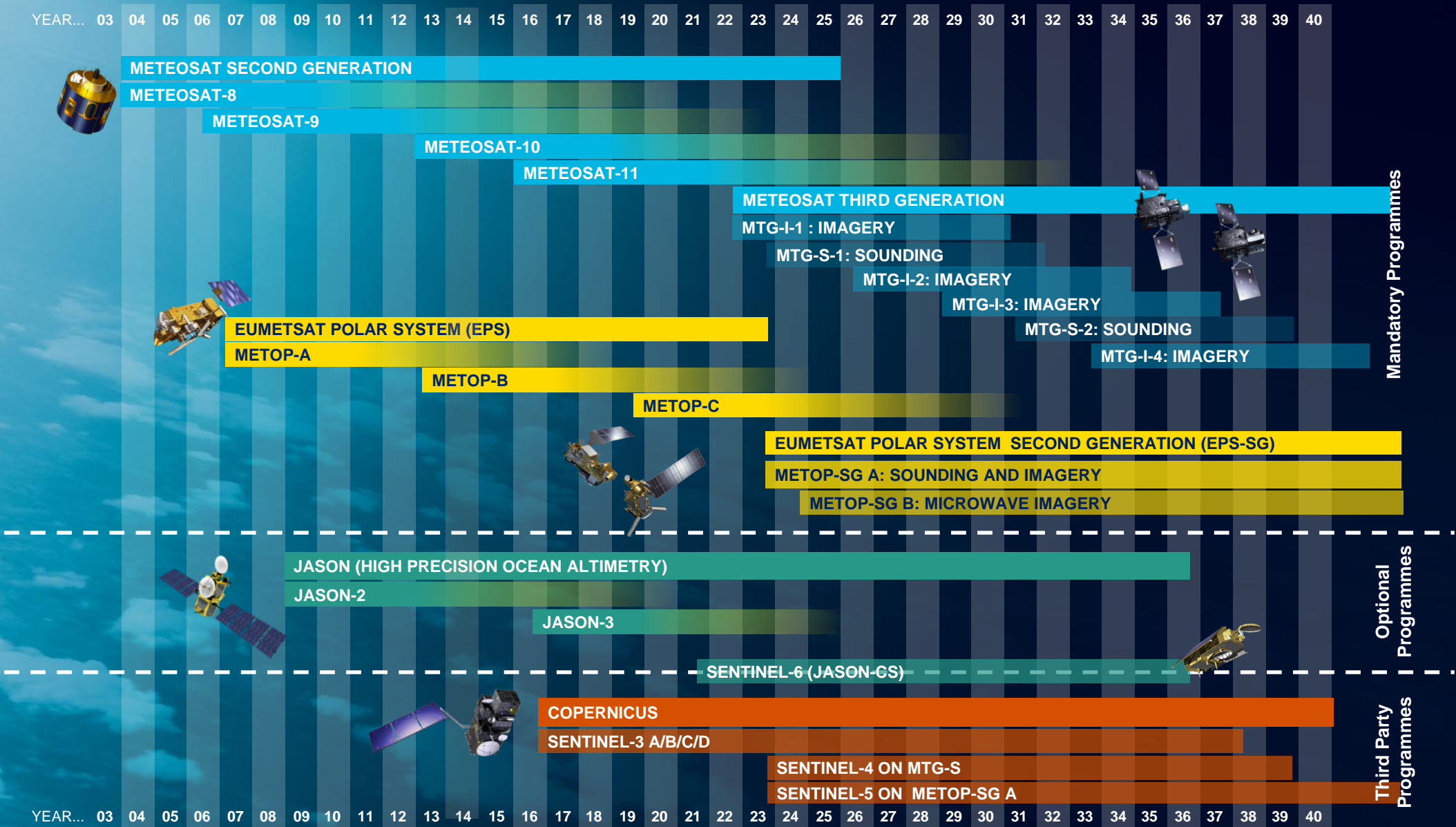
# EUMETSAT Contributions to AQ Observations for the AC-VC

Rosemary Munro, Bojan Bojkov,  
Peter Schluessel, Jochen Grandell,  
Lieven Bydekerke, Rüdiger Lang,  
& Vincenzo Santacesaria

See also [2.08\\_Munro\\_v1\\_supplement.pdf](#)



# EUMETSAT Mission Planning



# Cal/Val & End User Products for Trace Gas Missions

Product (Cal/Val & Trace Gas)	Metop GOME-2	MTG-S S4/UVN	EPS-SG S5/UVNS	Copernicus CO <sub>2</sub> M	Metop IASI	Metop-SG IASI-NG	MTG-S IRS
Radiance	✓	✓	✓	✓	✓	✓	✓
Irradiance	✓	✓	✓	✓			
O <sub>3</sub> total column	✓	✓	✓		✓	✓	✓
O <sub>3</sub> profile (incl. troposphere)	✓		✓		✓	✓	✓
O <sub>3</sub> tropospheric column	✓	✓					
NO <sub>2</sub> total column	✓	✓	✓	✓			
NO <sub>2</sub> tropospheric column	✓	✓	✓	✓			
SO <sub>2</sub>	✓	✓	✓		✓	✓	✓
SO <sub>2</sub> Layer Height			✓		✓	✓	
HCHO	✓	✓	✓				
CHOCHO	✓	✓	✓				
BrO	✓		✓				
OCIO			✓				
HNO <sub>3</sub>					✓	✓	
NH <sub>3</sub>					✓	✓	✓
CO			✓		✓	✓	✓
CH <sub>4</sub>			✓	✓	✓	✓	
SIF	✓		✓	✓			
CO <sub>2</sub>				✓	✓	✓	✓
H <sub>2</sub> O	✓	✓	✓		✓	✓	✓
UV Products	✓	✓	✓				
Surface Reflectance	✓	✓	✓				

Cells coloured:

blue indicate products to be produced at EUMETSAT, green indicate products to be produced by the AC SAF or via external scientific cooperation, orange indicate products not yet committed but possible. Grey indicate "Not Applicable"

# Summary

- EUMETSAT will **operate** a number of Sentinel missions and **monitor and evolve** their products during the operational phase
- Many opportunities for the development of **synergistic products** with EUMETSAT missions
- Many **synergies in (cross-)calibration / validation** activities