



Sentinel-5P; a milestone for atmosphere monitoring

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Transforming the EU's economy for a sustainable future



Mobilising research and fostering innovation

A zero pollution ambition for a toxic-free environment

Preserving and restoring ecosystems and biodiversity

From 'Farm to Fork': a fair, healthy and environmentally friendly food system

Accelerating the shift to sustainable and smart mobility

Leave no one behind (Just Transition)

Financing the transition

Increasing the EU's Climate ambition for 2030 and 2050

Supplying clean, affordable and secure energy

Mobilising industry for a clean and circular economy

Building and renovating in an energy and resource efficient way

The EU as a global leader

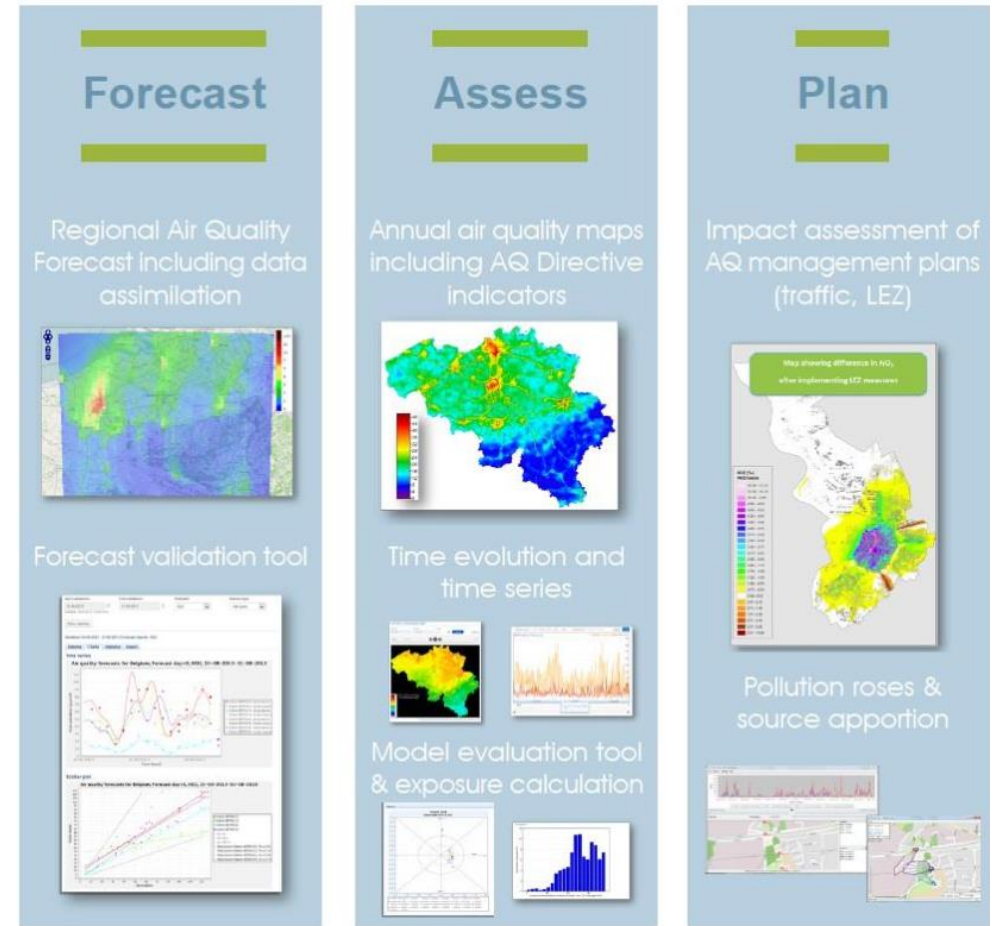
A European Climate Pact

Sentinel-5P data in CAMS

<i>Species</i>	<i>Monitored in CAMS NRT</i>	<i>Assimilated in CAMS NRT</i>	<i>Current status</i>
Ozone total column	11/07/2018	4/12/2018	operational
NO ₂ tropo column	11/07/2018	12/10/2021	operational
CO total column	26/11/2018	Pending	assimilation tests
SO ₂ total column (volcanic)	17/12/2018	6/10/2020	operational
HCHO total column	17/12/2018	Not planned	n.a.
CH ₄ (offline)	Delayed-mode monitoring	Not planned	assimilation tests

Initiatives for policy user uptake

- CAMS policy tools and policy workshop
 - ATMOSYS-CAMS platform
 - 6th Workshop on Nov 8
- Copernicus Thematic Hubs
 - First batch: Health, Coastal, Arctic and Energy
- Knowledge Centre for Earth Observation



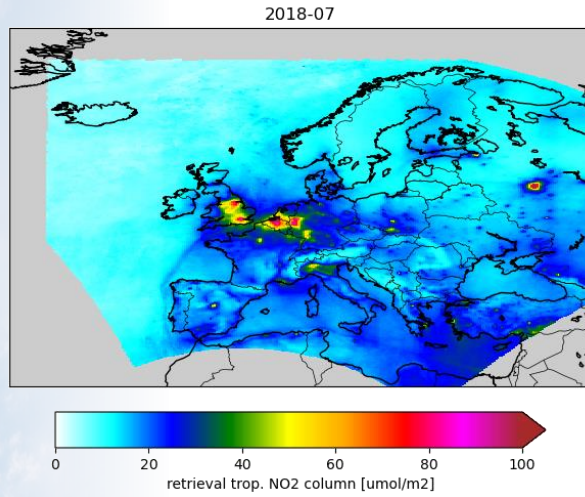
Examples of S-5P relevant policies and initiatives

- Zero Pollution Action plan
 - Outlook and monitoring reports
- EU Methane Strategy
 - Super emitter monitoring tool
- Ambient Air Directive
 - Staff Working Document
- National Emission reduction Commitment Directive
- EU Arctic Policy
- European Climate and Health Observatory

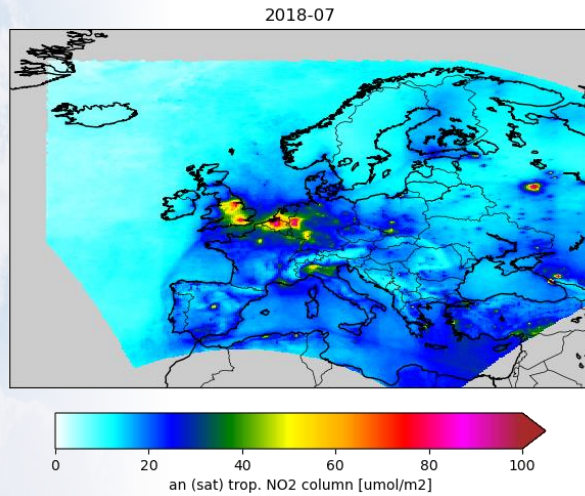
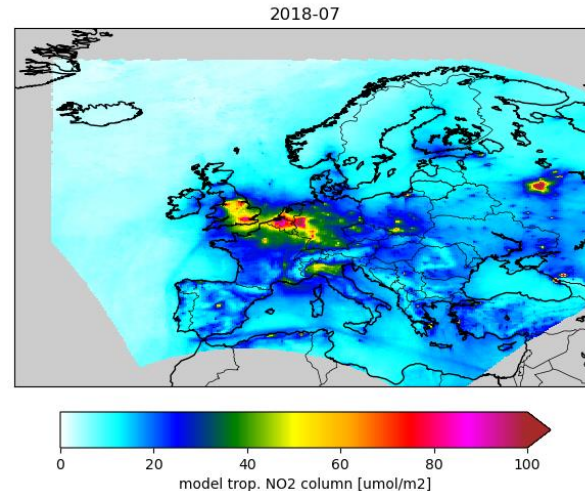


PREPARATION FOR SENTINEL-4

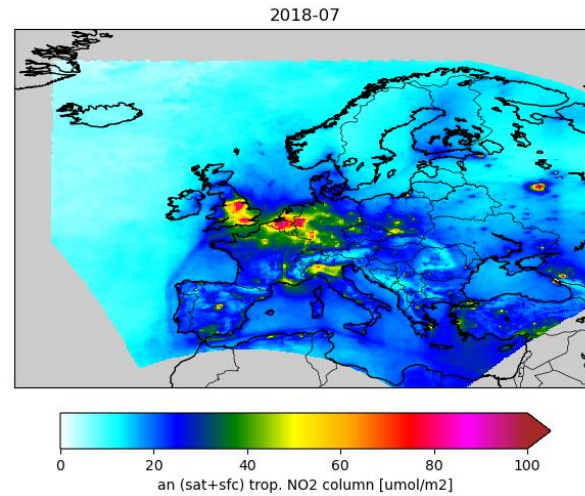
Synthetic Sentinel-4 retrievals



EMEP model simulation



Analysis using S-4 only

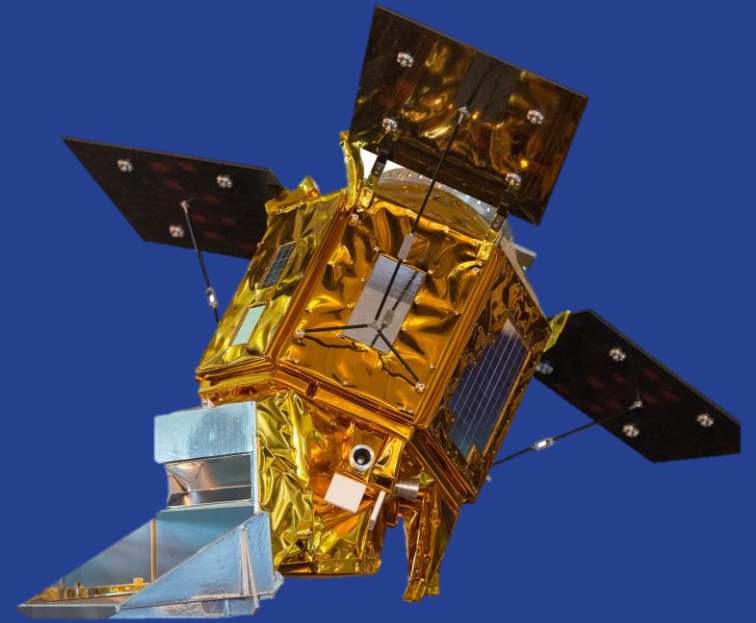


Analysis using S-4 and in-situ data

Initial studies for the use of Sentinel-4 observations in the regional forecasting models have been carried out as part of CAMS development.

Further studies will be supported by Horizon Europe funding.





Copernicus
Europe's eyes on Earth

Thank you!