



Use of Sentinel 5P/ TROPOMI data in CAMS data assimilation system

Antje Inness, Johannes Flemming, Richard Engelen, Zak Kipling, Melanie Ades, Mark Parrington, Jerome Barre, Anna Agusti-Panareda, and Roberto Ribas

ECMWF, Copernicus Department, Reading, United Kingdom (a.inness@ecmwf.int)

The Copernicus Atmosphere Monitoring Service (CAMS) led by ECMWF is one of the major users of S5P data. ECMWF already had access to the data during the S5P commissioning phase and, using its global data assimilation system, provided valuable feedback on the data quality to the algorithm teams. Now, all near-real time S5P data are routinely monitored in the operational CAMS system and total column ozone is actively assimilated and therefore impacts the CAMS analyses and 5-day forecasts. Assimilation tests with the other species are on the way.

In this presentation we will show examples of the use of S5P data in the CAMS system.