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AC SAF atmospheric composition products for rapid response and monitoring:
Examples

Atmospheric Composition Monitoring (AC) SAF is part of EUMETSAT ground segment with responsibility to develop, process and disseminate GOME-2 and IASI atmospheric composition products and S5 and IASI-NG products in future.

Many of these products are useful as inputs for NWP models (CAMS, ECMWF) and for atmospheric research. However, several products can be used to monitor emissions from volcanic eruptions, emissions caused by forest fires and burning of biomaterial, spreading of desert dust, and air quality episodes by traffic and meteorological conditions, for example. These kinds of products are especially aerosols, NO₂ and SO₂.

In this presentation, we will show recent interesting events observed with GOME-2 and IASI instruments together with some ground based observations including the Red Sun episode in fall 2017.