

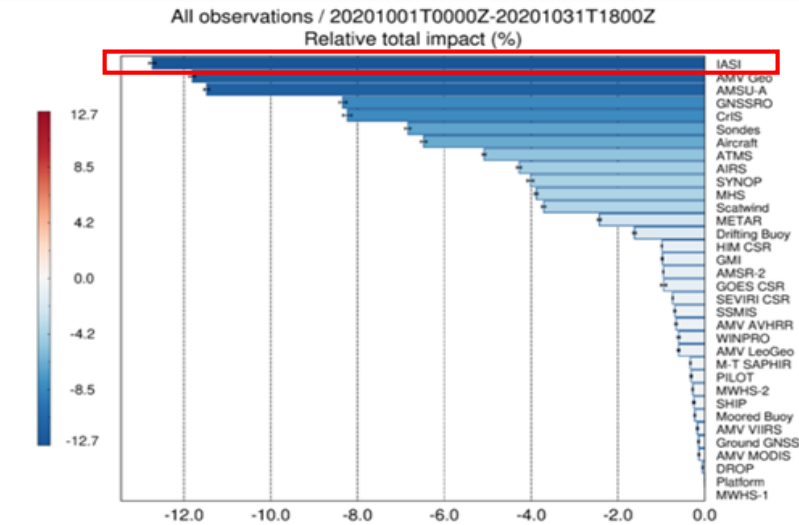
## Update on the latest programmatic news in relation with CGMS

### IASI & IASI-NG:

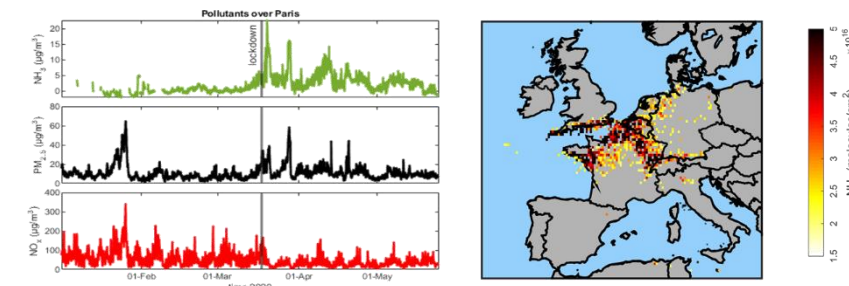
- 3 IASI operationally assimilated in several NWP models, with a significant impact on weather forecast
- Use of IASI data composition, with a high number of scientific publications
- IASI-NG is under development, good expected performances but some delays due to Covid-19 (new delivery date: December 2021)

### GHG missions

- Microcarb (CO<sub>2</sub> fluxes): collaboration with UKSA and EUMETSAT. Development is on-going, launch date 2022/2023
- Merlin (CH<sub>4</sub>): collaboration with DLR. Postponed, new launch date 2026



Impact of observations coming from different instruments on global weather forecasts, source UK MetOffice



Ammonia seen by IASI and PM2.5 air pollution in Paris during the 2020 COVID lockdown..

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### Altimetry missions:

- Continued exploitation of Jason 3, permanent monitoring of the S3A and S3B performances
- Beginning of Life of S6 Michael Freilich (commissioning and cal/val phase are ongoing)
- Preparation of the future wide-swath mission SWOT dedicated to ocean and hydrology (launch date : Nov 2022, delayed due to Covid)

### Climate Change Adaptation

- Space climate Observatory : international collaboration with several dozens of space agencies around the world
- Support of project aiming at increasing the use of satellite data (in conjunction in-situ data including socio-economic data and models) for monitoring the impact of climate changes on our environment at national and local scales
- CNES is also supporting different initiatives within CEOS and through the different working groups