



IASI is turning ten!

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The IASI mission is a versatile mission that fulfills the needs of three different communities: numerical weather prediction, climate research and atmospheric composition monitoring. In order to converge on the design of such an instrument all three communities had to make “reasonable accommodations” 20 years ago, and it turns out that this mission is now recognized as essential for weather forecasting, and for tracking pollutants/greenhouse gases from space. With the launch of MetOp-B and -C and the continuity and new challenges offered by IASI-NG, an exceptional data record will be available in the next few years.

The presentation (movie) illustrates some of the major findings related to atmospheric composition changes as monitored by IASI during the last 10 years. It relies on accurate data available in near real time along with an excellent horizontal coverage. We will show the global scale mapping of gases, along with the detection of dust and ash particles, as well as the potential of the mission to catch special events such as volcanic eruptions, large fires and pollution peaks.