

IASI/IASI-NG: a major program for science and society

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ABSTRACT

This paper will present the place of the IASI and IASI NG programs in the Earth Observation Strategy of CNES and what is expected for the science and environmental applications communities. The French Space Agency CNES is collaborating with EUMETSAT to propose innovative technological solution and strengthen the scientific exploration of the IASI signal for atmospheric composition and climate issues taking advantage of a robust, stable and long term space system as required by Eumetsat to fulfill operational European meteorological needs. Working in close cooperation with industry and research community, CNES acquired a strong expertise in thermal infrared sounders and data quality check which allows to reconduct the collaboration model adopted for IASI between CNES and Eumetsat for IASI NG.

By promoting IASI and IASI-NG in its Earth Observation program and supporting research activities in laboratories, CNES has also the objective to propose new data for various environmental applications in synergy with the sentinels products developed in the Copernicus context. Thanks to the excellence of technology and research actors, IASI demonstrates its capacity to show innovative products not expected at the beginning.... and we don't doubt that besides its nominal specification, the coming IASI NG instruments will again push the frontiers of the scientific knowledge and surprise us with unexpected innovative products for the benefit of the society.. Stay Tuned !