IAPCAS supports TanSat (-2) missions

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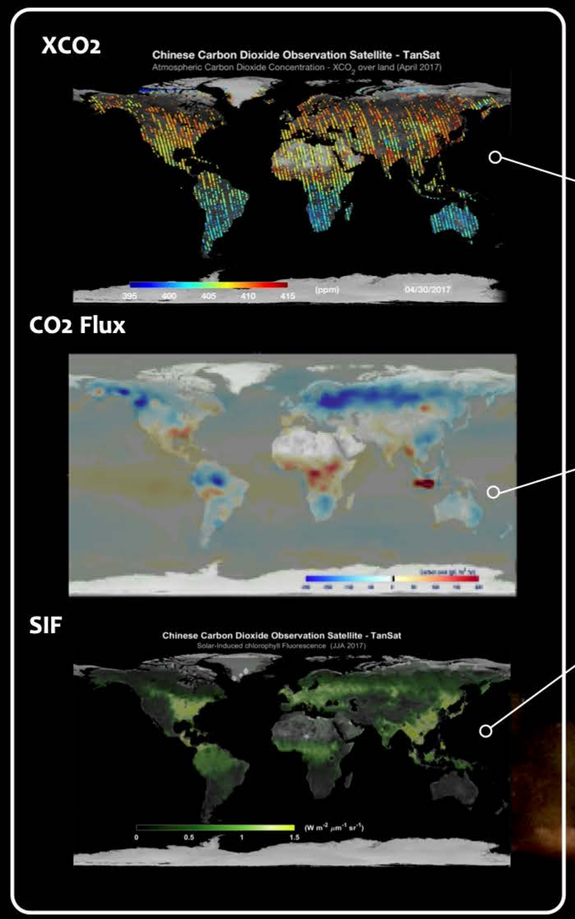
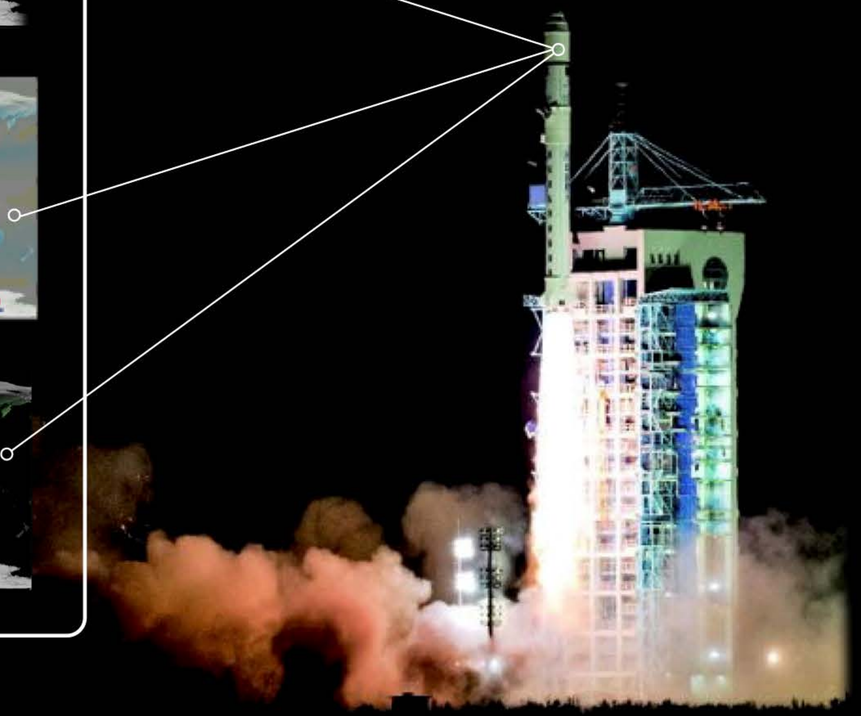
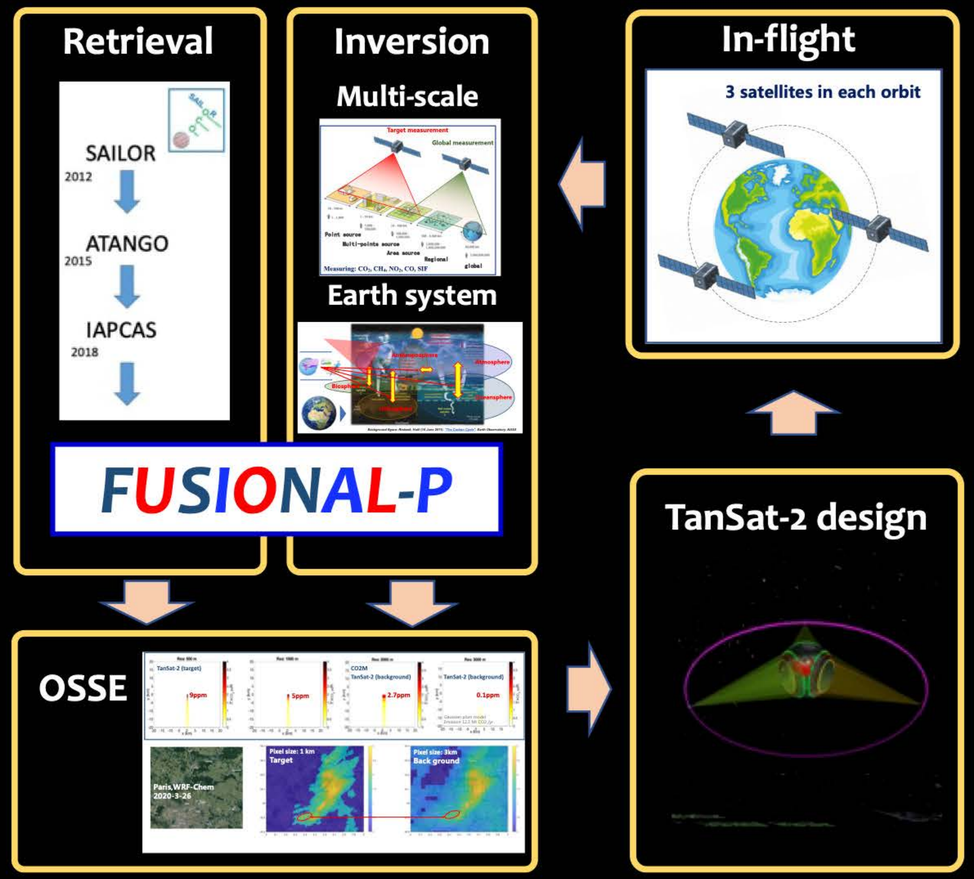
Institute of Atmospheric Physics Carbon retrieval and inversion Algorithm System (IAPCAS)

Since the first Chinese greenhouse gas monitoring satellite mission (TanSat) launched in 2016, the XCO_2, SIF and Carbon flux data has been produced and released to public. The next generation of TanSat mission has kicked off in early 2022 and will continued the name of Chinese global carbon dioxide monitoring satellite mission (TanSat-2). The aim of TanSat-2 mission will provide global coverage and fast repeat CO_2 and CH_4 measurement in a 2x2 footprint as well as pollution gas and contribute to Measurement, Verification Support (MVS) to Global Stocktake. Institute of Atmospheric Physics Carbon retrieval and inversion Algorithm System (IAPCAS) has been developed and obtain a series outcome such as XCO2 and SIF retrieval of TanSat mission. The IAPCAS is now developing toward a new evolution and servicing on TanSat-2 mission design (OSSE), and further application on retrieval and inversion.







Data access @ http://www.chinageoss.cn/tansat/index.html

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