

Satellites  
Ground segments  
Transversal competencies



Fluctus SAS is a French company established in 2019 providing scientific support for the:

- Design of future space-based Earth observation instruments.
- Definition and improvement of ground processing systems.
- Calibration and validation of the observations, from raw data to geophysical products.

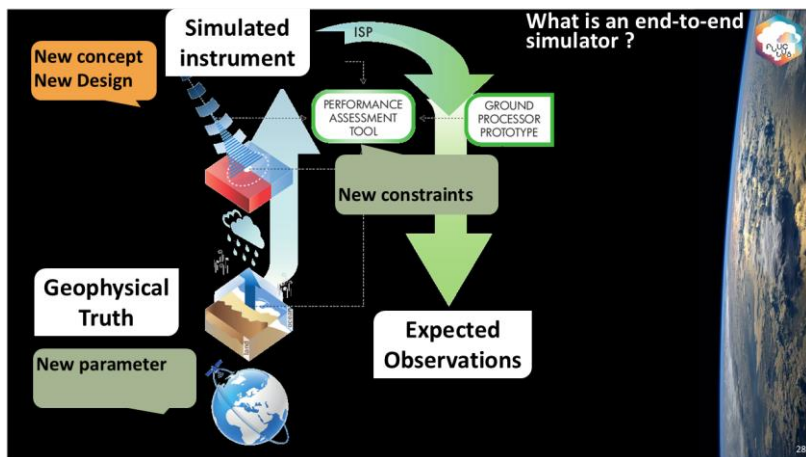
The core competence of Fluctus SAS is in microwave radiometry, due to more than 15 years of experience of its founder, Bruno PICARD in this domain.

## COMPETENCIES & CAPABILITIES

Fluctus provides scientific support to space agencies and satellite manufacturers for the development or the improvement of earth observation missions.

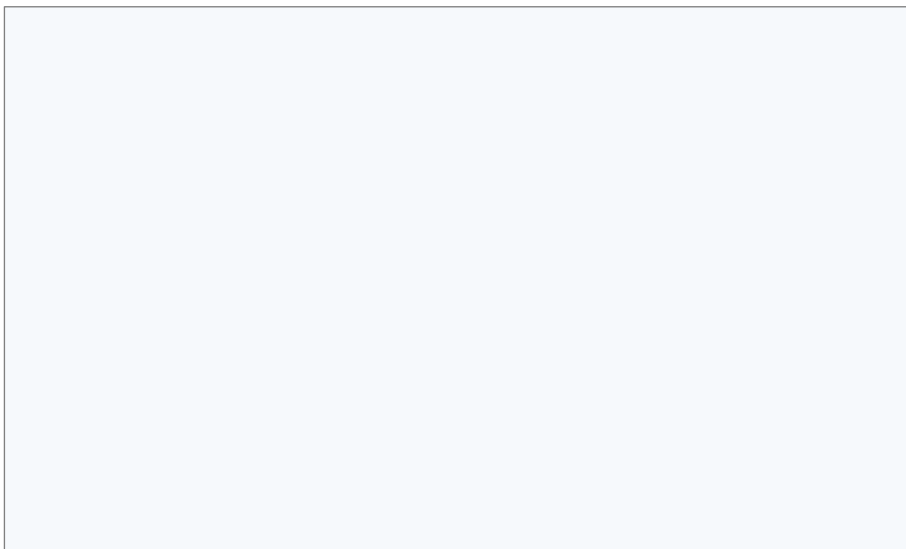
Fluctus develops end-to-end simulators for the performance assessment of future missions. We are also developing and validating new scientific algorithm to improve on-going missions, using signal processing, inverse problem approach, data science and machine learning methods.

Bruno Picard is a senior scientist with expert level skills on handling numerical weather prediction models, radiative transfer model, retrieval of atmospheric parameters (temperature, humidity, precipitations) and microwave radiometry in general.



# FLUCTUS

## PRODUCTS & SERVICES



## MAJOR SPACE PROJECTS & REFERENCES

Since its creation, Fluctus SAS has been successfully involved in various projects and studies for major space agencies:

- Eumetsat: Sentinel-3, Metop-SG
- ESA: Sentinel-6 NG (in collaboration with Airbus Spain)
- CNES: SWOT, SaphirNG, Climate (with IPCC expert)

Fluctus is also working in a close collaboration with Frank Fell (Informus GmbH) and Ralf Bennartz (Prof. at University of Vanderbilt, US), two senior scientists in Earth Observation.

## POINT OF CONTACT

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**TURNOVER** 200 k€

**WORK FORCE** 1 employee

**SPACE TURNOVER** 200 k€

**SPACE WORK FORCE** 1 employee