

# About SAOCOM

[asi.it/en/earth-science/saocom/](http://asi.it/en/earth-science/saocom/)

## What

The **SAOCOM (Argentinean Microwave Observation Satellite)** mission, owned by CONAE (Argentinean Space Agency), is composed of twin satellites, each carrying a polarimetric L-band SAR instrument

In agreement with ASI (Italian Space Agency), ESA advertises the availability of SAOCOM data acquired over the ASI Zone of Exclusivity (Europe and Mediterranean basin)

As part of ESA's TPM Programme, data from outside Europe will be made available to European scientists via CONAE

## When

Launched on

7 OCT 2018	30 AUG 2020
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SAOCOM-1A SAOCOM-1B

SAOCOM-1A launched on 07 October 2018 and -1B on 30 August 2020, from **US Vandenberg Air Force Base** and **Cape Canaveral** respectively

## Built By

The development of SAOCOM was led by CONAE, who contracted INVAP (Rio Negro, Argentina) to build the satellites. More than 80 companies and institutions in Argentina supported the development. The mission has a design lifetime of five years



## Objectives

The overall objective of the mission is providing an effective Earth observation and disaster monitoring capability, with the main aim of satisfying the needs of Argentinean society, economic and productive sectors, and the National Space Programme. These goals support:



### Agriculture

including soil moisture maps generation capability



### Hydrology

Including floods and emergencies



Exploiting **SAR interferometric capability**

## Applications

SAOCOM's applications include providing timely information in support of:



### Natural and anthropogenic disaster management

(such as regional flooding, volcanic eruptions, earthquakes, landslides, forest fires, etc.)



### Conducting monitoring services for agriculture, mining and ocean applications

- including monitoring surveys of Antarctica (study of continental glacier evolution, global change indicators, etc.)

## Data and Users

Data are used by several institutional and commercial users worldwide

**Data Access:** [earth.esa.int/eogateway/catalog/saocom-data-products](http://earth.esa.int/eogateway/catalog/saocom-data-products)

**For more information visit:** [argentina.gob.ar/ciencia/conae/misiones-espaciales/saocom](http://argentina.gob.ar/ciencia/conae/misiones-espaciales/saocom)