



Ministerio de Ciencia,
Tecnología e Innovación
Argentina

CONAE: International Cooperation in EO

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CONAE

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CONAE's Main Activities

SATELLITES



GROUND STATIONS



ACCESS TO SPACE



PROCESS & DISTRIBUTION OF SPACE BASED INFORMATION



EDUCATION & CAPACITY BUILDING



The Argentine National Space Plan

- Boost the creation and growth of companies for the development of innovative space related technologies
- Development of highly skilled human resources
- Cooperation with other national Science & Technology Institutions
- **International Cooperation**



CONAE & International Initiatives

Provide information to support Argentine commitments in International Treaties and participation in International initiatives



BUILDING AN ALL ATLANTIC
OCEAN COMMUNITY
Implementing the Belém Statement

ANCHOOR



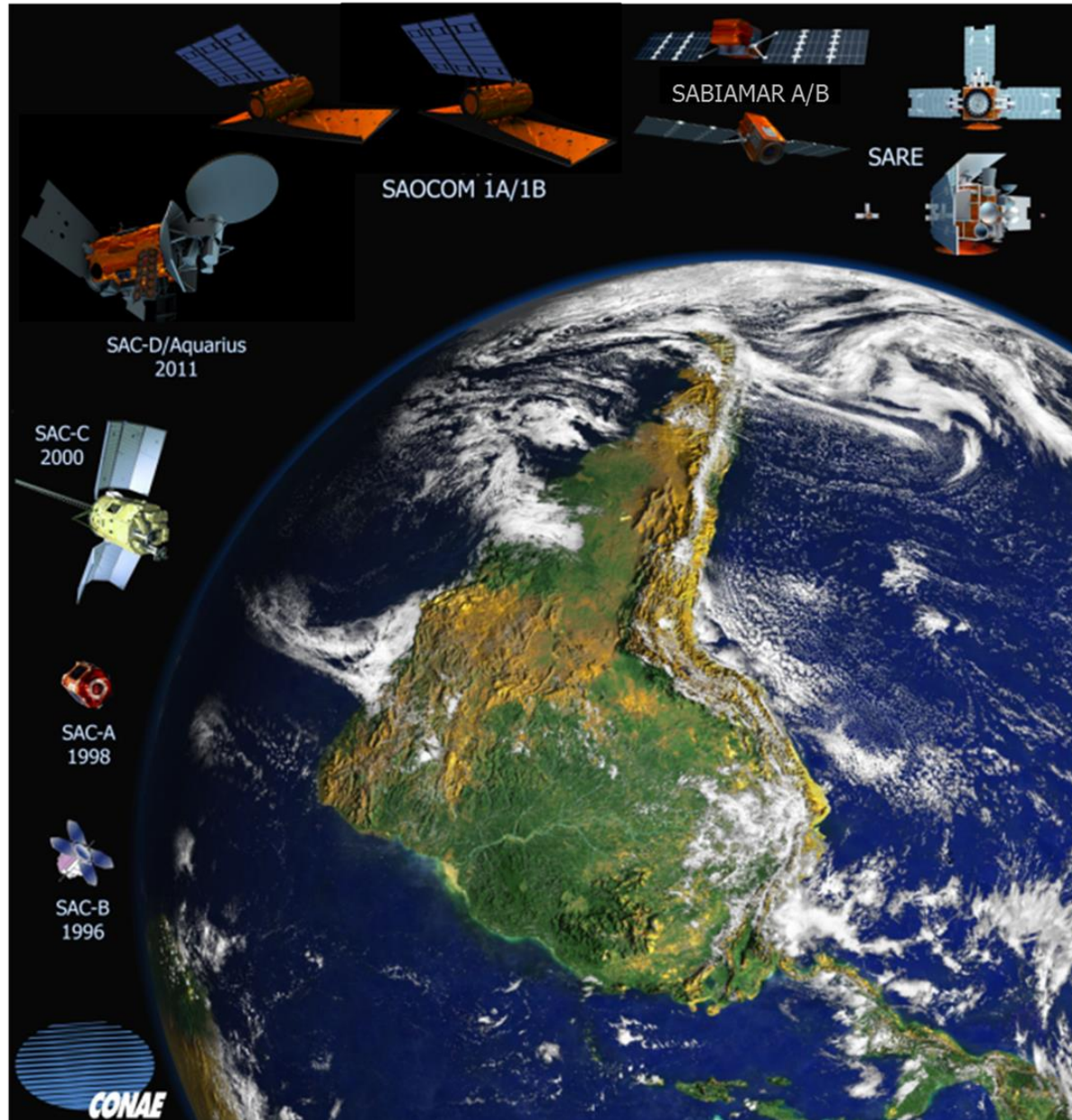
2021-2030 Decenio de las Naciones Unidas de las Ciencias Oceánicas para el Desarrollo Sostenible



Antarctic Treaty



Sociedad Latinoamericana en Percepción Remota y Sistemas de Información Espacial



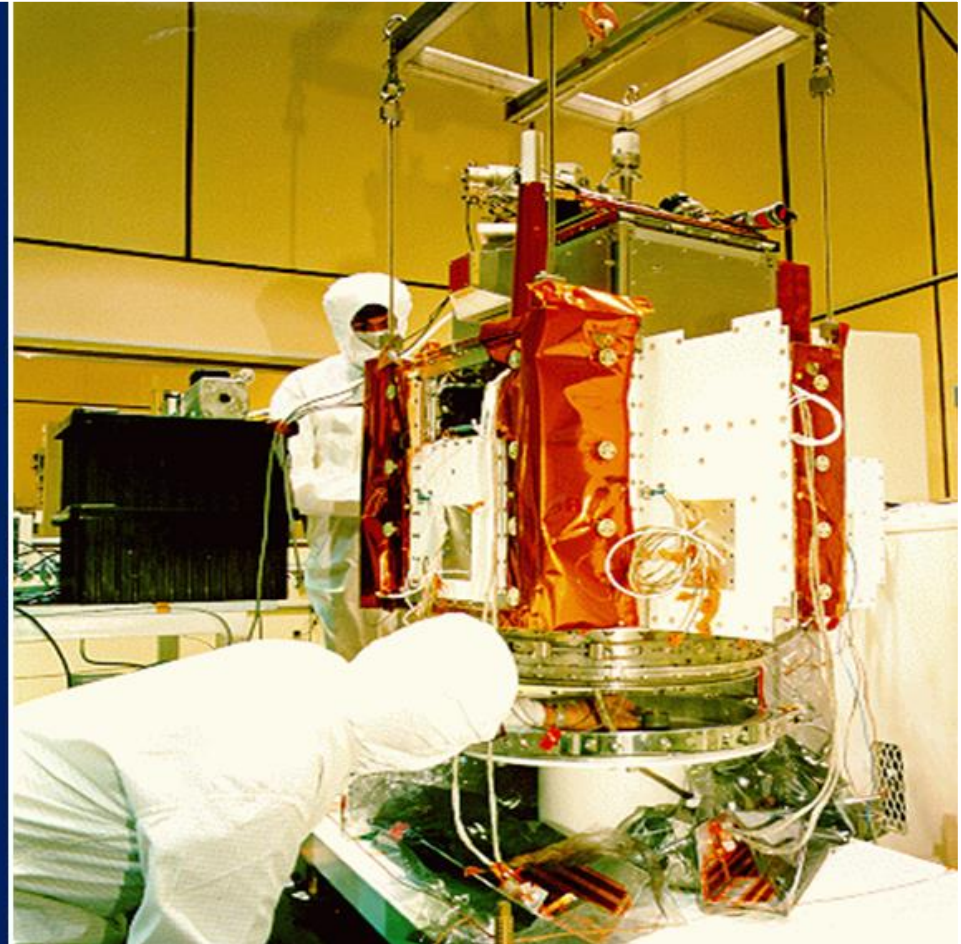
SAC-B

Launch Date:
November, 1996

Mission:
Solar Physics and Astrophysics

Launch Vehicle:
Pegasus – Dual Launch

Mass: 190 kg





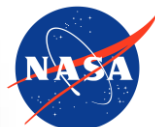
SAC-A

Launch Date:
December, 1998

Mission:
Technological

Launch Vehicle:
STS – gascan

Mass: 64 kg





SAC-C

Launch Date:
November, 2000

Mission:
Earth Observation

Launch Vehicle:
Delta II – Dual Launch

Mass: 485 kg



Argentina United States of America Italy France Brazil

Launch Date:
June, 2011

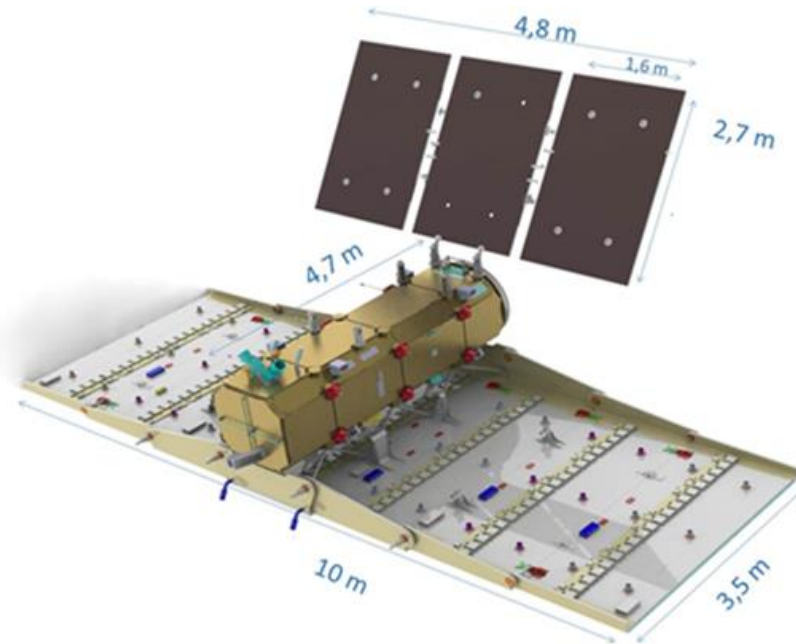
Mission:
Earth Observation

Launch Vehicle:
Delta II – Single Launch

Mass: 1450 kg

Aquarius/SAC-D

- Two Satellites with an L-Band SAR Instrument
- Orbit : 619.6 km
- Near Polar Sun-synchronous frozen orbit, 06:00 am ascending node
- 35 m² SAR Antenna Radiating Surface
- 3000 kg satellite mass

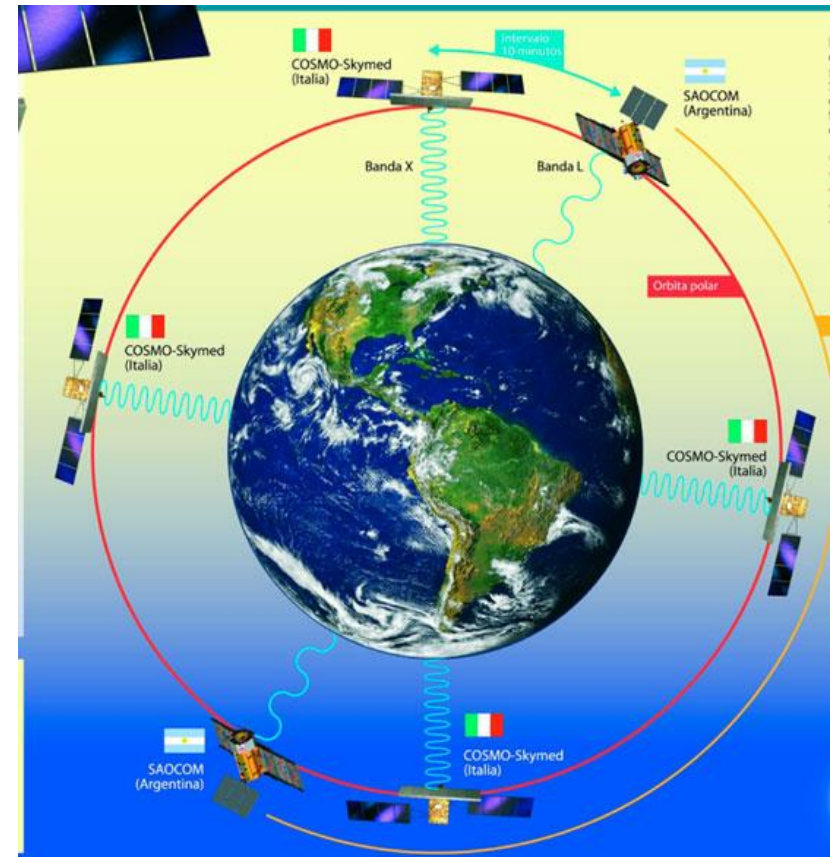


ASI + CONAE: SIASGE Constellation

CosmoSkymed + SAOCOM

SIASGE

Sistema de satélites
Ítalo-Argentino para
beneficios Sociales,
Gestión de emergencia y
desarrollo Económico.



SAOCOM Mission Contributions in Emergencies

➤ Contributions to **The International Charter Space and Major Disasters** during 2019-2021: **60 activations, 26 countries, 491 SAOCOM products**

Other emergencies contributions:

- Mexico (AEM)
- Guatemala (SPIDER)
- Honduras (United Nations)
- Colombia (Ship Search & Rescue)
- Congo (volcanic eruption, CEOS)
- Chile (aircraft search)
- Australia (fires)
- Indonesia (volcanic eruption, CEOS)

Call	ACT	Event	Area	Productos
745/747		647 Storm / Hurricane	Fiji	3
	750	650 Flood	Somalia	4
752/754		652 Flood	Bangladesh	4
	753	653 Storm / Hurricane	India	4
	755	654 Flood	Li Suju	1
	756	655 Oil Spill	Rusia	3
	757	656 Landslide	Myanmar	3
	758	657 Flood	Japan	3
	760	660 Flood	Bangladesh	7
	761	659 Flood	Colombia	3
	763	662 Flood	India	4
	764	663 Flood	India	9
	766	665 Flash Flood	India	8
	769	667 Flood	Sudan	9
	770	668 Landslide	Korea	16
	771	669 Earthquakes	Philippines	4
	772	670 Flood	Rusia	19
	773	672 Flash Flood	Cameroon	5
	774	671 Storm / Hurricane	Korea	10
	775	673 Storm / Hurricane	Korea	8
	776	674 Storm / Hurricane	Japan	11
	777	675 Flood	Sudan	5
	781	679 Flood	TOGO	15
	782	680 Flood	Viet Nam	15
	783	681 Flood	Viet Nam	11
784/785		682 Flood	Philippines	10
	786	683 Flood	Mexico	13
	787	684 Flood	Panama	14
	788	685 Volcanic eruptions	Indonesia	1
	789	686 Flood	Philippines	4
	790	687 Storm / Hurricane	Colombia	5
	791	688 Storm / Hurricane	India	11
	792	689 Landslide	Mexico	16
	793	690 Storm / Hurricane	Sri Kanka	10
	794	691 Storm / Hurricane	Fiji	14
	795	692 Ship Wreck	Russian	8
	797	694 Flash Flood	Morocco	9
	800	696 Flood	Mozambique	5
	801	697 Landslide	Swaziland	13
807/808		701 Flood	Timor Leste	11
	809	703 Volcanic eruptions	Saint Vicent	5
	810	704 Flash Flood	Russian	4
	811	705 Flood	Rusia	14
806,812		702 Flood	Indonesia	10
	813	706 Flood	Somalia	7
	814	707 Flood	Russian	2
	815	708 Flood	Russian	24
	816	709 Storm / Hurricane	India	22
	817	710 Flash Flood	Russian	6
	820	713 Volcanic eruptions	Congo	2
	821	714 Storm / Hurricane	India	5
	822	715 Oil Spill	Sri Lanka	8
	824	717 Flood	Guyana	11
	823	716 Flood	Sri Kanka	3
	825	718 Flash Flood	Russian	11
	827	721 Flood	Luxermourg	5
	829	722 Wildfire	Russian	5
	830	723 Flood	India	2
	832	725 Flood	Russian	13
	834	727 Flood	Japan	4
		Total		491



Launch Date:
2nd Q, 2024

Mission:
Earth Observation

Launch Vehicle:
TBD

Mass: 650 kg

SABIA-Mar 1



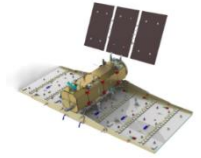
CONAE & ESA Collaboration

Since the 1990's, collaboration in developing capacity and promoting use of space information in the region

- Agreement for ERS reception in ETC (1997)

Space Education,
Seminars, courses,
joint activities

❖ ESA Ground
Support to
SAOCOM
Mission



SAR Capacity
building activities

❑ Application of space information to sustainable development of Andean Mountain Areas (2007-2011)

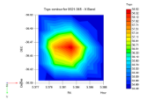
- CONAE joined the Open Initiative of ESA and UNESCO for the Use of Space Technology to support the Convention on World Heritage (2003), collaboration for the Iguazú and Galapagos sites

Argentina-ESA
agreement
(2002)

ESA-CONAE
PUMAS Initiative

LoI –installation of
ESA GNSS Sensors in
CONAE's Center in
Córdoba (2018).

ESA-Argentina Agreement
DS Malargüe (2009)



CB activities
Space Exploration:
CESAR Program

Tempus-Pro Project in
Antarctica -Telemedicine
for Astronauts (ESA/DNA-
IAA/UCA /CONAE)



Thank you very much for your attention

<https://www.argentina.gob.ar/ciencia/conae>