

# “Contribution to the Long-Term Space Sustainability (LTS) of the National Space System of Chile”

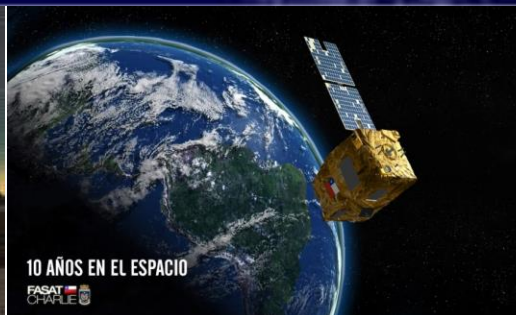
Col. Hernan TELLO  
Deputy Director in Space Affairs  
Chilean Air Force

# Contribution in LTS of the National Space System of Chile



National Space System of Chile follow the guidelines of Long-term Sustainability of Outer Space Activities:

1. Policy and Regulatory Framework
2. Safety of Space Operations
3. International Cooperation
4. Scientific and Technical Research & Development



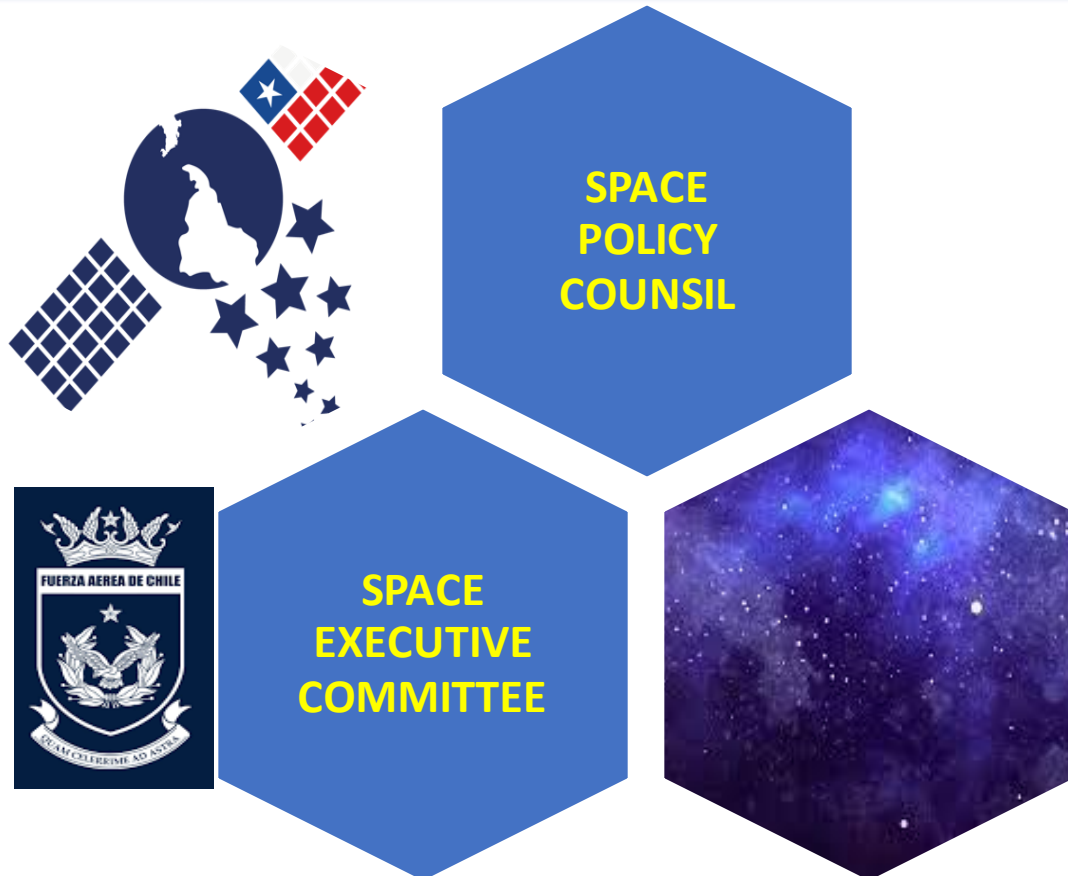
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# I. Policy and Regulatory Framework for Space Activities



**Guideline A:** Adopt, revise and amend, as necessary, national regulatory frameworks for outer space activities:

## NEW CHILE SPACE GOVERNANCE (2022)



### SPACE POLICY COUNCIL & SPACE EXECUTIVE COMMITTEE:

- Ministry of Science, Technology, Knowledge and Innovation
- Ministry of National Defense
- Ministry of Foreign Affairs
- Ministry of Transport and Telecommunication
- Ministry of the Interior and Public Security
- Ministry of National Asset

**Chilean Air Force (CAF)** integrate the Space Executive Committee for National Space Development.

# I. Policy and Regulatory Framework for Space Activities



**Guideline A:** Adopt, revise and amend, as necessary, national regulatory frameworks for outer space activities:

- Chile is a signatory of the 5 Space Treaties
- **Space Policy** (2014)
- **Light pollution** (Decree 43, 3-MAY-2013)
- Registration of space objects (Decree 11, 8-AGO-2015)



**Space Policy in update process**

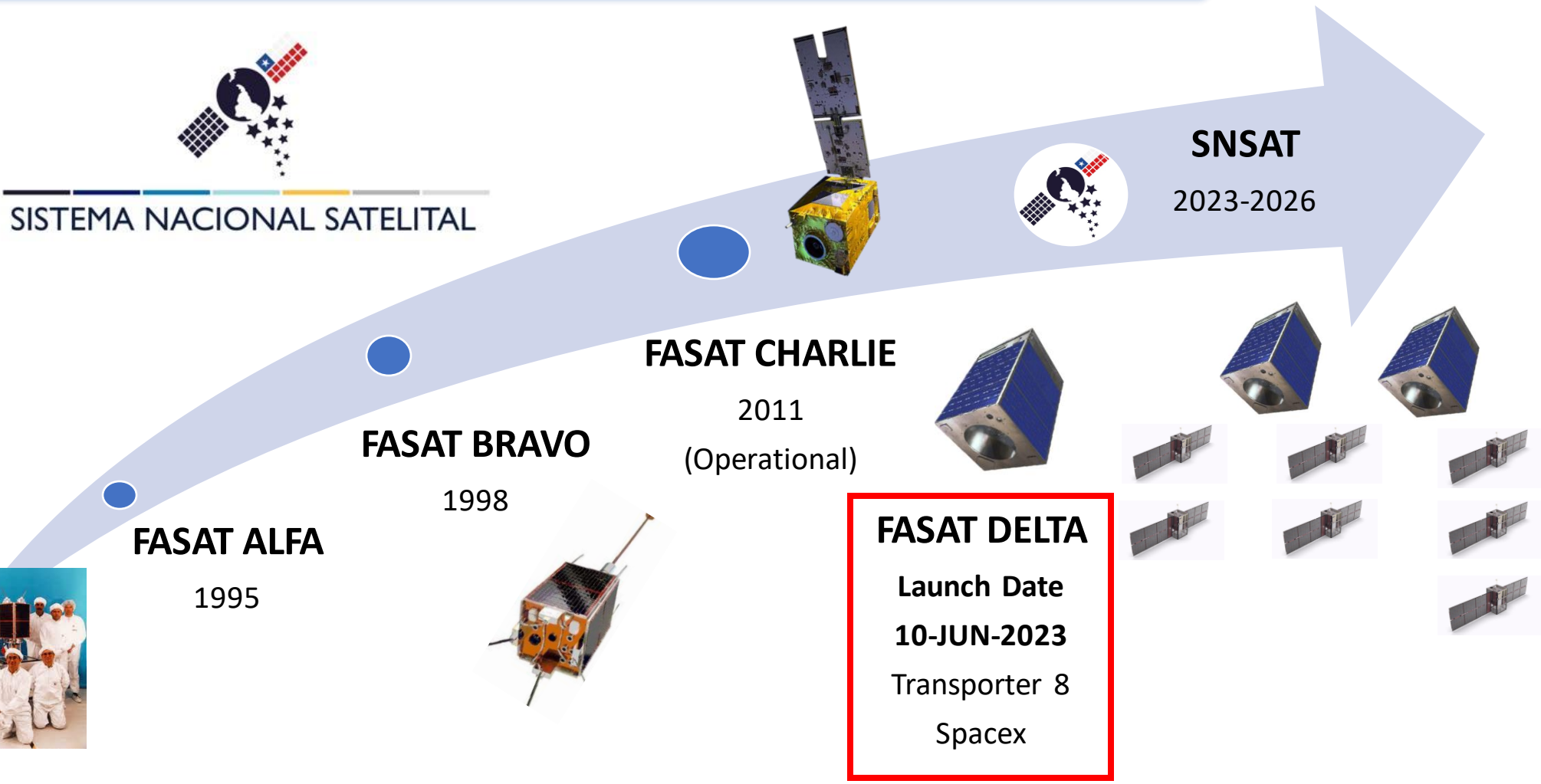


CHILE has 70% of the Astronomical Capacity in his territory.  
CHILE has the concern to keep **DARK AND QUITE SKY**

# II. Safety Space Operations



## PROJECTION AND EVOLUTION OF SPACE SATELLITE CONSTELLATION



# II. Safety Space Operations



**Guideline B** Promote the collection, sharing and dissemination of space debris monitoring information:

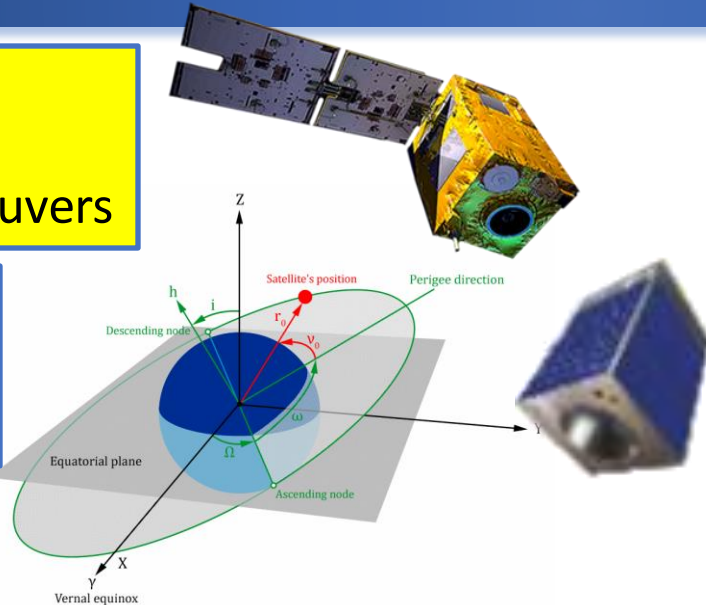
**SSA**  
Space Situational Awareness



Colaboration between USA and Chile – Raven Telescope

**ACM**  
Avoidance Collision Maneuvers

**OCM**  
Orbit Control Maneuvers



**TLE of Satellite**

MOU of SSA and Space Ops  
Support between Chile & USA

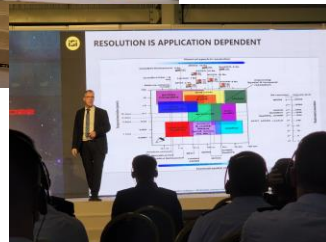
# III. International cooperation, capacity-building and awareness



**Guideline C** Promote and facilitate international cooperation in support of the long-term sustainability of outer space activities



TAM Space Law for New Space Actors  
2020, 2021, 2022



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# III. International cooperation, capacity-building and awareness



**Guideline C** Raise awareness of space activities



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# IV. Scientific and technical research and development

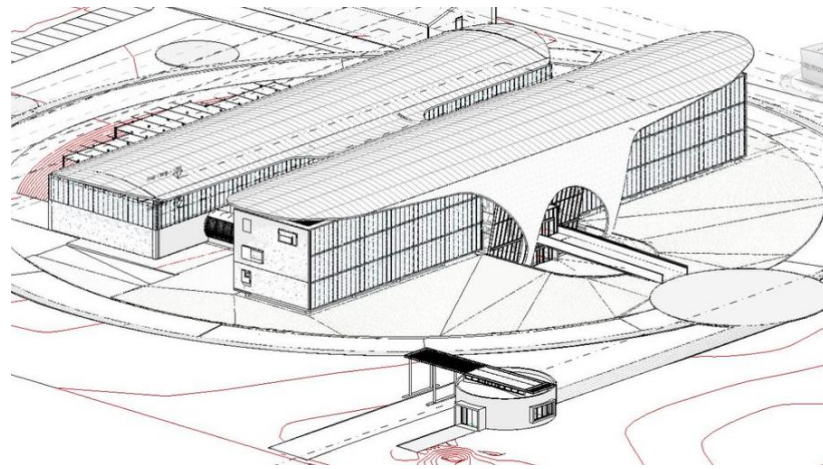


**Guideline D** Promote and support research into and the development of ways to support sustainable exploration and use of outer space

NATIONAL SPACE CENTER



SISTEMA NACIONAL SATELITAL



Santiago

REGIONAL SPACE CENTER

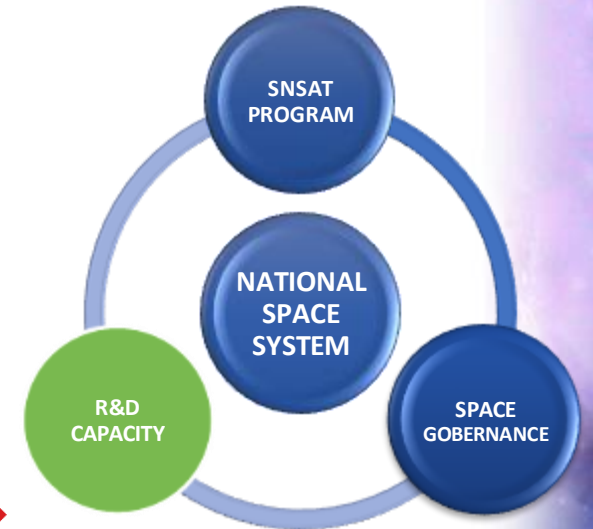


Punta Arenas



Antofagasta

PILAR OF NATONAL SPACE SYSTEM



PUBLIC

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THANK YOU VERY MUCH FOR YOUR ATTENTION

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