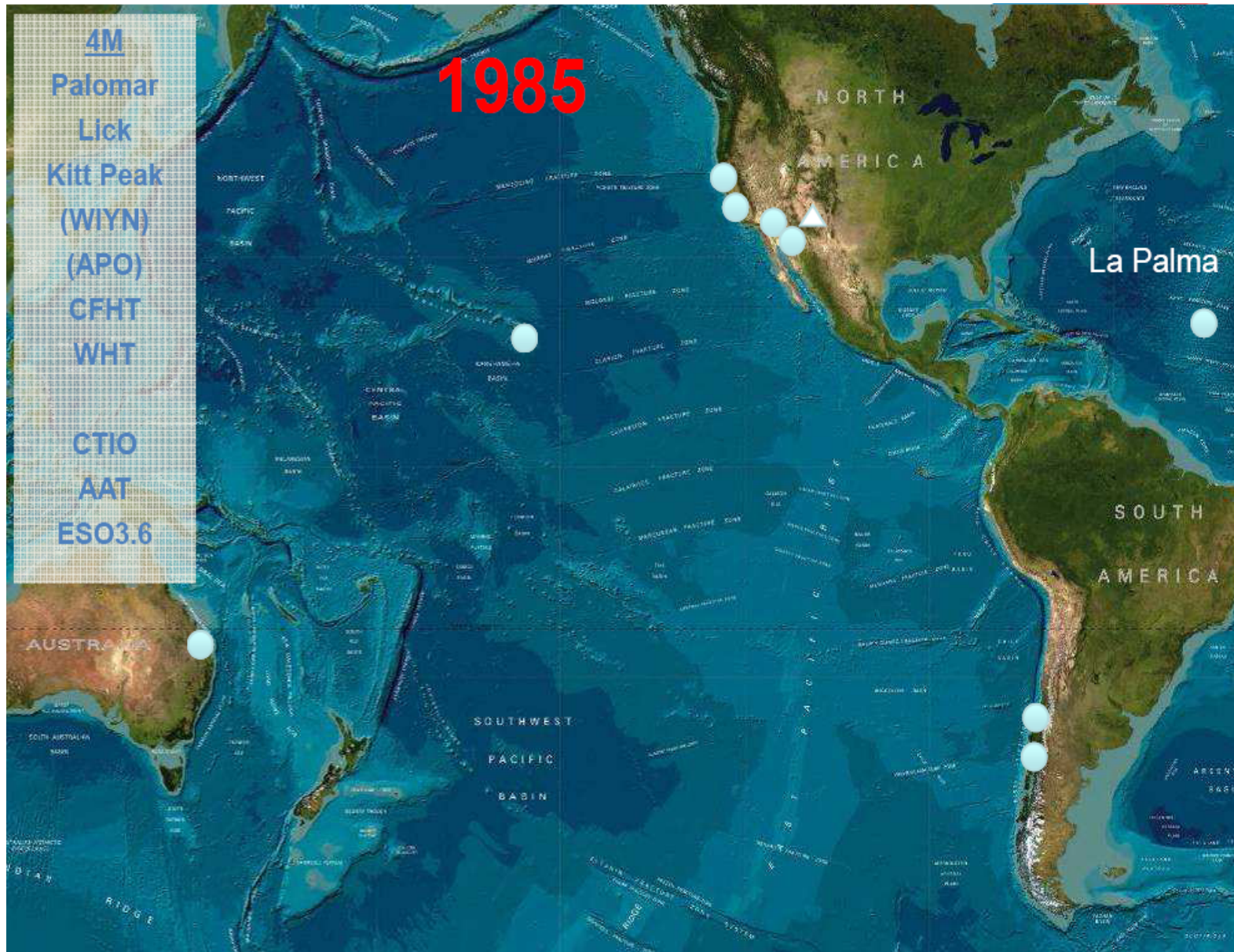




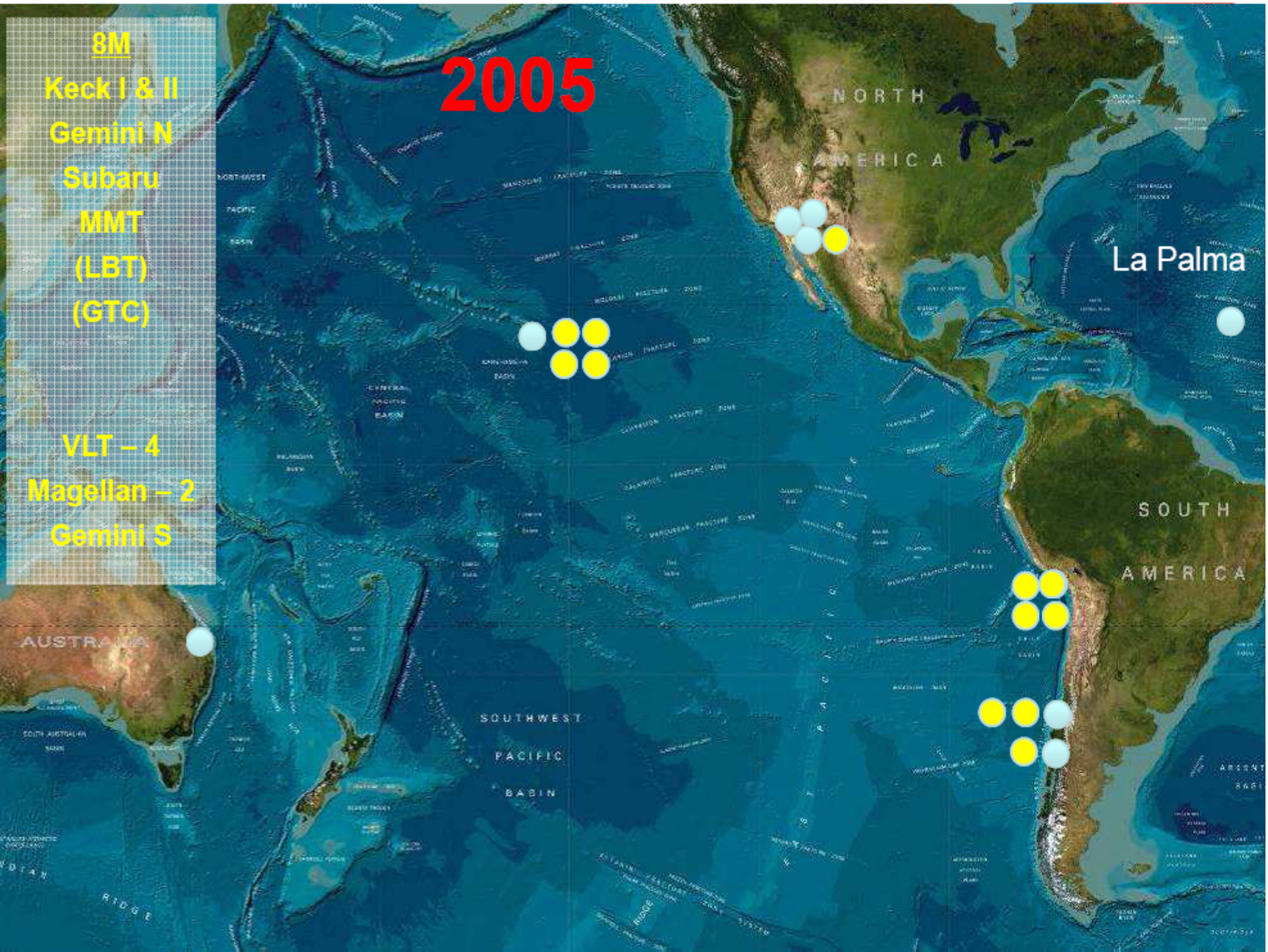
Government policy for protection of  
“dark skies”  
XXIX IAU General Assembly

**Amb. Gabriel Rodríguez G-H**  
**Director Energy, Science & Technology**  
**and Innovation**  
Ministry of Foreign Affairs CHILE

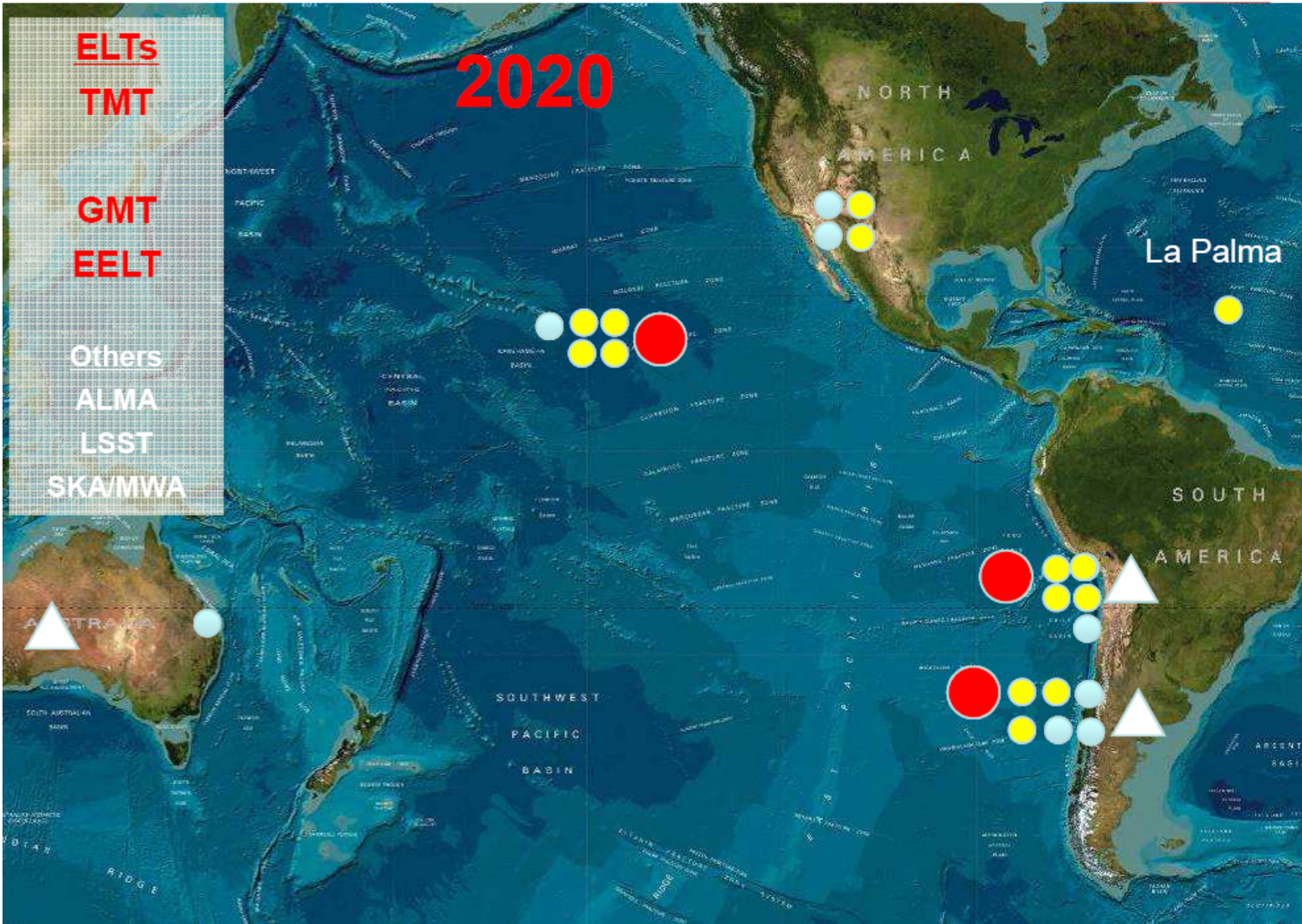
***August 2015***







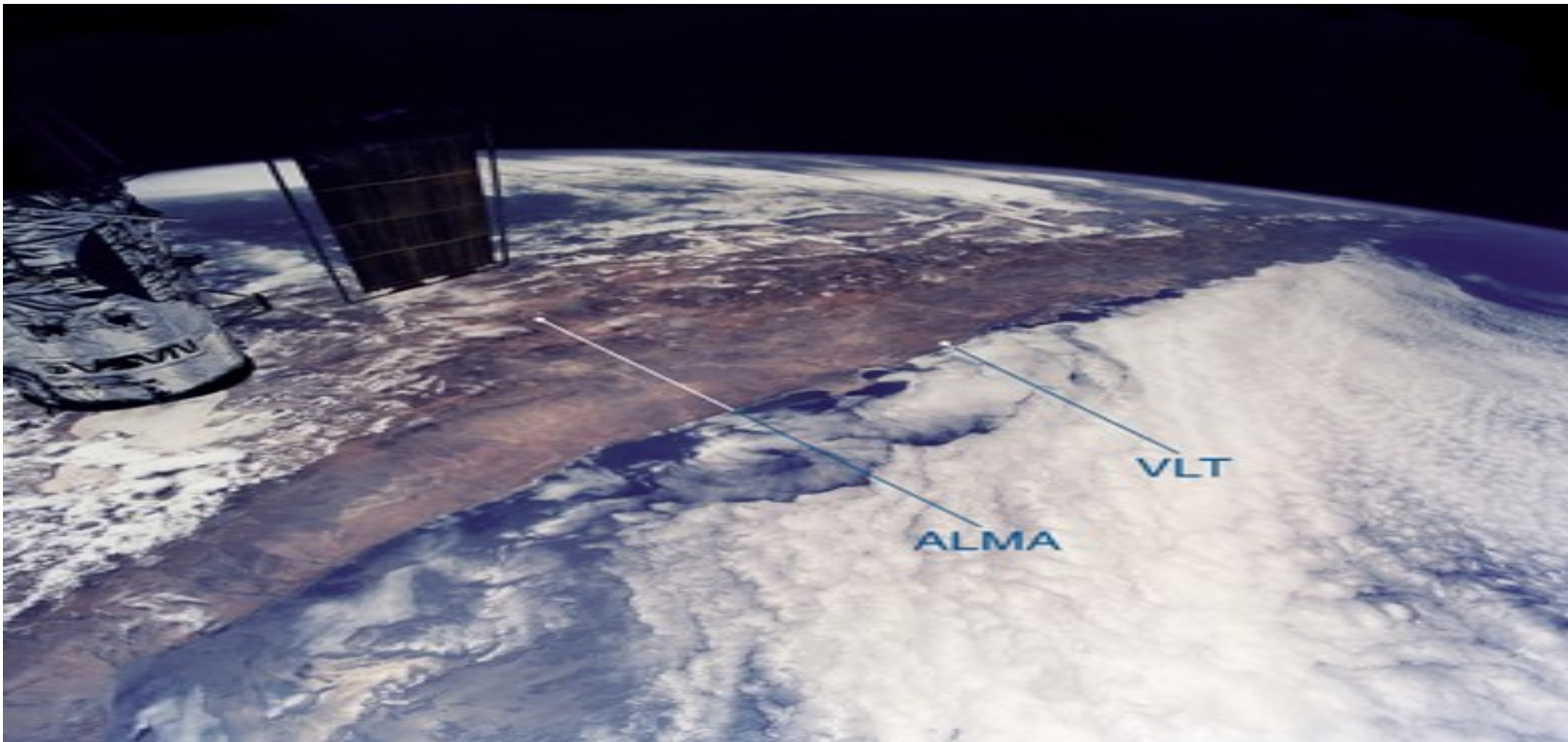






# Why Chile?

- Southern hemisphere observations
  - Clean and dry atmosphere
  - High altitude sites
  - Darkness
- ... plus clear rules and support





- This is one of Chile's Natural resources ... like **Copper**.
- Or a “natural Lab” like Antartica, Humbolt ocean current, arid zones,...

A big opportunity for our country and also for the word, but ...



... keeping these “natural Labs” alive Chile needs to take responsibility.

We are working hard on this, and we are determined to be world leaders in the protection of clean and dark skies.

How to protect this “natural Lab” and create virtuous connections with our own development ?



## GOVERNMENT POLICY:

1. Science support.
2. Development of astro-engineering
3. Education and culture
4. Society involvement

## GOVERNMENT SUPPORT

- Land property access
- Long term concessions
- Infrastructure facilitation.
- Energy supply facilitation
- Declaration of scientific zones
- Diplomatic status for int'l consortia
- One stop govmt. contact window



# HOW TO PROTECT THIS “natural Lab” NOW:



- Clear public lighting rules
- Electromagnetic waves zero zones
- Regulation of mining and Geothermal installations.
- Environmental regulations
- Public education and outreach.



# HOW TO PROTECTO THIS “natural Lab” STRATEGICALLY



- Local community involvement with observatories: e.g. astrotourism
- Education and culture
- Citizens awareness (e.g. “Chile mobile Observatory” App)
- International Observatories awareness of local realities.





## WORLD HERITAGE INITIATIVES

- Moving towards national monument declaration
- World Heritage declaration for astronomical sites.
- International network of historical observatories with local focal points.



# CHILE

[www.thisischile.cl](http://www.thisischile.cl)

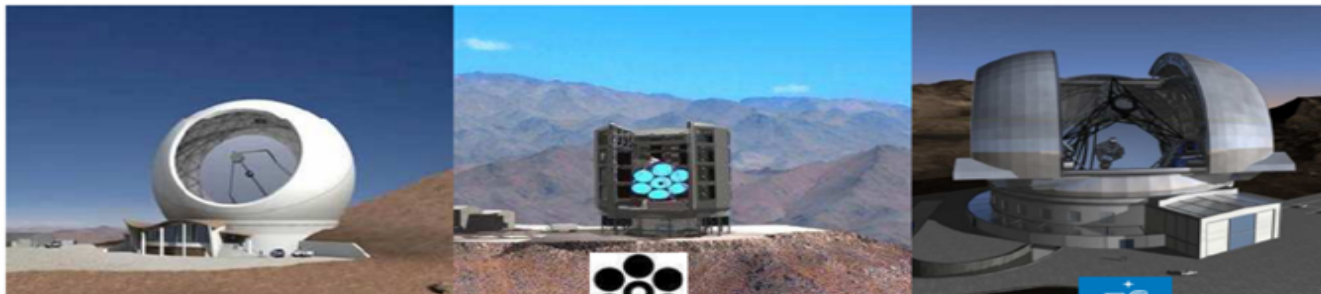
[www.chilemobileobservatory.com](http://www.chilemobileobservatory.com)

(Available in App store and Google play)



Cerro Chajnantor:  
6.5m TAO

Cerro Pachón:  
8m LSST



Cerro Chajnantor:  
25m CCAT

Cerro Las Campanas:  
25m GMT

Cerro Armazones:  
42m E-ELT