

Welcome to the XXXII meeting of the GTC User Committee

La Palma
17 September 2026

Romano Corradi
GRANTECAN





GUC membership

Nadejda Blagorodnova (ICC-UB, Barcelona) 1

Cristina Cabello González (CAB CSIC-INTA, Madrid) 1

Ana Acebrón Muñoz (UC) 2

Fabián Rosales Ortega (INAOE) 2

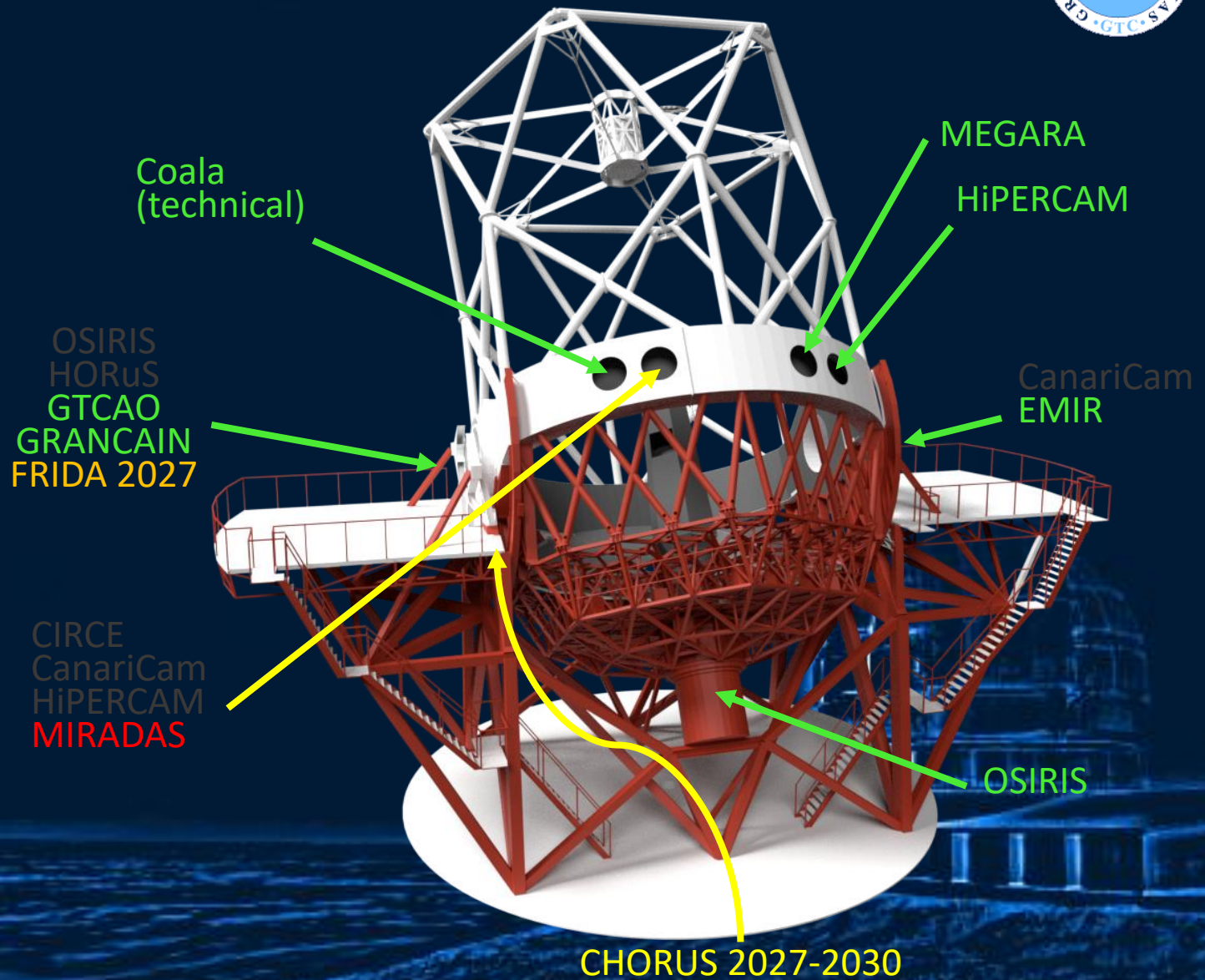
Mireia Montes Quiles (ICE-CSIC) 3

Manuel Pérez Torres (IAC) 3

Julia de León Cruz (IAC) 3

Charlie Telesco(UF) 4

Overall status



Other instrumental upgrades and projects

Focus in this period was on:

- Science operations
- improving optical performance and AO commissioning (*Sergio F.*)
- Data reduction and distribution system (*A. Cabrera*)

Progressing:

- Waiting for the completion of the analysis of the imaging polarimetry test done in OSIRIS (F. Prada and TNG)
- MAAT imager slicer for OSIRIS (F. Prada)
- FRIDA (*A. Watson, J. Castro*)

Delayed:

- MIRADAS
- New-technology detector from Tsinghua University
- Intensity interferometry proof of concept at GTC(F. Prada)





Future instrumentation

1. AO → MCAO (dual conjugated) + FRIDA adaptation

Contract awarded to IAC. Budget: 4.9 M€ + new 4k FRIDA detector (2 M€, Strategic Plan)

2. Optical+NIR imager and spectrograph.

Tender process initiated. Budget: 18.5 M€

Strategic Plan 2024-2028 (as approved by Ministry)

- 4.3 M€ (85% FEDER, 15% self-funded) requested to MICIU → positive preliminary resolution

Science instruments and data	1. Diffraction-limited observations 1.1 Integrate FRIDA and complete GTC AO+FRIDA commissioning ● 1.2 Integrate and commission the laser guide star ● 1.3 Improve optical calibration ● 1.4 Improve dome seeing ●	5. Telescope and installation 5.1 Provide access to focal stations ● 5.2 Upgrade telescope axes ● 5.3 Upgrade dome and shutters ● 5.4 Remodel electrical system ● 5.5 Improve mirror cleaning ● 5.6 Refurbish the M2 Drive Unit ●	Installation and operations
	2. Upgraded and new instruments 2.1 Install selected visitor instruments ● 2.2 Complete MIRADAS commissioning ● 2.3 Install the high-resolution spectrograph CHORUS ●	6. Operations and maintenance 6.1 Evolve the architecture of the GTC control system ● 6.2 Upgrade the <i>user layer</i> ● 6.3 Develop a <i>scheduler</i> ● 6.4 Extend digital transformation ● 6.5 Rebuild FEM model ● 6.6 Large-range metrology equipment ●	
	3. Future instrumentation 3.1 Upgrade AO (MGTC AO/FRIDA+) ● 3.2 Develop optical and infrared instrument (OPTIR) ●		
	4. Science-ready data 4.1 Automate Quality Control and data distribution ● 4.2 Process archival observations ●	7. Sustainability and social and gender commitment 7.1 Increase solar energy production ● 7.2 Improve energy efficiency of GTC building ●	Transv.



Thank you very much for your contribution
I wish you to have a fruitful meeting