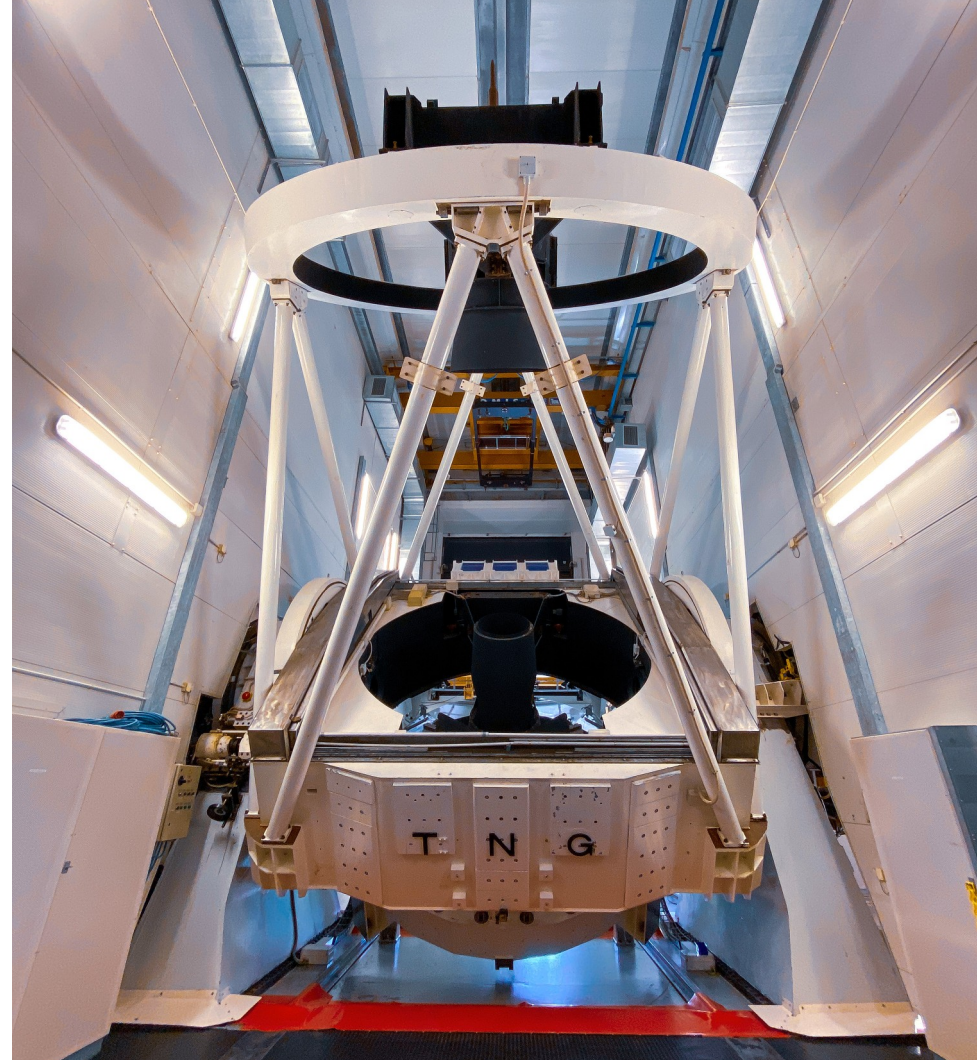


telescopio nazionale galileo

Adriano Ghedina



- 3.6m, RC, 2 Nasmyths, Vis-Nir
- Property and Funded by INAF
- Managed by **Fundación Galileo Galilei -INAF** (Canary Islands Foundation)
- First light 1996
- Staff of 32 people
- Also involved in ASTRI-MA, WEAVE Archive, Strip

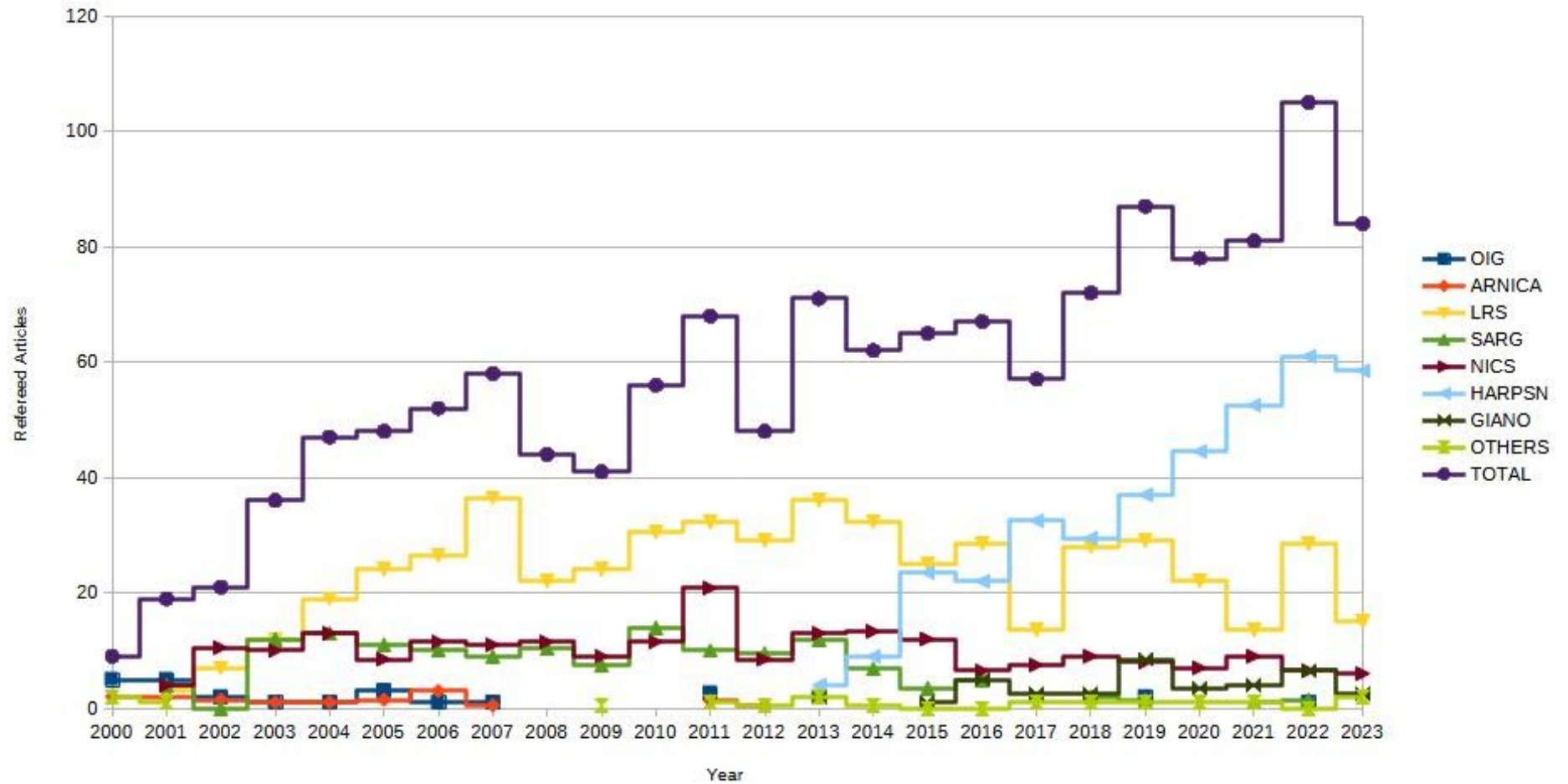


Instrumentation

- **Dolores** (2000) VIS Imaging and LR Spectr (MOS and LS)
- **NICS** (2000) NIR (0.9-2.5um) Imaging and LR Spectr
- **GIANO** (2012) 0.9-2.5um HR Spectroscopy (R ~50000)
- **HARPS-N** (2012) VIS Hi-Res Spectroscopy (R ~115000)
- **LCST** (2015) Sun as a star feeding HARPS-N (every day)
- **GIARPS** (2016) 0.3-2.5um **simultaneous HR** Spectr
- **SiFAP2** (2018-PI) 8ns Photometer



TNG publications 2000-2023



new instrumentations

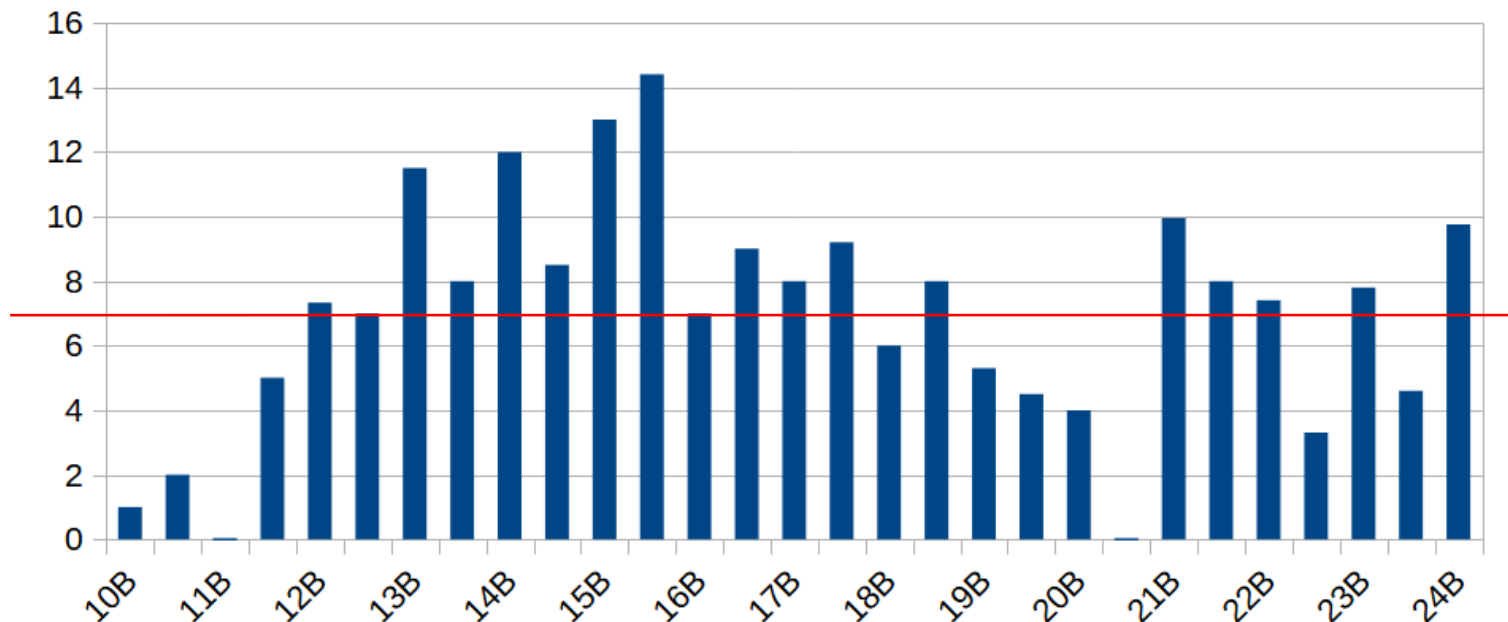
- **LOCNES** – sun as a star for the NIR (exp.2025)
- **e.SiFAP** – extended to 1.6um with polarimetry (exp.2026)
- Wide Band **Laser Frequency Comb** calibrator
@10 & 20GHz for VIS/NIR HR spectr. (exp.2026)



TNG with **o**pticon

Allocated nights per semester

average <6.95>



First call
in semester
2010B

108
approved
proposals

More than
200
allocated
nights

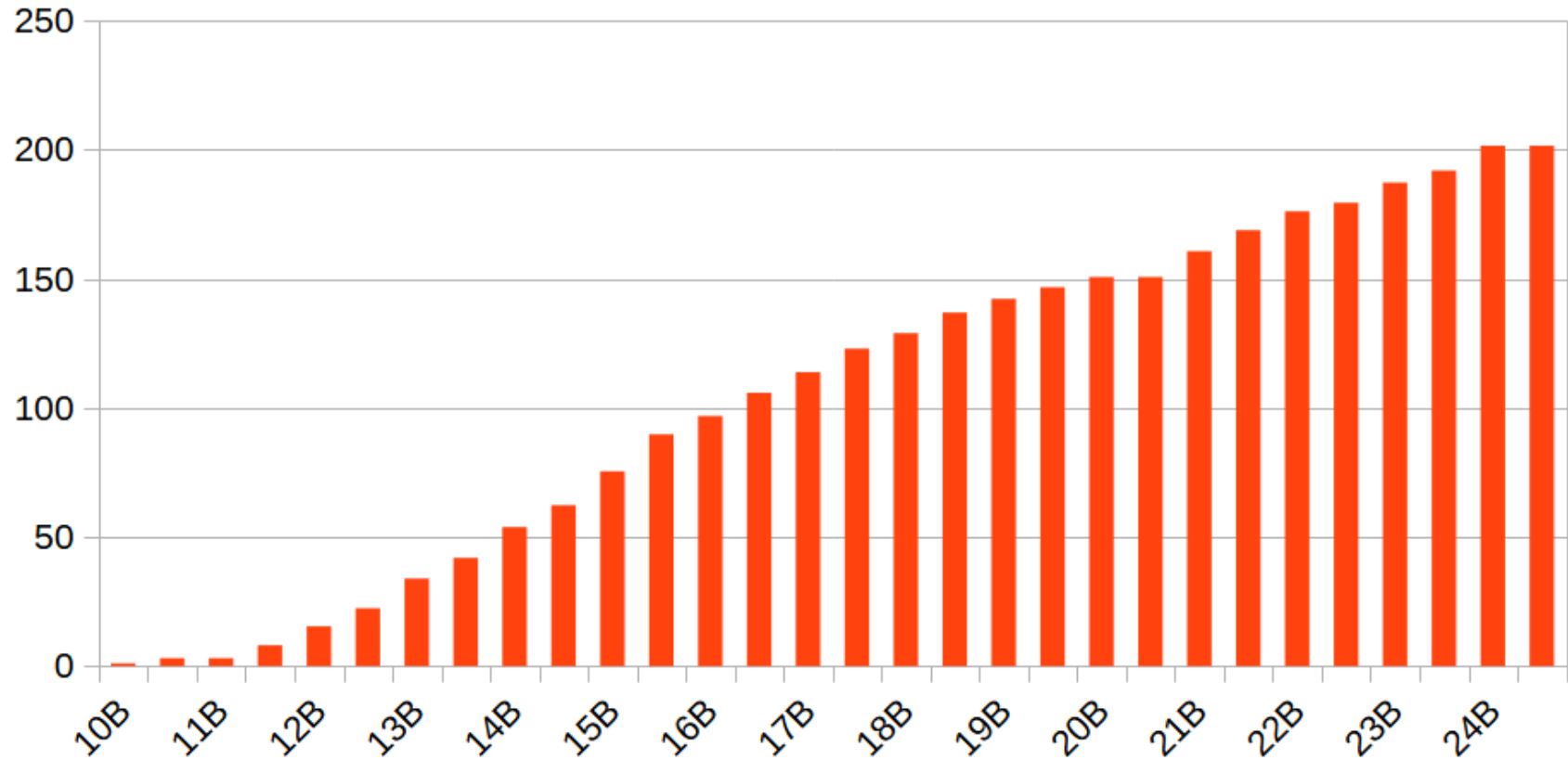
04/10/2024



Adriano Ghedina TNG

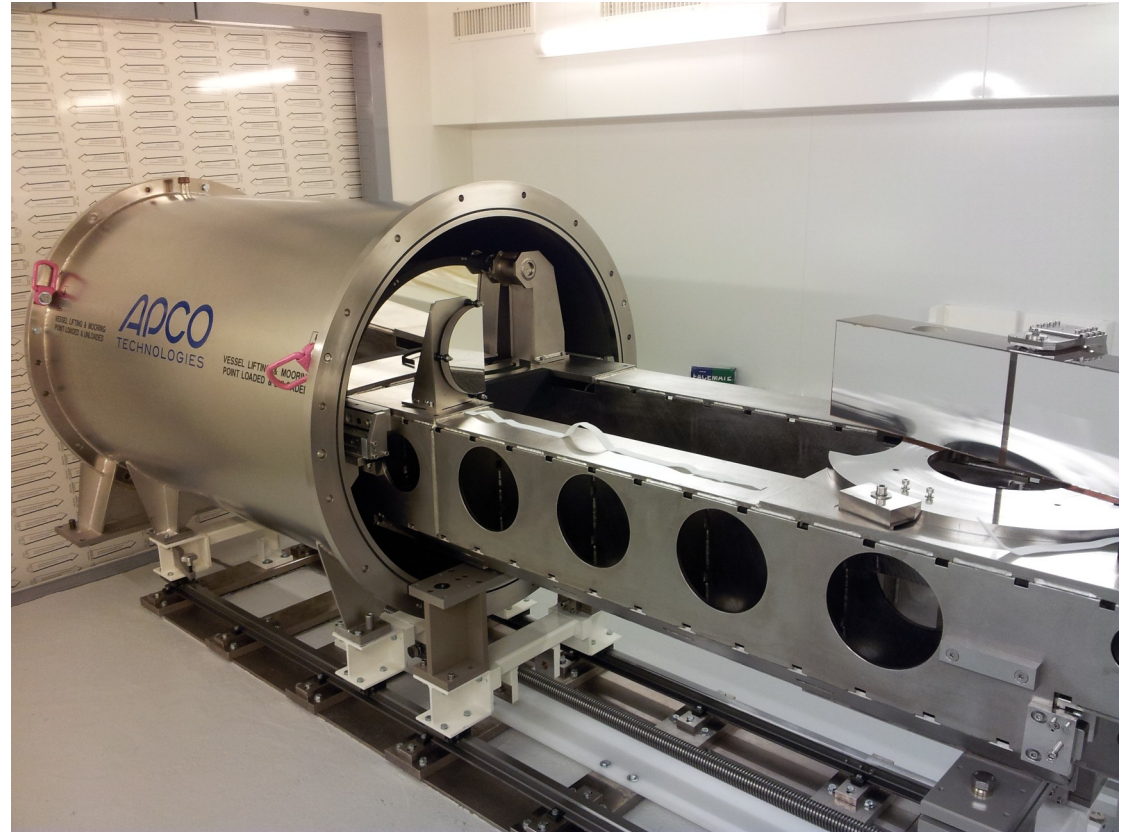


Cumulative number of nights



Allocated nights per instrument

HARPS-N	113
GIANO	7
GIARPS	13
DOLORES	47
DOL/NICS/ HARPSN	6.33
NICS	12.3
SARG	3



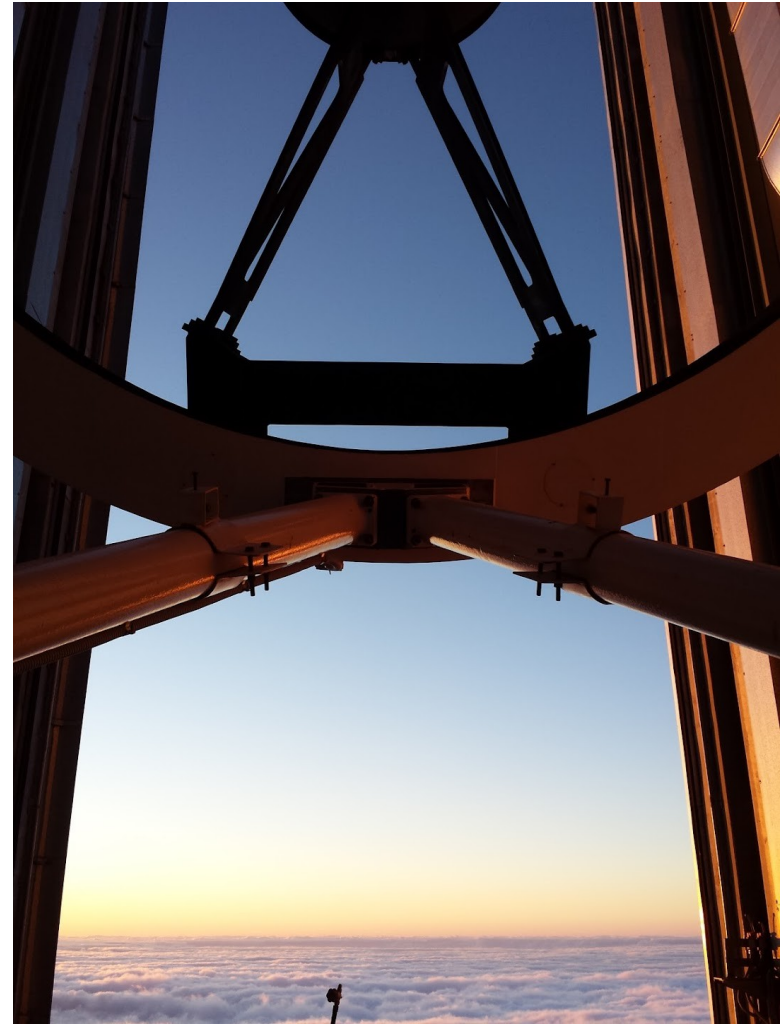
Feedback to the Alliance

- Definitively a positive experience, both for astronomers and for the TNG;
- Production of several (~20) refereed papers;
- Reached the goal to allow EU researchers to have access to top level instrumentation;



The future of TNG within the Alliance

- Interested in being involved in future collaborations for astronomical research;
- TNG is available for 1 unfunded year with 7+7 nights per semester, to keep the momentum and eventually allow complete programs;
- TNG not available for space communications;



Thanks

