



MOSAIC instrument Project Status



European
Southern
Observatory
www.eso.org



*Cerro Armazones, December 2025
Planned first light: March 2029*

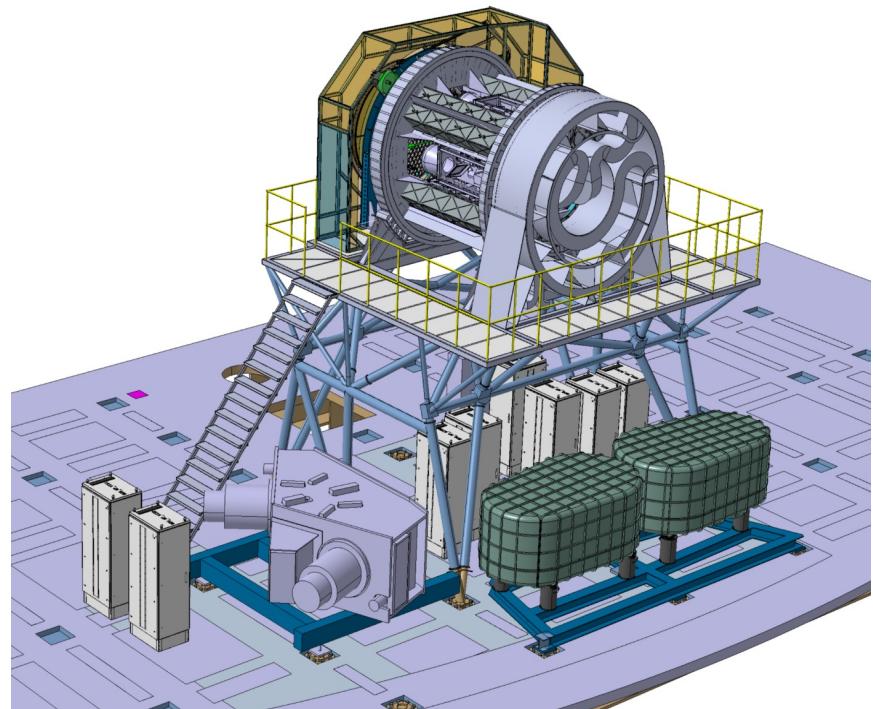


MOSAIC in a nutshell



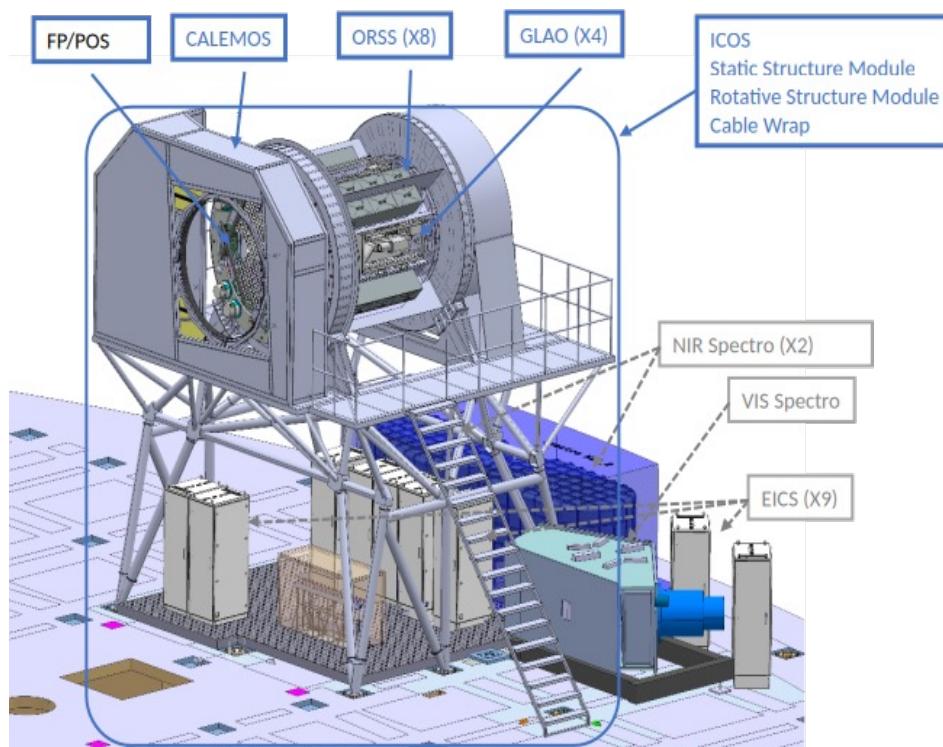
- **MOSAIC** is a versatile Multi-Object Spectrograph, to be located at the Nasmyth A platform of the ELT

- **Wavelength coverage:** 0.39 to 1.8 microns
- MOSAIC is intended to use the widest possible FoV provided by the ELT: ~40 arcmin²
- Two observing modes: **MOS & mIFU**



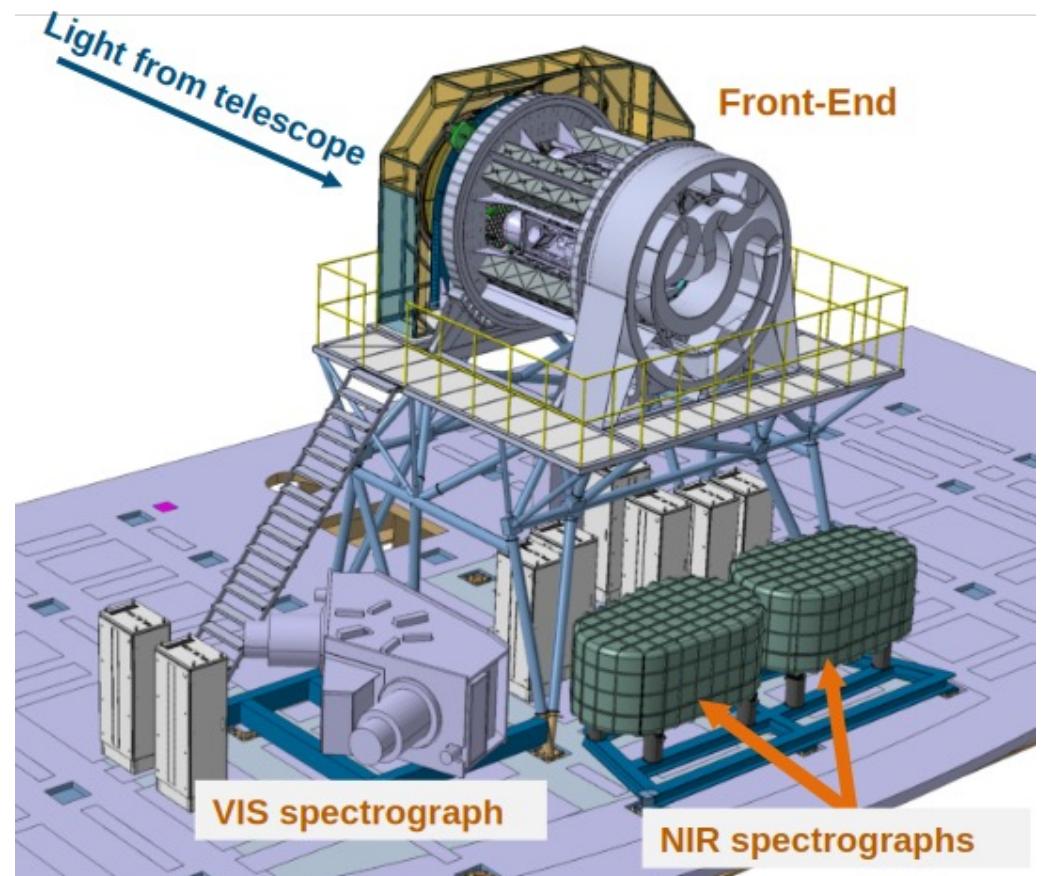


MOSAIC on Nasmyth platform



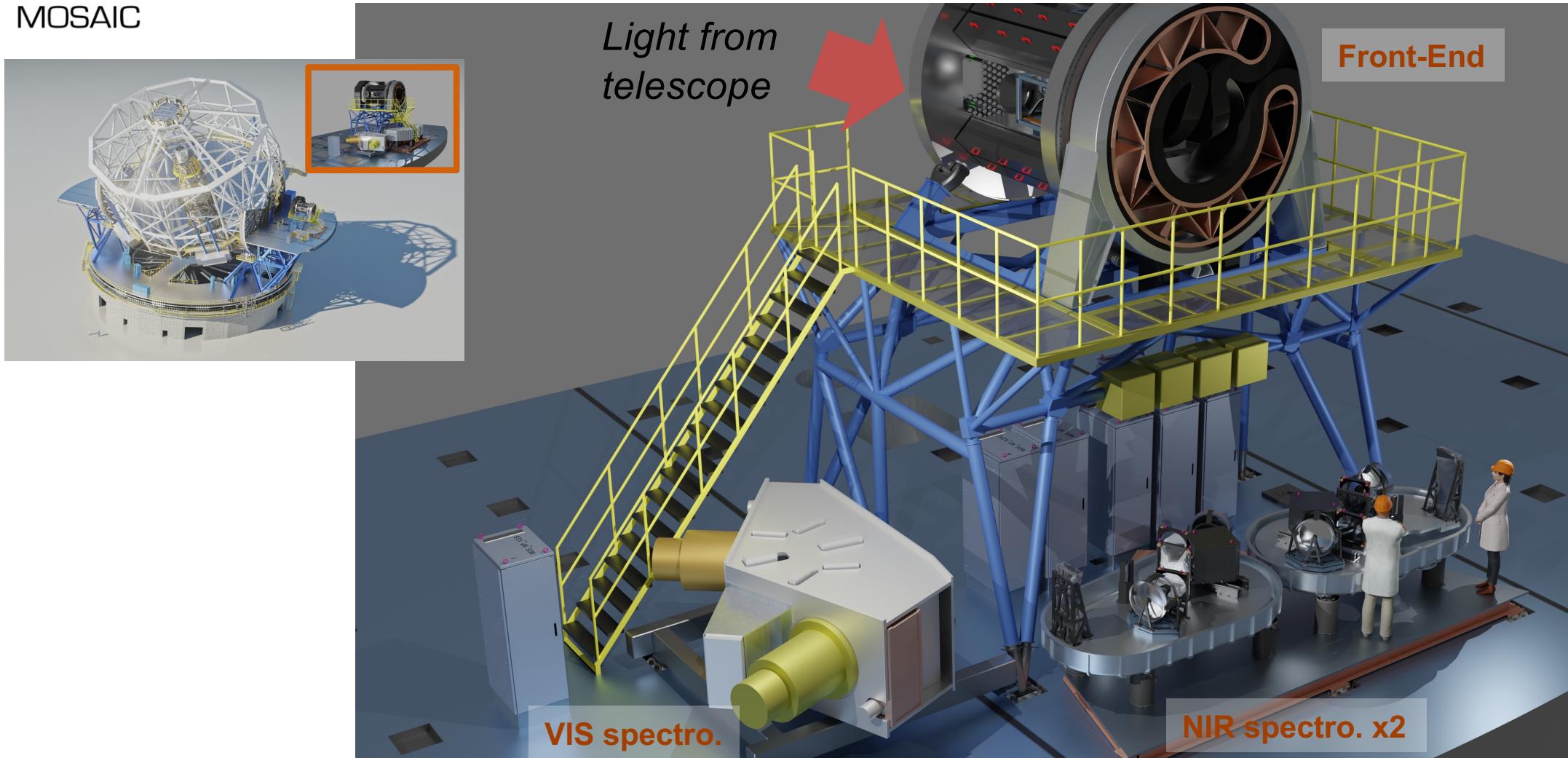
NIR Spectro (X2)
VIS Spectro
EICS (X9)

All MOSAIC modes will be assisted by **Ground-Layer Adaptive Optics** using both **Natural and Laser Guide Stars**





MOSAIC on Nasmyth platform





MOSAIC Consortium

MOSAIC Consortium

- 25 Institutional Partners
- 33 Laboratories
- 14 countries
- ~350 members

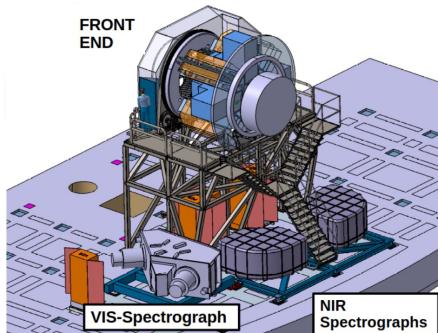
The consortium is responsible for raising the complete construction and commissioning funding of the instrument, including contingencies and functioning costs

ESO Milestones	Dates Baseline
Phase B1 KOM	15/03/2023
SAR	28-30/04/2025
Phase B2 KOM	2025-Q2
ESO-PDR	2027-Q1
Funding Review Approval	2027-Q2
LLI-FDR	2027-Q4
ESO-FDR	2029-Q3
IRR	2031-Q3
PAE	2032-Q4
PAC	2034-Q1



J. Gallego Spanish representative & co-chair of the Board

MOSAIC Organisation

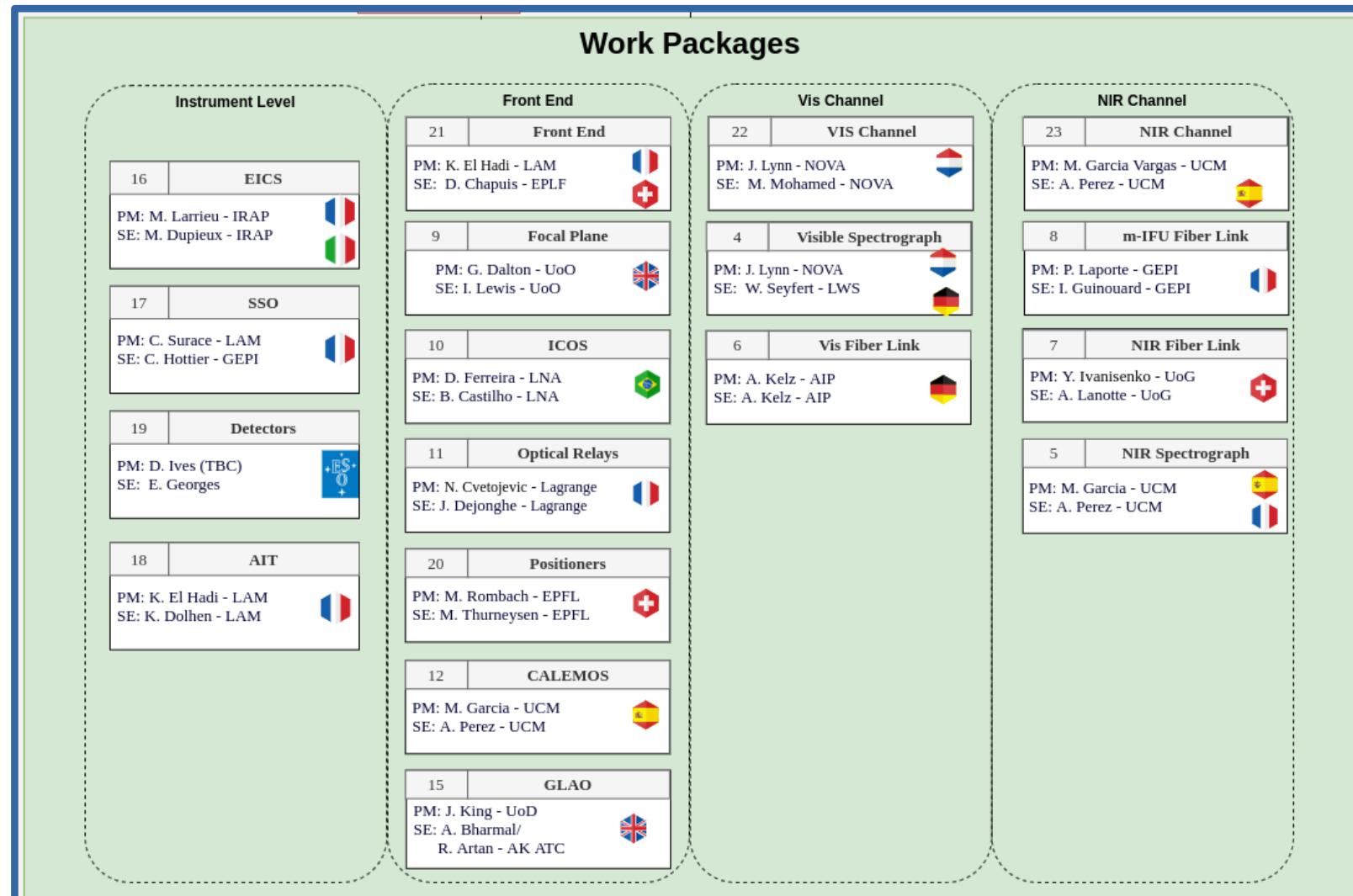


Organisation by channels:

- Front End (including GLAO)
- Visible
- NIR



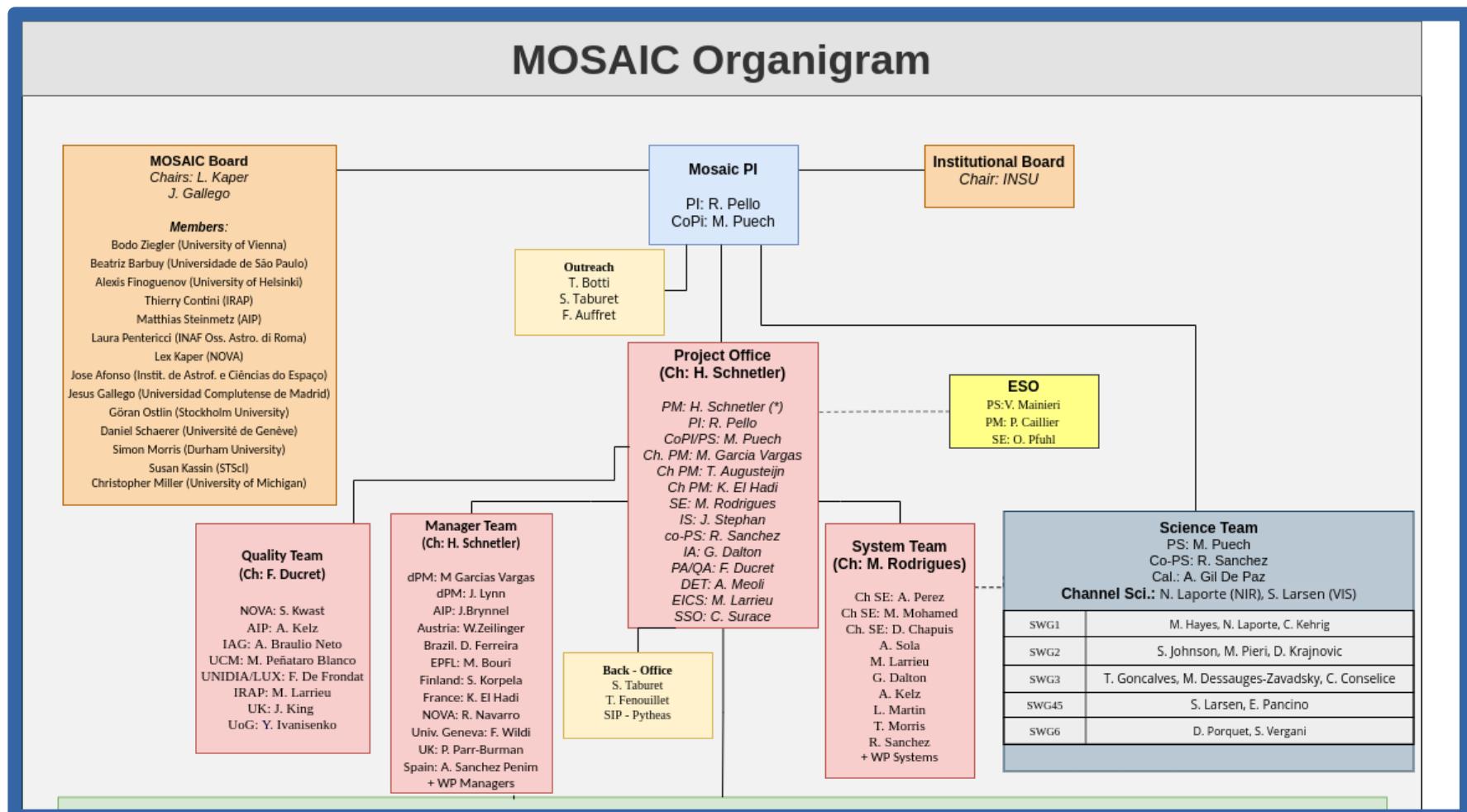
+ Instrument Level





Enlarged
Project
Office, led by
our new
Project
Manager,
Hermine
Schnetler

Project update (since SAR):



International/ESO context

- Approved by the Council in December 2021
- Phase B1 Kick-Off Meeting 14-15/03/23 in Paris
- Signature of ESO/CNRS B1 Phase Agreement (8/08/23)
- **JUN24:** System Requirements Review (SRR), at UCM
- **APR25: Specifications and Architecture Review (SAR)**
ESO headquarters, Garching
 => End of the Phase B1
- **16-18/09/2025: Phase B2 KOM & Progress Meeting** at LAM (Marseille).
 => Starting the phase B2 (until the PDR)
- **27-29/10/2025: Consortium Science Meeting** in Amsterdam
KOM for the Red Book



Project Status

- **01/12/2025: MOSAIC signing ceremony at ESO**
Starting the phase B2 (until the PDR)





Contractual Key Milestones

