

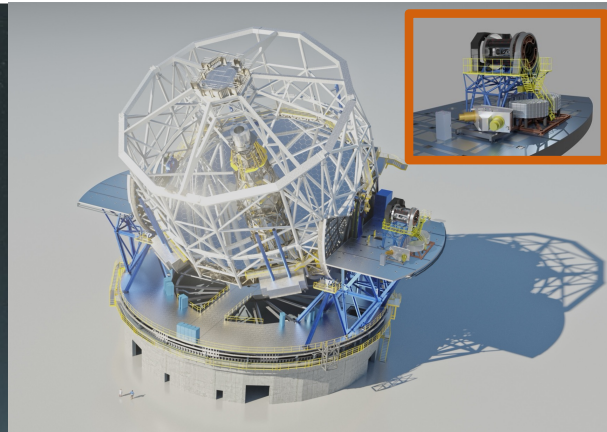


# MOSAIC instrument Project Status



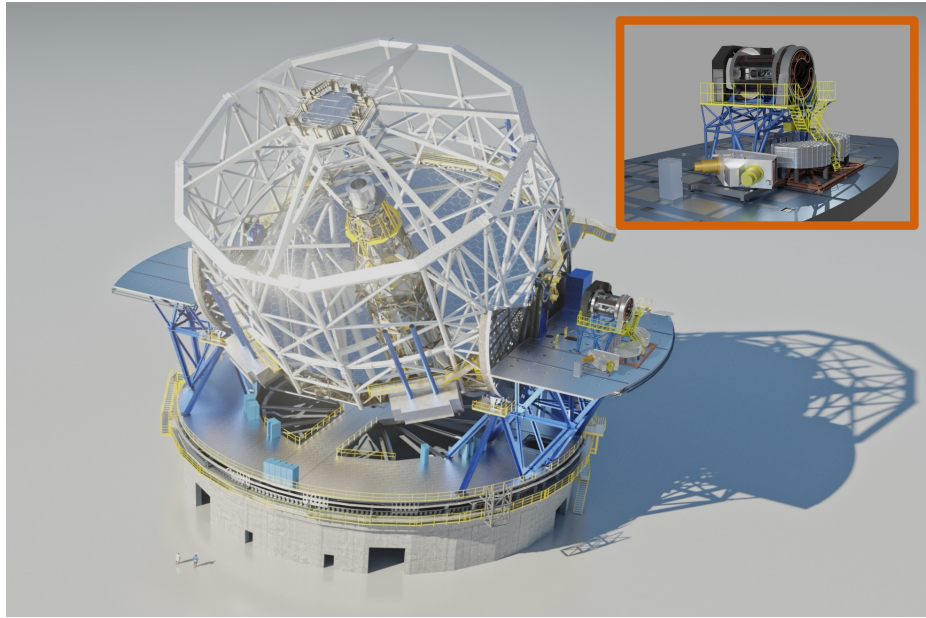
European  
Southern  
Observatory

[www.eso.org](http://www.eso.org)



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

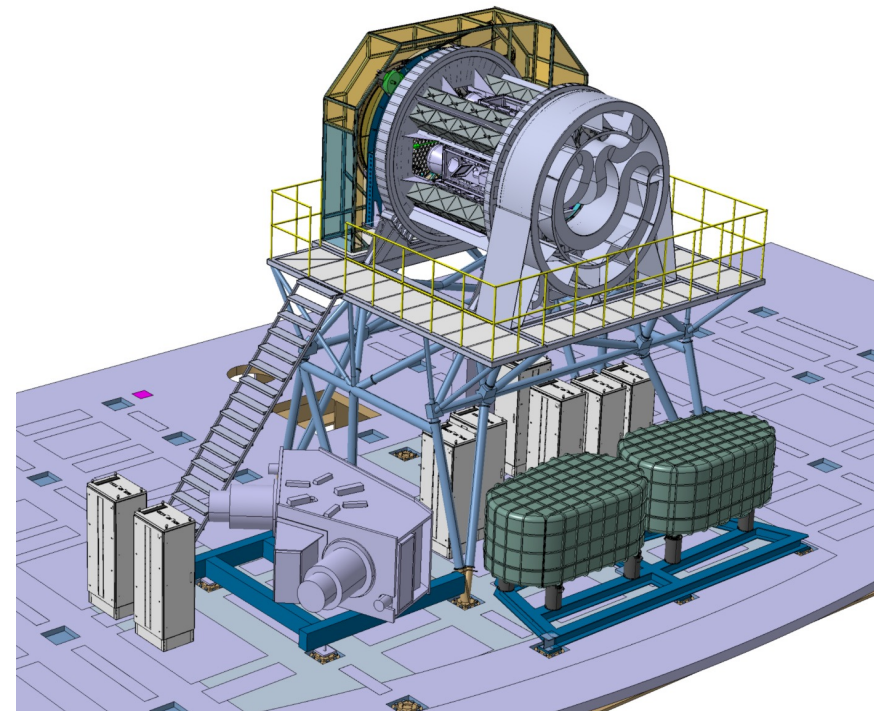




# ***MOSAIC in a nutshell***

- **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 arcmin<sup>2</sup>
- Two observing modes: **MOS & mIFU**

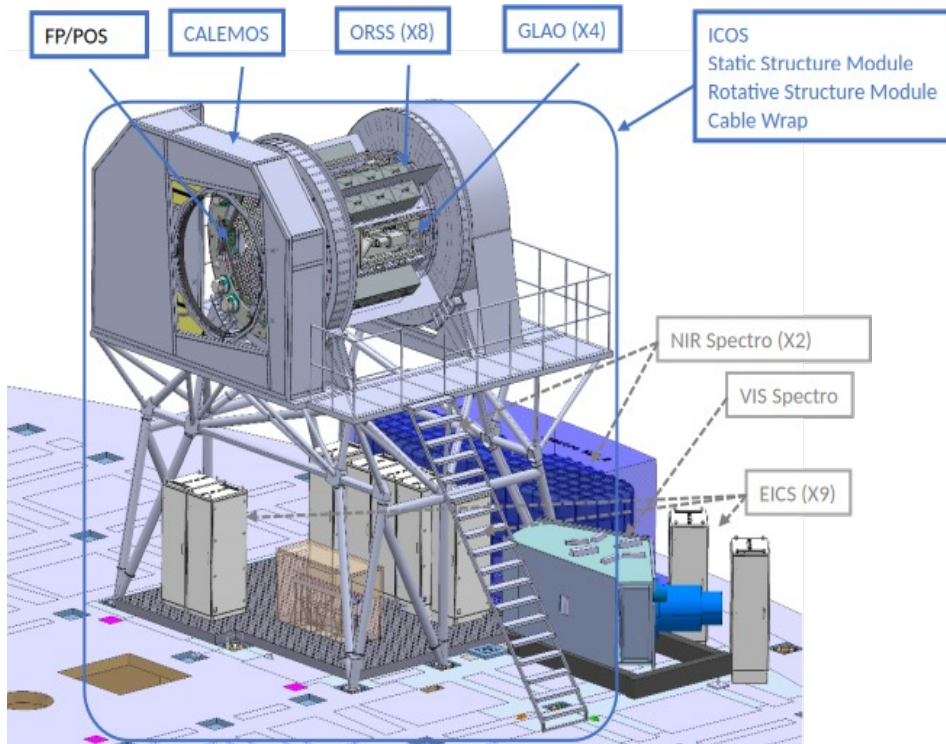




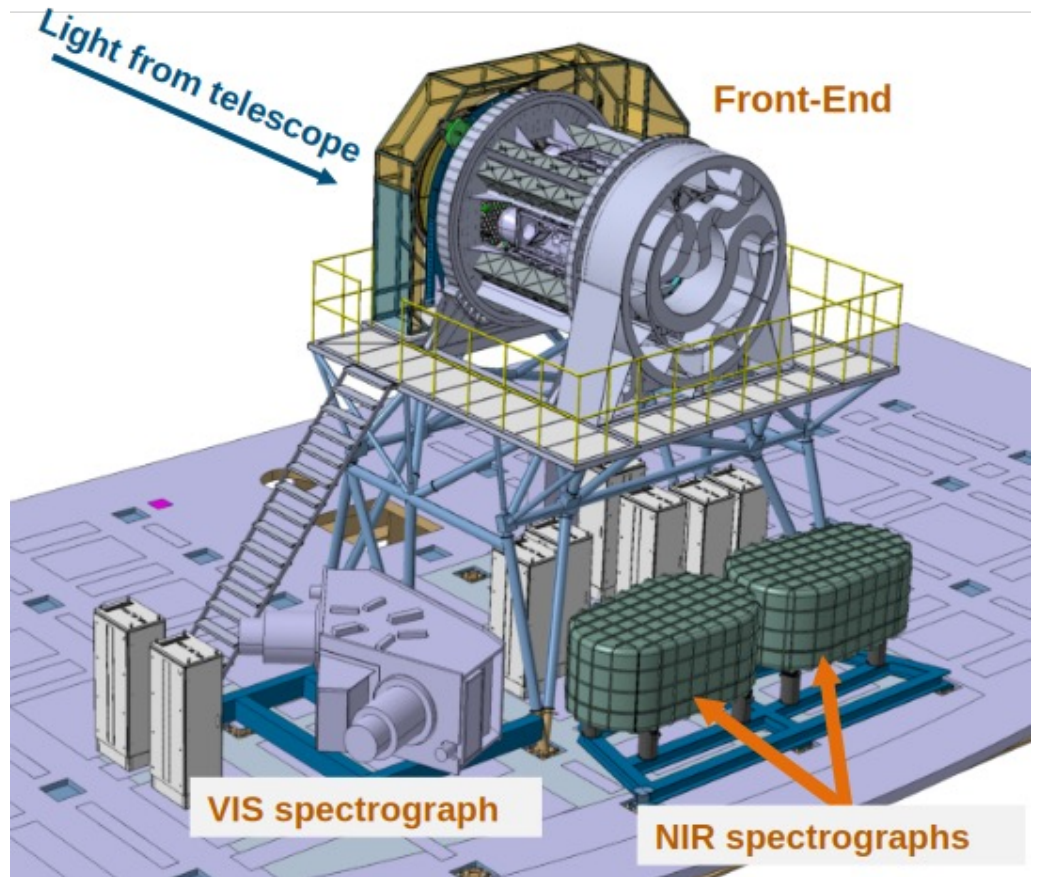


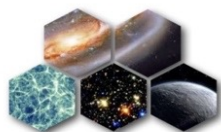
MOSAIC

# MOSAIC on Nasmyth platform



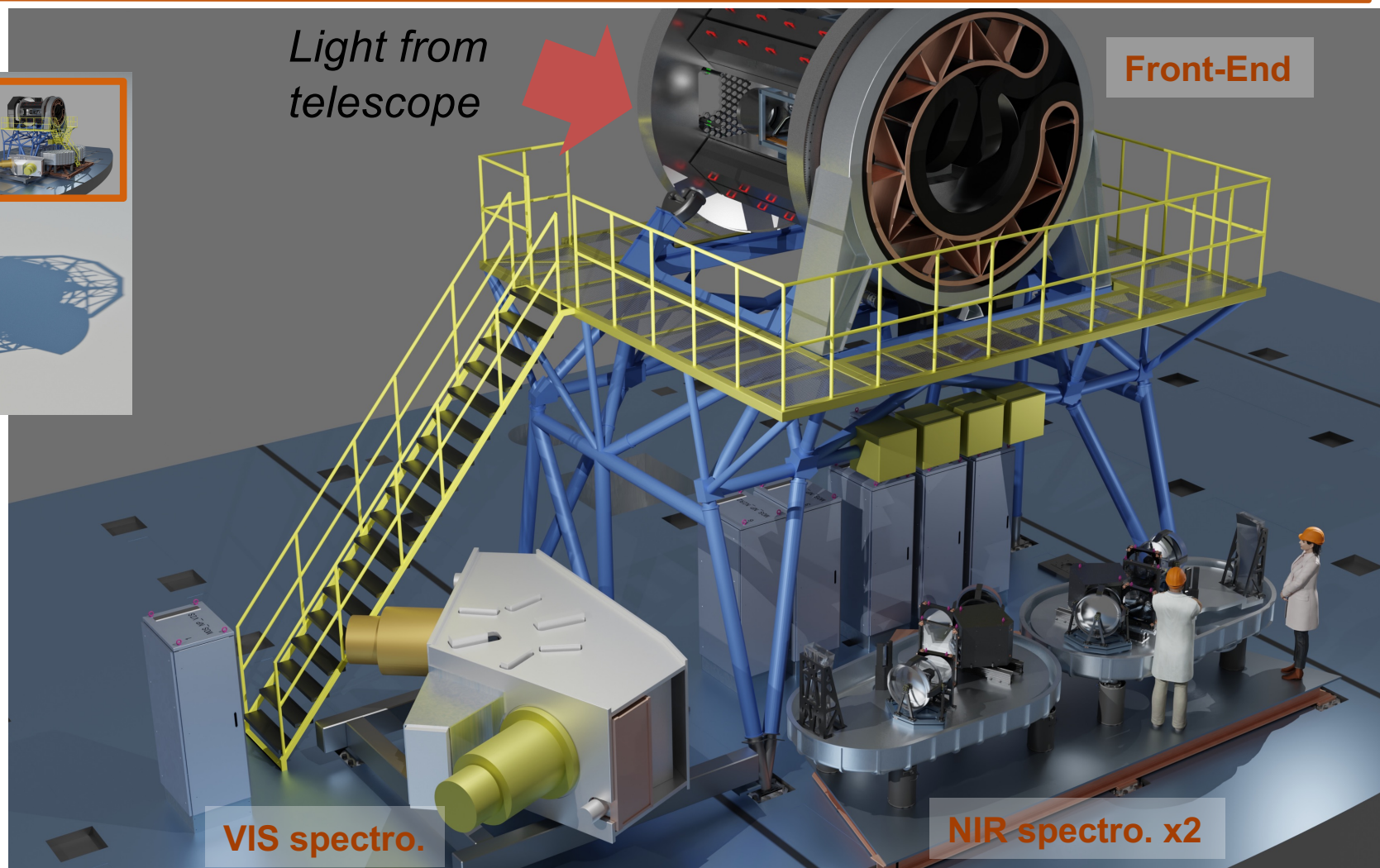
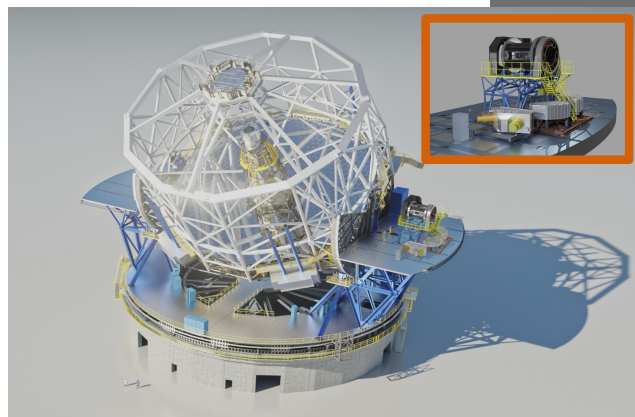
All MOSAIC modes will be assisted by **Ground-Layer Adaptive Optics** using both **Natural and Laser Guide Stars**





MOSAIC

# MOSAIC on Nasmyth platform







MOSAIC

## MOSAIC Consortium

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

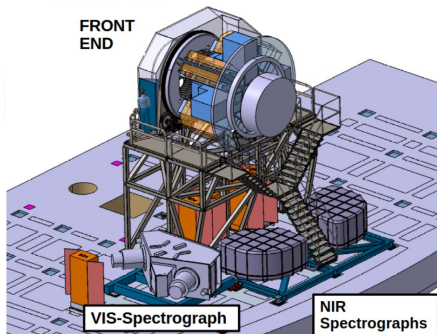
*The consortium is responsible for raising the complete construction and commissioning funding of the instrument, including contingencies and functioning costs*

# MOSAIC Consortium



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



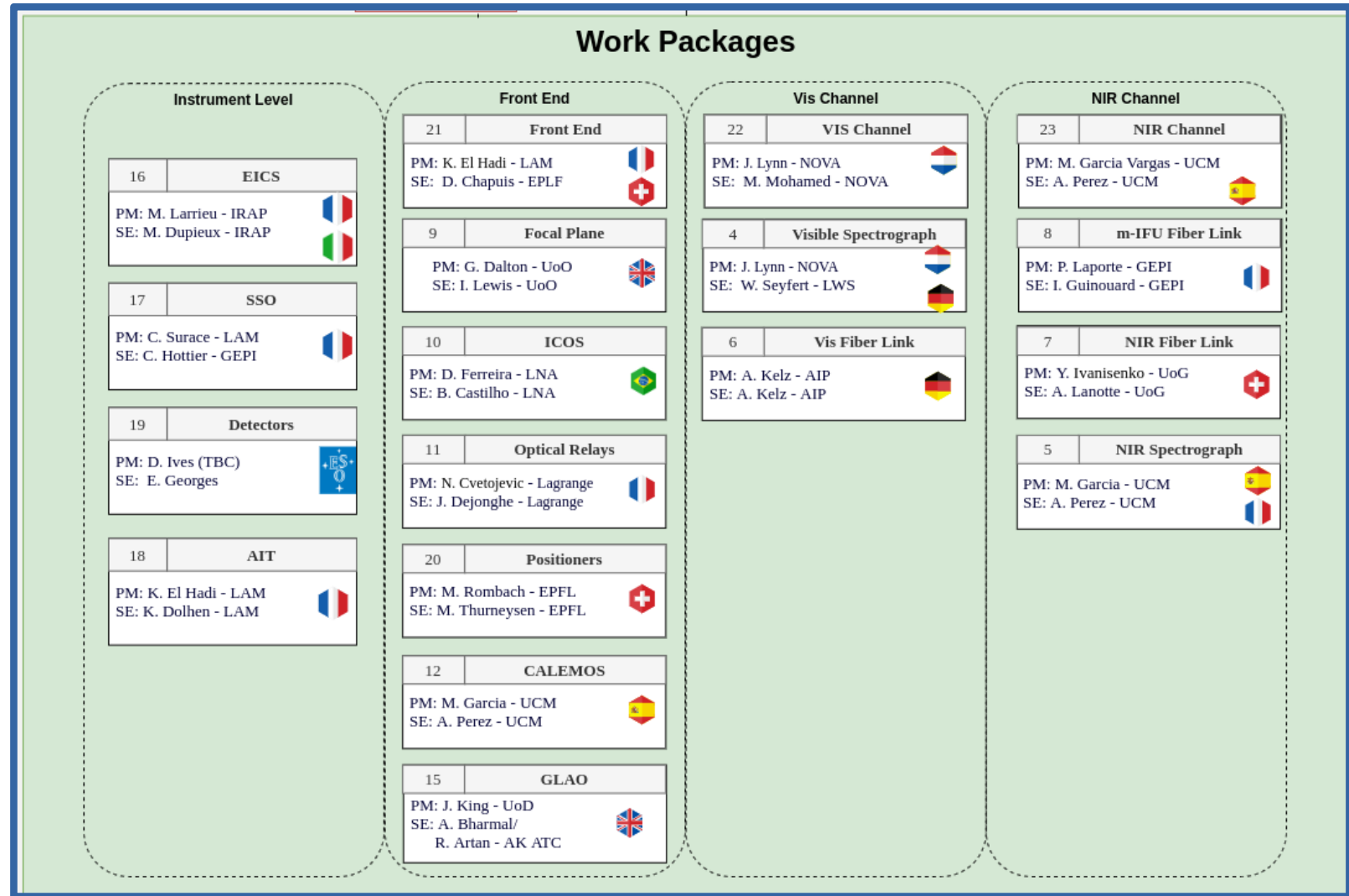
# MOSAIC Organisation

## Organisation by channels:

- Front End  
(including GLAO)
- Visible
- NIR



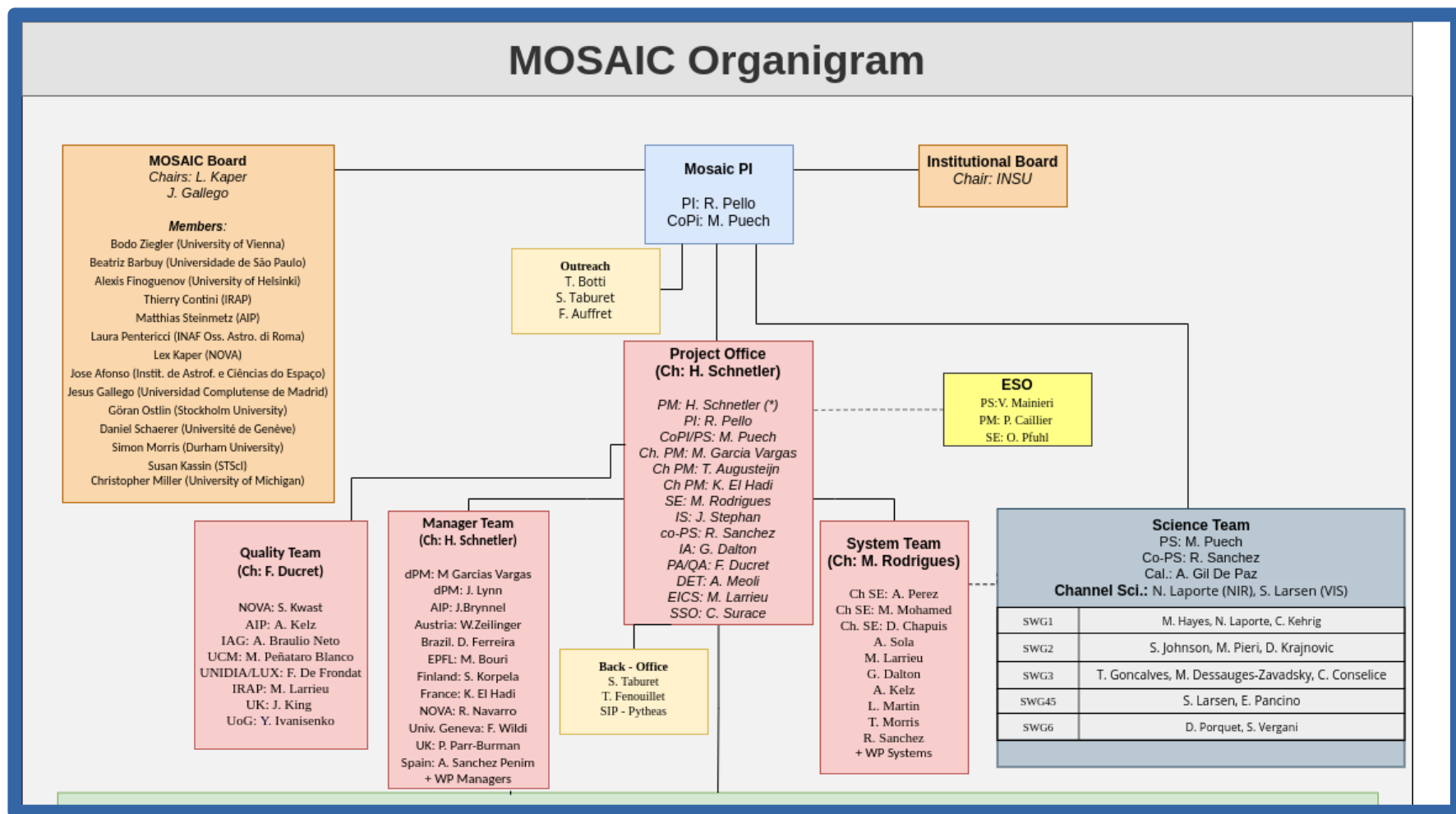
+ Instrument Level





# Project update (since SAR):

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





# Project Status

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## 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



Dates reflects contractual dates as defined in  
ESO-349511MOSAIC SOW

**\*\* Important note:**

If it is possible to conclude funding review (a) in time for the board meeting in December 2028, this date can accelerate the process