VLT/I-ALMA Joint Proposals

The VLT/I Perspective

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Observing Programmes Office

VLT/I-ALMA Joint proposals

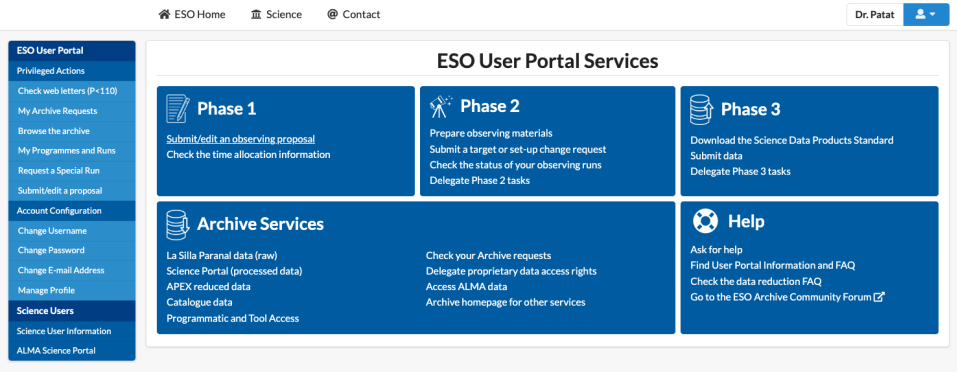
- **Concept:** a “joint proposal” is a proposal that requests time on both facilities, but is submitted to a single observatory (the leading facility) for scientific peer review. Effectively, the leading facility has the ability to award observing time for the other observatory.
- **Purpose**
  - take full advantage of the complementarity of optical-NIR and sub-millimetre observing facilities;
  - enable those science cases that require observations with both ALMA and VLT/I telescopes to have their goals fulfilled.
- Check the ESO documentation for more details.

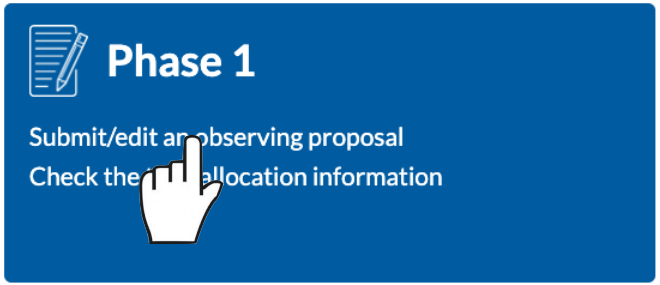
VLT/I-ALMA Joint Proposals

- **Timeline**: Starting in ESO Period 112 – The Call is open!
  - Deadline **March 28, 12:00 CEST**
  - ESO can allocate up to 50h on any array
  - See: https://www.eso.org/sci/observing/phase1/JointVLT-ALMA.html
  - Only Normal joint programmes are offered (no GTO, Large, Monitoring).
  - Up to 99.9 hours of time request for VLT/I.
  - Only Service Mode is offered.
  - Only A-rank joint programmes will be allocated time.

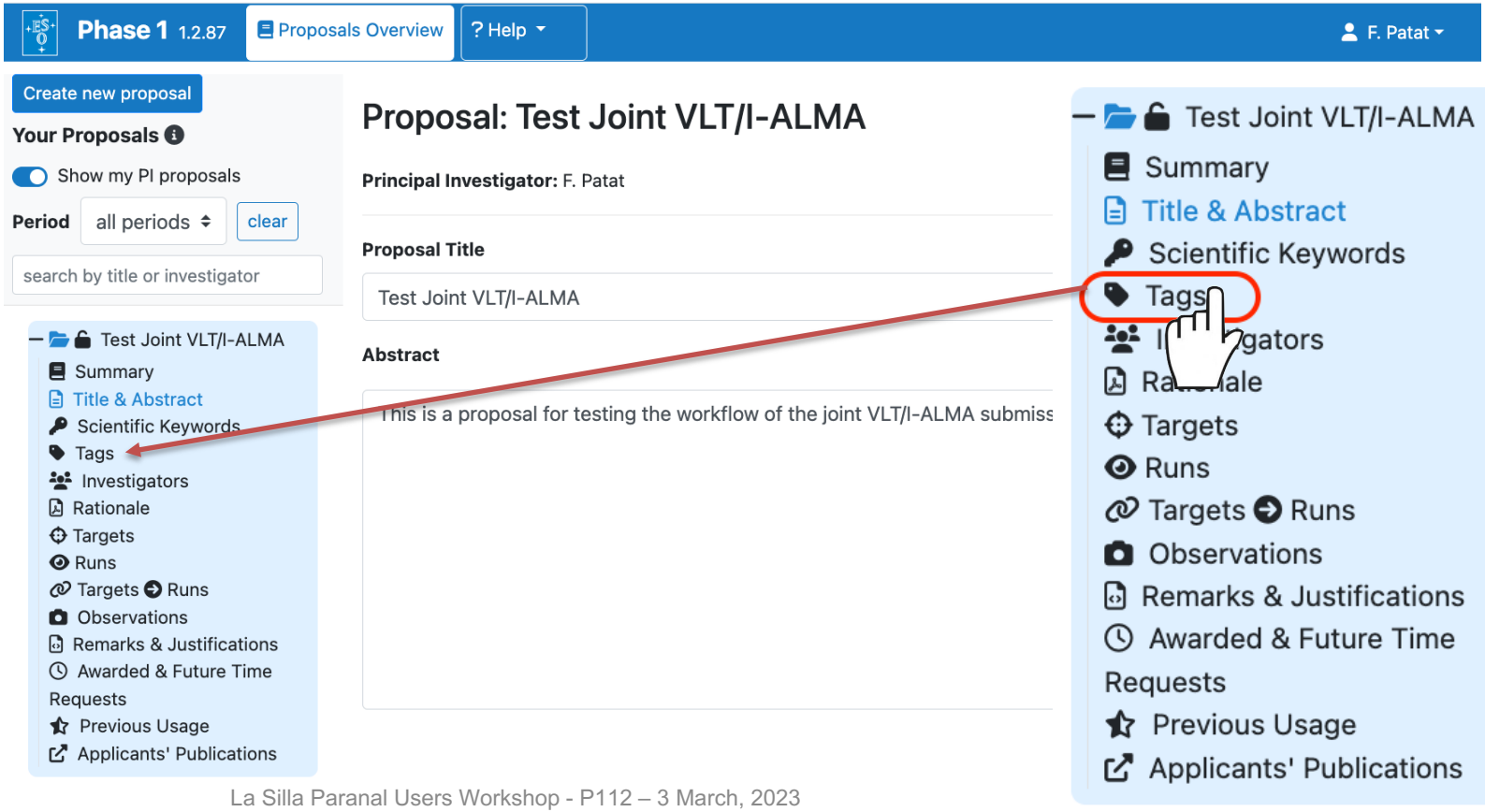
VLT/I Joint Proposals with ALMA

- Submit to ESO as Leading Observatory if the science case mostly relies on VLT/I data. Otherwise submit to ALMA.
- The proposal must be submitted using the **ESO p1 interface**.
- For this you (and your co-Is) need a valid ESO User Portal account.





Prepare your Joint Proposal



Add the proper Tag

Proposal: Test Joint VLT/I-ALMA

Help

Principal Investigator: F. Patat

Tags

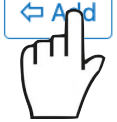
If your proposal is part of a special agreement, please identify it by selecting the corresponding tag in the following list. You can specify 0 .. 1 tags.

Selected Tags

Available Tags

Add — **3.6m time-share**

Add — **Joint VLT/I-ALMA**



Proposal: Test Joint VLT/I-ALMA

Principal Investigator: F. Patat

Tags

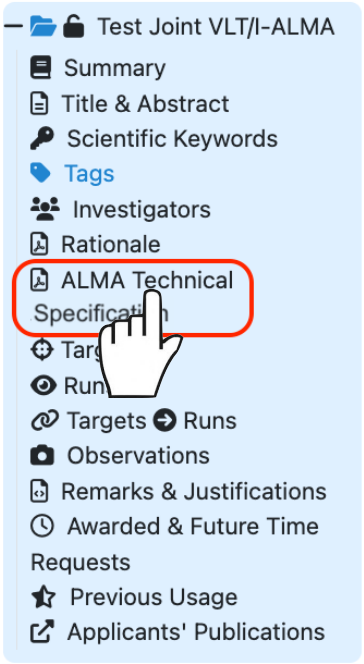
If your proposal is part of a special agreement, please identify it by selec

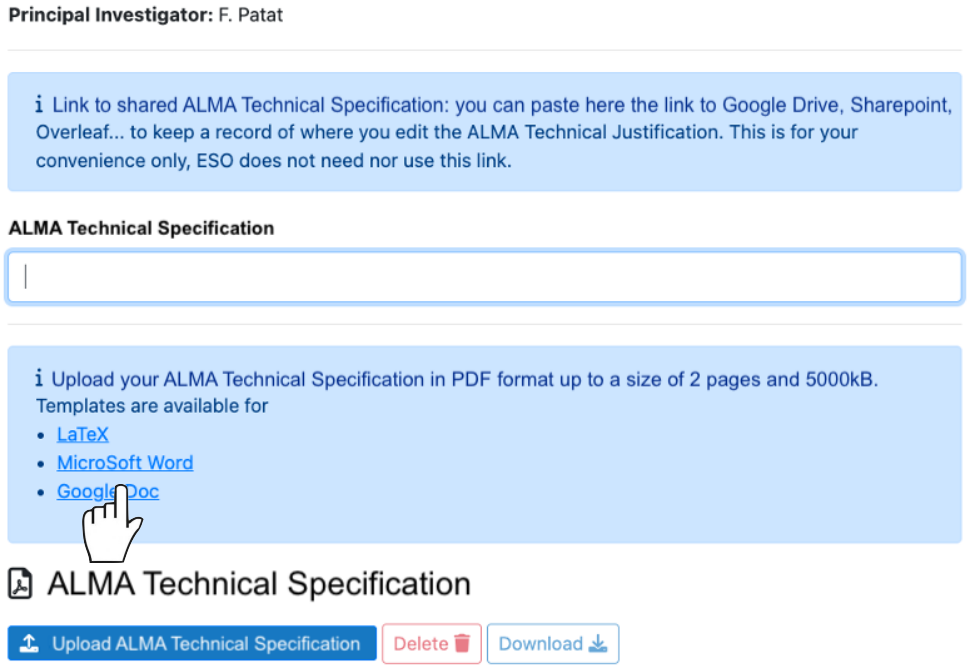
Selected Tags

Joint VLT/I-ALMA — Remove

Prepare the ALMA Technical Specification

Use the ALMA observing tools to prepare the ALMA Technical Specification.





Upload the ALMA Technical Specification

JOINT VLT/I-ALMA proposals:Technical Specification

Number of sources:

Mapping area: (*Single Pointing/Multiple pointings/Rectangular Mosaic of given area*)

Required 12 m Array configuration(s):

Time request considering overheads:

- 12 m Array:
- 7 m Array:

TP:

Requested Band(s):

Representative sensitivity for reference array (i.e. 12m, or 7m for ACA stand-alone projects) and aggregated bandwidth used for sensitivity calculation:

Is the time request resulting from OT: (Yes/No)
If No, indicate how the time was estimated:

Report here the highest spectral and imaging signal-to-noise ratios expected in your sample:

ALMA Technical Specification

Upload ALMA Technical Specification | Delete | Download

JOINT VLT/I-ALMA proposals:Technical Specification

Number of sources: 13

Mapping area: (*Single Pointing/Multiple pointings/Rectangular Mosaic of given area*)

Required 12 m Array configuration(s):

See also: ALMA Technical Specification

Submission and Acceptance

- The ALMA part will be evaluated by JAO based on the technical feasibility of the requested observations, and the scheduling feasibility considering the requested array configuration and time constraints.
- VLT/I-ALMA Joint Proposals will be reviewed by the ESO Expert Panels, irrespective of the time request (similarly to the VLT/I-XMM joint proposals).
- Upon acceptance of a Joint Proposal by ESO, PIs will be requested to submit a full scale ALMA proposal with the ALMA Observing Tool.
- The JAO will perform a final detailed technical assessment and then proceed to prepare the Scheduling Blocks in preparation for observations.
- Approved joint projects submitted to ESO will be allocated time only if they qualify for the **A-rank** class.
- Joint Programmes are either fully approved or fully rejected (no partial approval/rejection).

Do you need help?

- For questions about proposal preparation and submission:

ESO Helpdesk

- For questions about [technical] aspects related to ALMA:

ALMA Helpdesk