

VLT/I-ALMA Joint Proposals

The ALMA Perspective

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Joint proposals with JWST - VLA - VLT/I

- **ALMA Joint Proposals:** a “joint proposal” is a proposal that requests time on *two or more* separate observatories, but is submitted to a single observatory for scientific peer review.

- **Timeline:** Starting in ALMA Cycle 10
 - JWST – Jan 2023 → 115 h
 - VLA – Feb 2023 → 50 h
 - **VLT – March 2023 → ALMA can allocate up to 50 h of VLT time**

ALMA Joint Proposals with VLT/I

■ If ALMA is the Main Observatory:

- the observatory with the most observing time (for ALMA, 12-m array time or 7-m array time if ACA-standalone proposal)

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Joint Proposals ?

Is this a Joint Proposal? Yes No

Type of Joint Proposal Main Partner

Observatory	Project Code	Requested Time

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You can add VLT, and/or JWST, and/or VLA

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Joint Proposals

Is this a Joint Proposal? Yes No

Type of Joint Proposal Main Partner

Observatory	Project Code	Requested Time
VLT	N/A	0.00 h

Please provide the technical justification for the time requested on VLT as a joint proposal

- The **VLT requested time** must be entered.
- The OT will check that this is smaller than the requested time at ALMA.

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Add Partner Observatory Remove Partner Observatory

Please provide the technical justification for the time requested on VLT as a joint proposal

How do you estimate the VLT requested time?
 ➤ PIs will use the ESO Exposure Time Calculators
 • (ETC, <https://www.eso.org/observing/etc/>)

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Observatory	Project Code	Requested Time
VLT	N/A	3.00 h

Please provide the technical justification for the time requested on VLT as a joint proposal

Number and type of targets (stars/extended sources, etc):

Apparent magnitude of targets in the relevant filter bands (for example JHK if NIR):

Instrumental modes requested (can be described via OB template names):

Constraints on lunar phase, sky transparency, seeing:

Time critical aspects (e.g. monitoring, or absolute time window):

PIs are responsible for summarizing the technical justification for the requested VLT observations

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(<https://almascience.eso.org/proposing/observing-tool>)
- VLT requested time will be calculated using the ESO Exposure Time Calculator (ETC, <https://www.eso.org/observing/etc/>)
- VLT Technical Justification using the Phase 2 tool (<https://www.eso.org/p2demo/home>)
 - Number and type of targets (stars/extended sources, etc)
 - Apparent magnitude of targets in the relevant filter bands (for example JHK if NIR)
 - Instrumental modes requested (can be described via OB template names)
 - Constraints on lunar phase, sky transparency, seeing.
 - Time critical aspects (e.g. monitoring, or absolute time window).
 - Justification for the total observing time, including the description of parameters used in the ETC, and the ETC version.
 - Special calibration requests not covered by the instrument calibration plan.
 - Any other notes:

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 - Any other notes:

Warning: Only Service Mode observations are offered for the joint channel



Submission and Acceptance

- The Joint Proposal must be submitted to ALMA in Cycle 10 by **10 May 2023**



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- ALMA Joint Proposals will be undergo Distributed Peer Review (**DPR**) for Regular Programs, or the ALMA panel review for Large Programs.

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- Upon acceptance of a Joint Proposal by **ALMA**, PIs will be requested to **submit** the project with the ESO proposal submission tool (<https://www.eso.org/sci/observing/phase1/p1intro.html>)

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- The users will then proceed to prepare the **phase 2 Observing Blocks(OBs)** (<https://www.eso.org/sci/observing/phase2.html>) in preparation for observations and for a final detailed technical assessment

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- ALMA Joint Proposals will be undergo Distributed Peer Review (**DPR**) as any ALMA (non-Large) Proposal
- Upon acceptance of a Joint Proposal by **ALMA**, PIs will be requested to **submit** the project with the ESO proposal submission tool (<https://www.eso.org/sci/observing/phase1/p1intro.html>)
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Warning: projects that, during preparation of the OBs, result in a larger observing time than requested in the proposal VLT Technical Justification, are subject to rejection on technical grounds at ESO's discretion.

ANCILLARY SLIDES

Joint proposals with JWST/VLA/VLT

- **Concept:** a “joint proposal” is a proposal that requests time on two or more separate observatories, but is submitted to a single observatory for scientific peer review. Effectively, a single observatory has the ability to award observing time for other observatories
- **Purpose:** enable projects for which data from two or more observatories are required to achieve the scientific goals
- **Timeline:** Starting in ALMA Cycle 10 JWST
 - JWST – Jan 2023 → 115 h of allocated time
 - VLA – Feb 2023 → 50 h of allocated time
 - **VLT – March 2023 → ALMA can allocate up to 50 h of VLT time**

Joint proposals with JWST/VLA/VLT

■ Policies:

- Proposals must follow users' policies and call for proposals guidelines of each of the requested partner observatories
- PIs must submit their proposal to the observatory that requires the most observing time (for ALMA, 12-m array time or 7-m array time if ACA-standalone proposal)
- The same proposal cannot be submitted to multiple observatories
- Major change requests after a project has been accepted will have to be submitted to the observatory that approved the Joint Proposal
- A Joint Proposal submitted to a partner observatory cannot request ALMA time for VLBI or phased array observing modes
- Limits to the amount of time requested by a single proposal will be defined by each observatory (e.g. ALMA does not allow a Large Programme to be allocated by a partner observatory)

- **Procedures:** Joint Proposals will be assessed technically by each of the requested observatories based on the information provided by the PI and, upon acceptance, during the preparation of the observations