

ALMA proposal review process EA community meeting

Goal of presentation









ALMA distributed peer review



Large Programs review

Basics of distributed peer review









One member of each proposer team* commits to participate in the review process



Each reviewer reviews 10 proposals (Proposal Set) for each submitted proposal



The process

- Stage 1
 - Reviewers identify conflicts of interest
 - Reviewers rank the proposals from 1 to 10 (best to weakest) and provide a comment
- Stage 2
 - Access to anonymized reviews
 - Ranks and comments can be modified

Reviewer timeline for Cycle 10



May 10
Proposal deadline

1) Proposal Pl designates the reviewer in Observing Tool (OT)

May 15 Expertise & conflicts

- 1) Reviewer specify scientific expertise in User Profile
- 2) Reviewer provide list of conflicts of interest in User Profile
- 3) Deadline to provide alternative reviewer, if necessary

May 24 - June 28

Stage 1

- 1) Plenary session (optional, but highly recommended)
- 2) Declare any conflicts of interest in assigned proposals by June 1
- 3) Complete reviews by June 28 @ 15 UT (MANDATORY!)

June 29 - July 13 Stage 2

- l) Read reviews from other reviewers (optional)
- 2) Modify your ranks and comments as needed (optional)

PI designates the reviewer



May 10
Proposal deadline

Proposal Pl designates the reviewer in Observing Tool (OT)

Reviewer Information

Please designate a reviewer who will participate in the distributed review process. The reviewer may be the PI of the proposal or one of the other investigators.

A student (without a PhD) may serve as the reviewer only if they are the PI of the proposal and a mentor (with a PhD) is identified.

The mentor does not need to be an investigator on the proposal.

Reviewers are requested to update their user profiles with combinations of scientific categories and keywords which describe their area(s) of expertise using the new 'Expertise' tab in https://asa.alma.cl/UserRegistration/secure/updateAccount.jsp.

Available expertise information will be used in the distribution of proposal assignments.

Reviewer has a PhD?

Select Mentor

Mentor name

Mentor has a PhD?

No Yes



Student PIs can be reviewers, but need to specify a mentor who will assist in the review.

PI designates the reviewer



May 10
Proposal deadline

Proposal Pl designates the reviewer in Observing Tool (OT)

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Reviewer has a PhD?

No Yes

Select Mentor

Mentor name

Mentor has a PhD?

No Yes



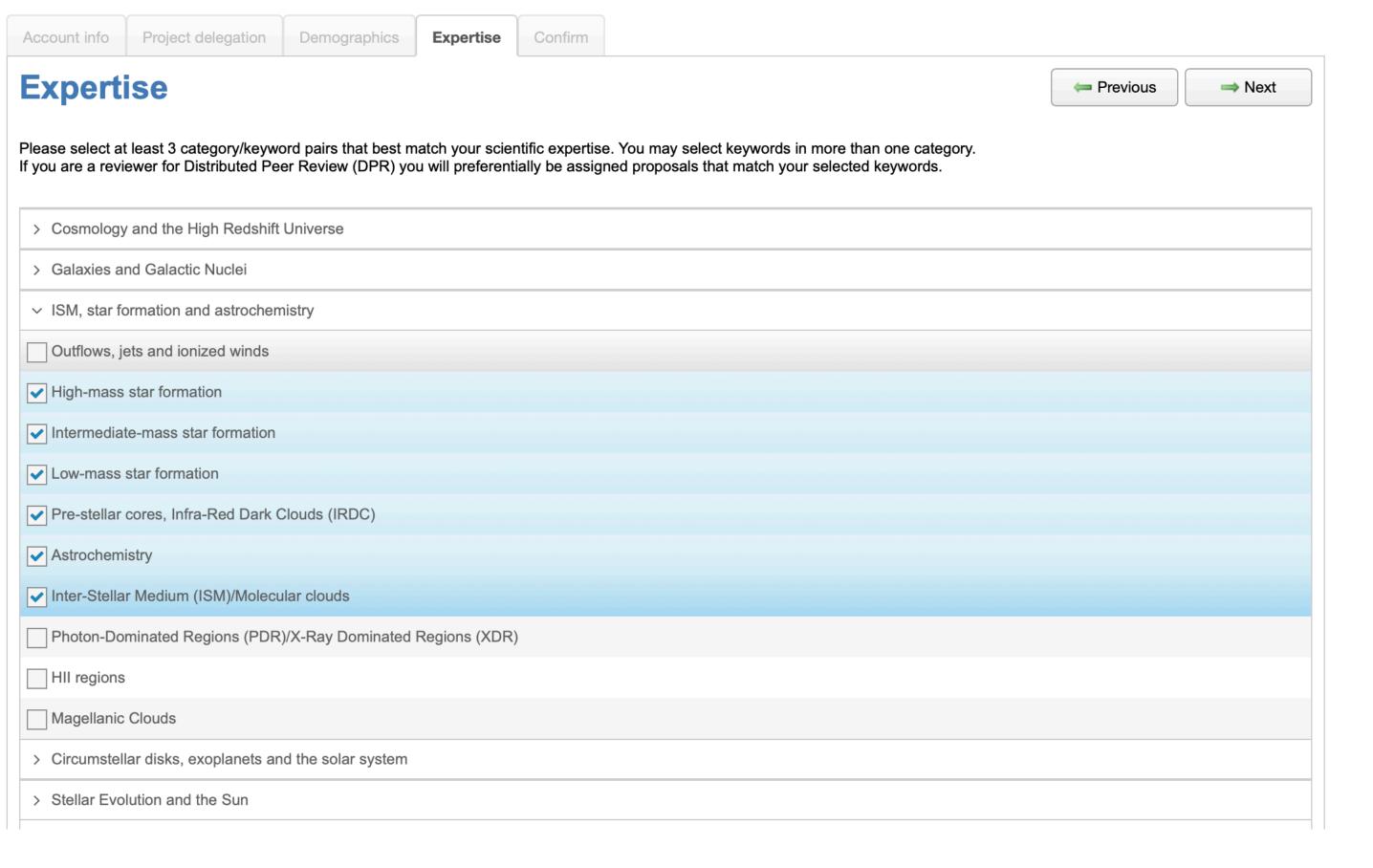
A single reviewer can be assigned a maximum of FIVE Proposal Sets

Reviewer expertise



May 15 Expertise & conflicts

- 1) Reviewer specify scientific expertise in User Profile
- 2) Reviewer provide list of conflicts of interest in User Profile
- 3) Deadline to provide alternative reviewer, if necessary



- 1) Log in to the ALMA Science Portal
- 2) Edit your User Profile
- 3) Go to the **Expertise** tab
- 4) Select keywords that match your scientific expertise
- 5) Go to the **Confirm** tab to save

How the PHT uses keywords to assign proposals



Priority #1

Assign proposals with the same keyword as the reviewer's selected keywords.

Priority #2

Assign proposals in the same scientific category as the reviewer's expertise.

Priority #3

Assign proposals in other scientific categories.



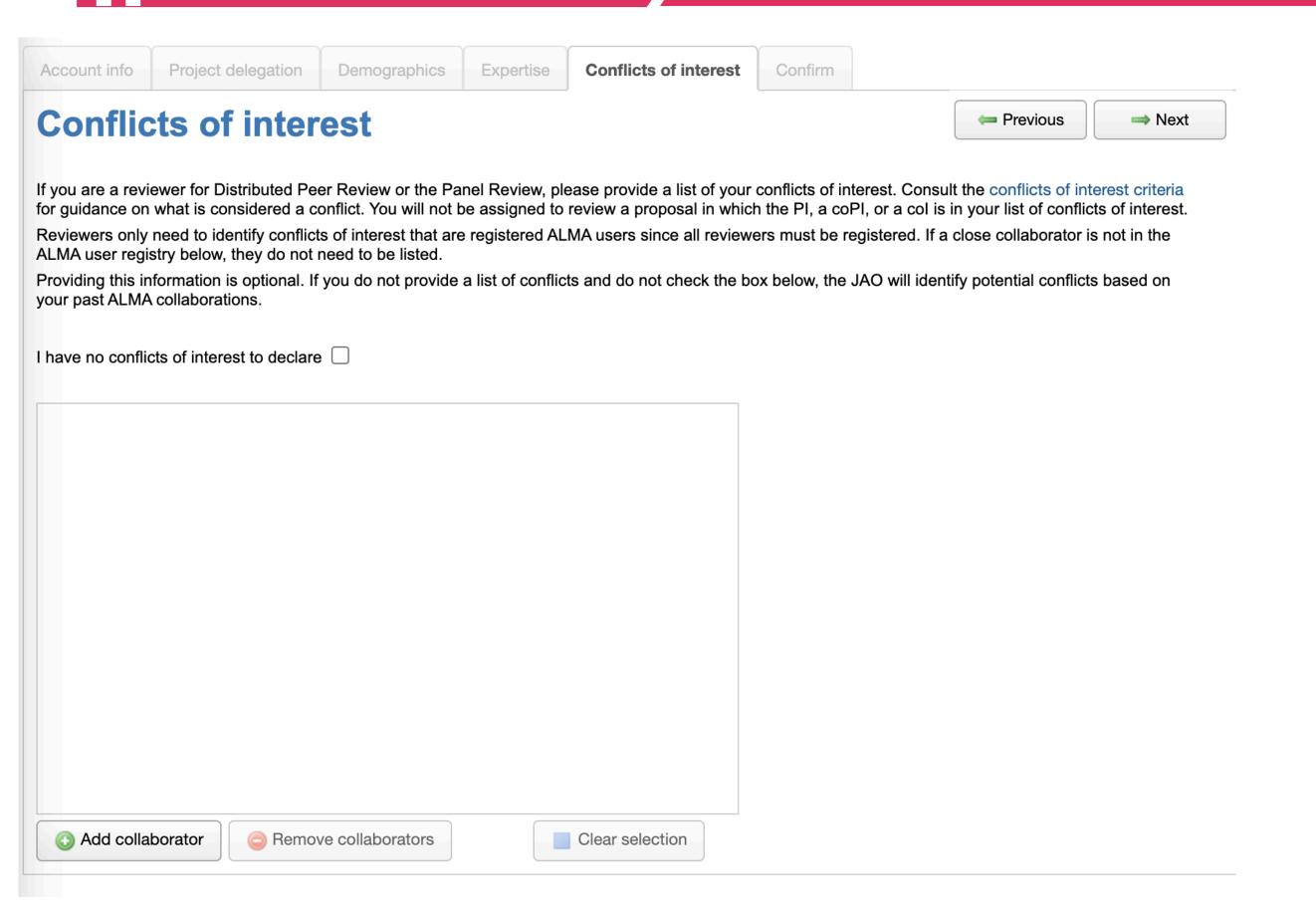
If a reviewer does not specify their expertise, the keywords of their proposal will be used.

Reviewers can specify their conflicts of interest



May 15 Expertise & conflicts

- 1) Reviewer specify scientific expertise in User Profile
- 2) Reviewer provide list of conflicts of interest in User Profile
- 3) Deadline to provide alternative reviewer, if necessary



- 1) Log in to the ALMA Science Portal
- 2) Edit your User Profile
- 3) Go to the **Conflicts of Interest** tab
- 4) Identify ALMA users for which you have a conflict
- 5) Go to the **Confirm** tab to save

Time to select new reviewer, if necessary



May 15
Expertise & conflicts

- 1) Reviewer specify scientific expertise in User Profile
- 2) Reviewer provide list of conflicts of interest in User Profile
- 3) Deadline to provide alternative reviewer, if necessary



A single reviewer can be assigned a maximum of FIVE Proposal Sets

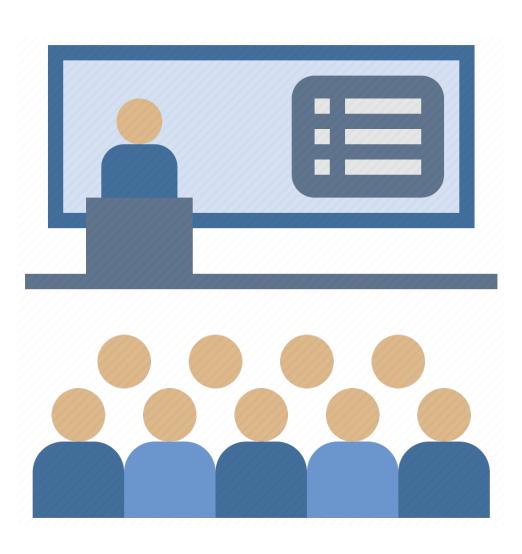
- After the proposal deadline, the PHT will contact those reviewers who were selected to receive more than five Proposal Sets
- It is expected that for these cases, the reviewer identifies a new reviewer among the proposal co-ls
- If no alternative has been identified by the deadline, the PHT will cancel the reviewer's extra proposals

DPR plenary session



May 24 - June 28
Stage 1

- Plenary session (optional, but highly recommended)
- 2) Declare any conflicts of interest in assigned proposals by June 1
- 3) Complete reviews by June 28 @ 15 UT (MANDATORY!)



- The PHT will host three Webinars:
 - Thursday May 25, 17:00 UTC
 - Friday May 26, 13:00 UTC
 - Wednesday May 31, 02:00 UTC
- During this sessions, the PHT will explain the different aspects of distributed peer review, and will be available to answer questions
- The presentation and slides will be posted in the ALMA Science Portal before the Webinars
- Attending to one of the sessions is not mandatory, but it is highly recommended

Stage 1: Review assigned proposals







May 24 - June 28 Stage 1

- Plenary session (optional, but highly recommended)
- Declare any conflicts of interest in assigned proposals by June 1
- Complete reviews by June 28 @ 15 UT (MANDATORY!)



Declare any additional conflicts in your assigned proposals

for example: observing the same object(s) with the same goals



If you identify a conflict after you submitted your conflicts, contact the PHT to be assigned another proposal.

Stage 1: Review assigned proposals



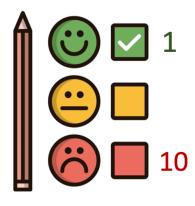






May 24 - June 28
Stage 1

- 1) Plenary session (optional, but highly recommended)
- 2) Declare any conflicts of interest in assigned proposals by June 1
- 3) Complete reviews by June 28 @ 15 UT (MANDATORY!)



• Rank the proposals from 1 (strongest) to 10 (weakest) based on scientific merit.



- Write comments that summarize the strengths and weaknesses of the proposal
- Comments will be sent to the PI verbatim.



- Reviewer's proposal will be canceled if the reviews are not submitted on time!
- Extensions will not be granted since Stage 2 starts on June 29.



The reviewer can be changed after the proposal deadline in exceptional circumstances by having the proposal PI contact the PHT. The Stage 1 deadline though will remain the same.

Review criteria





- Does the proposal clearly indicate which important, outstanding questions will be addressed?
- Will the proposed observations have a high scientific impact on this particular field and address the specific science goals of the proposal?
- Does the proposal clearly describe how the data will be analyzed in order to achieve the science goals?

Suitability of the observations to achieve the scientific goals

- Is the choice of target (or targets) clearly described and well justified?
- Are the requested signal-to-noise ratio, angular resolution, largest angular scale, and spectral setup sufficient to achieve the science goals?
- Does the proposal justify why new observations are needed to achieve the goals?
- For Joint Proposals, does the proposal clearly describe why observations from multiple observatories are required to achieve the science goals?





Stage 2: Finalize the ranks and reviews



- Read reviews from other reviewers (optional)

 Modify your ranks and comments as needed (optional)



Read comments from the other reviewers to see if you overlooked any critical strengths or weaknesses.



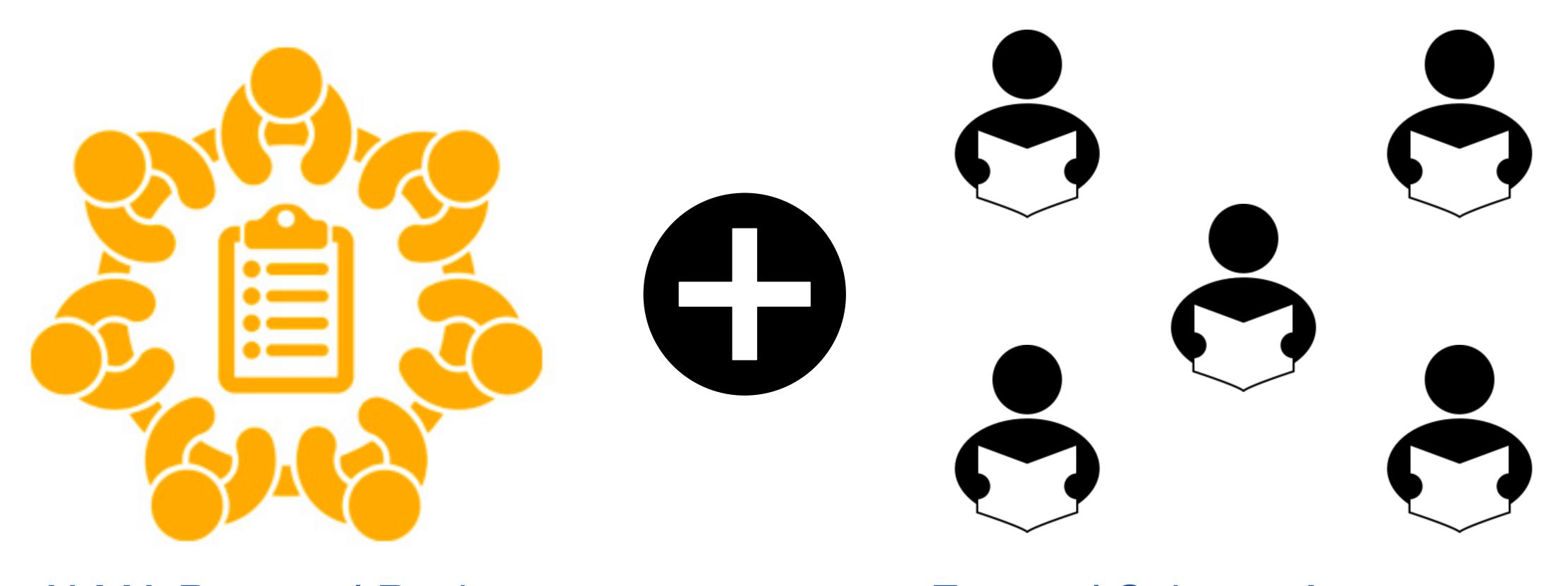
Update your ranks and comments as needed.



Stage 2 is optional. If a reviewer does not complete Stage 2, the Stage 1 ranks/comments are considered final.

Cycle 10 Large Programs review





ALMA Proposal Review Committee (APRC)

External Science Assessors

Review criteria Large Programs





Overall scientific merit

Suitability of the observations to achieve the scientific goals

Specific for Large Programs (LP)

- Does the LP address a strategic scientific issue and have the potential to lead to a major advancement or breakthrough in the field that cannot be achieved by combining regular proposals?
- Are the data products that will be delivered by the proposal team given the scope of the proposal and will the products be of value to the community?
- Is the publication plan appropriate for the scope of the proposal?





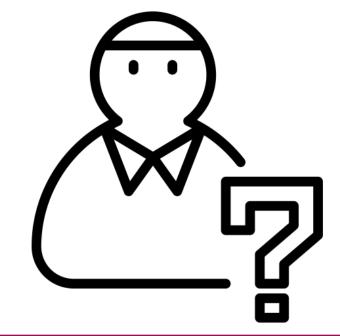


More information



almascience.org/proposing/alma-proposal-review

- Dual-anonymous guidelines
- Description of the distributed peer review
- Detailed guidelines for the reviewers
- FAQ



Contact the PHT



ALMA Helpdesk (help.almascience.org) -> Department: "Proposal Review Support"



Thank you!

Questions?

