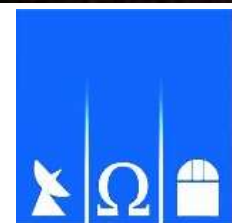


# ALMA Proposal Preparation Tutorials



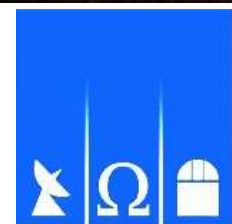
Argelander-  
Institut  
für  
Astronomie



EUROPEAN ARC  
ALMA Regional Centre || Germany



# ALMA User Support



Argelander-  
Institut  
für  
Astronomie

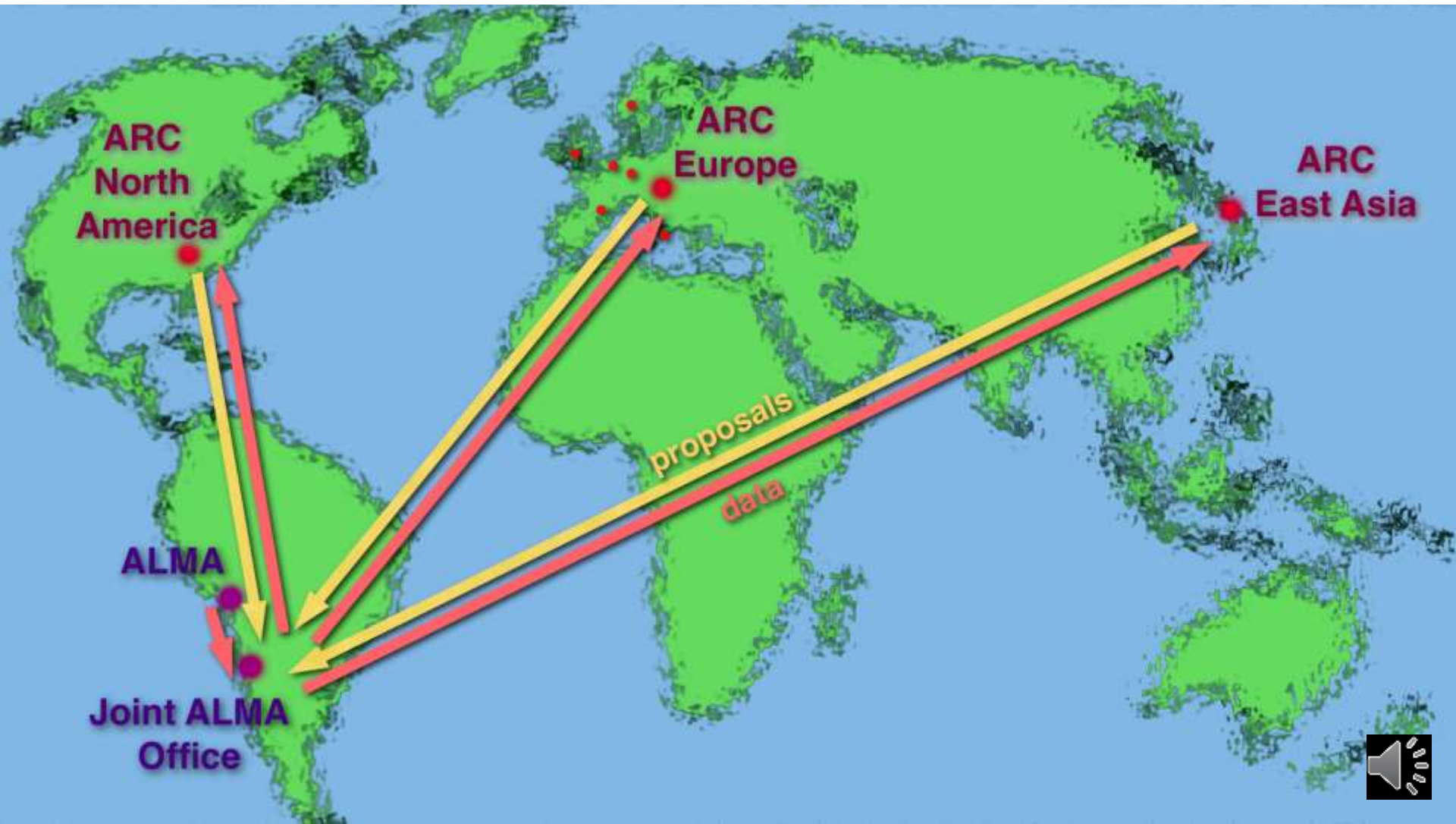


EUROPEAN ARC  
ALMA Regional Centre || Germany

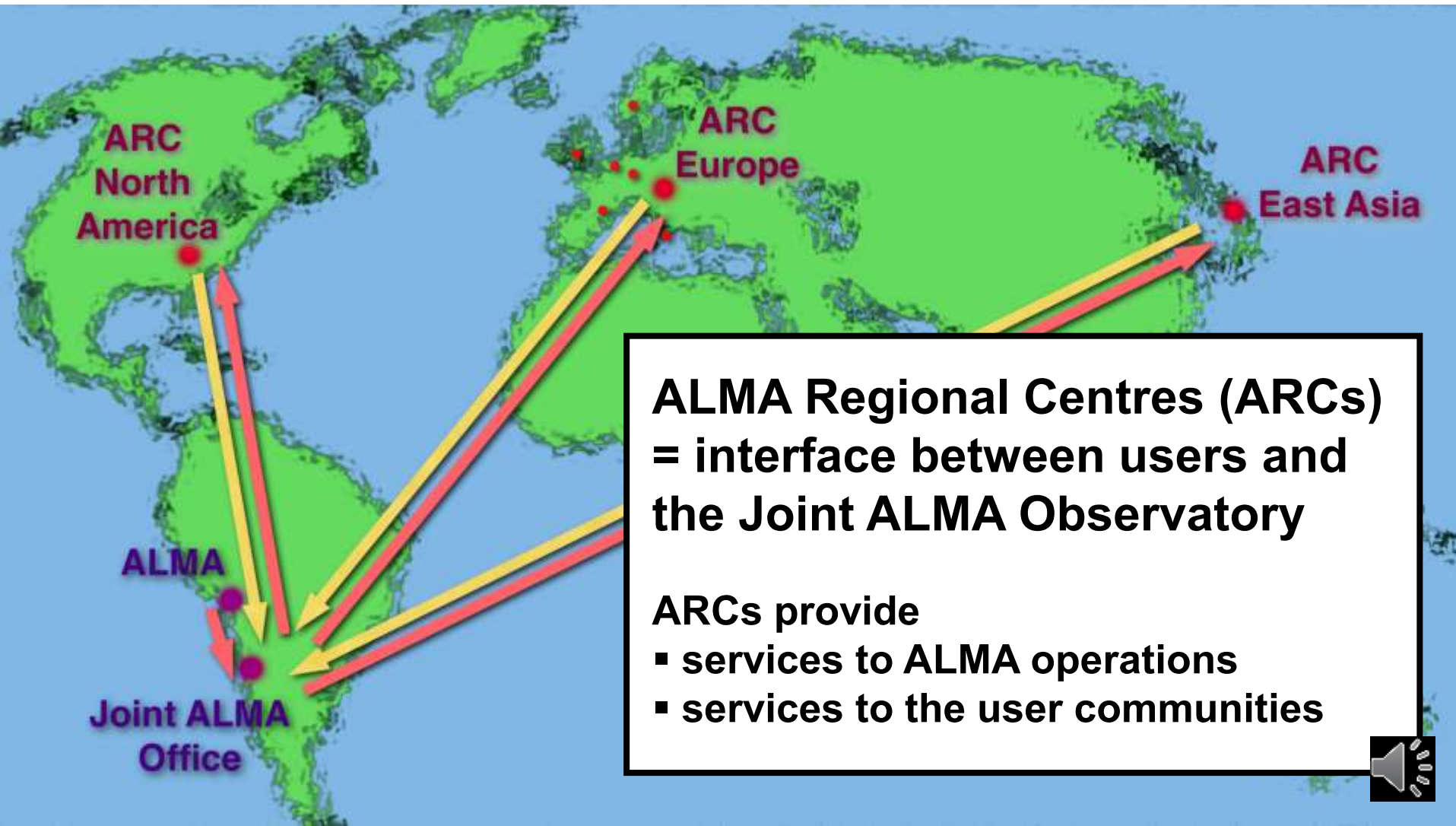




# ALMA Regional Centres

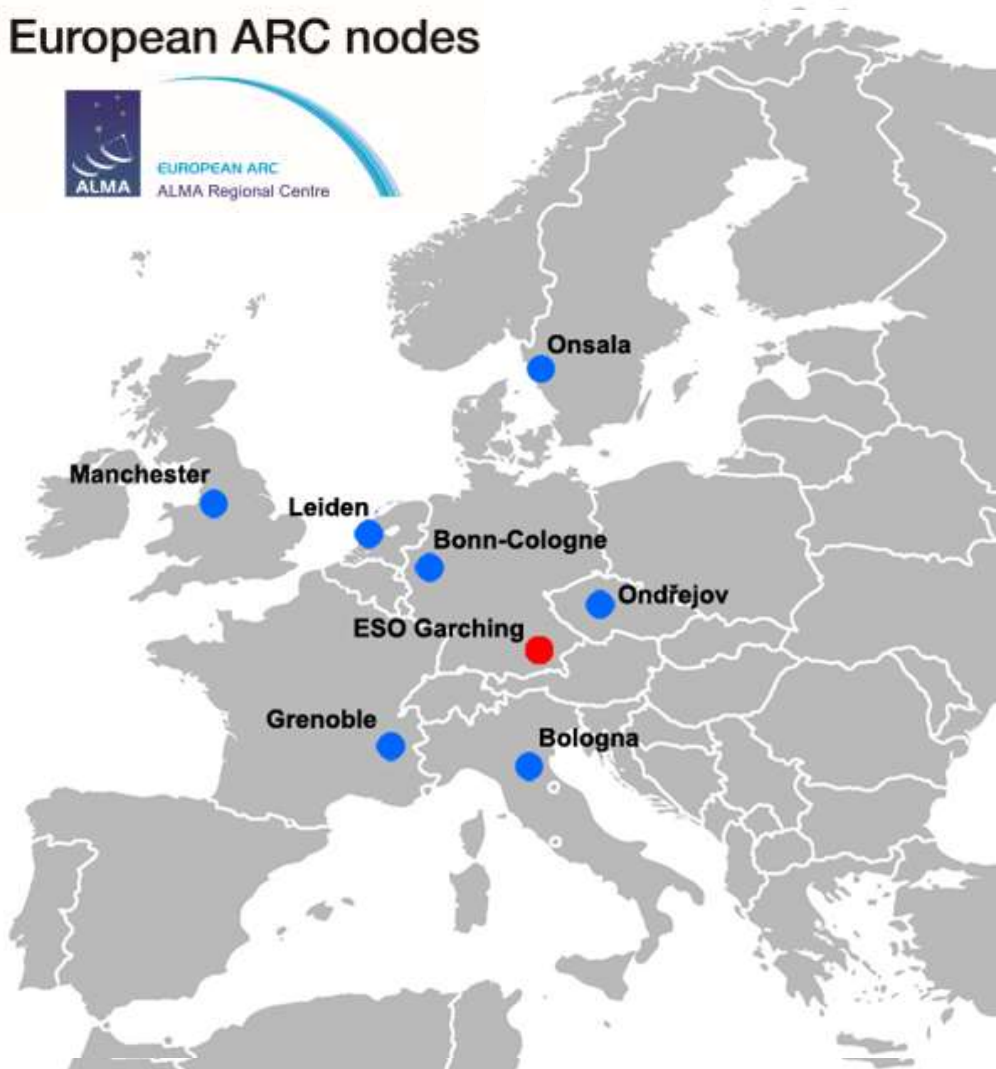


# ALMA Regional Centres



# The European ARC structure

## European ARC nodes



## Tasks of the central ARC node include:

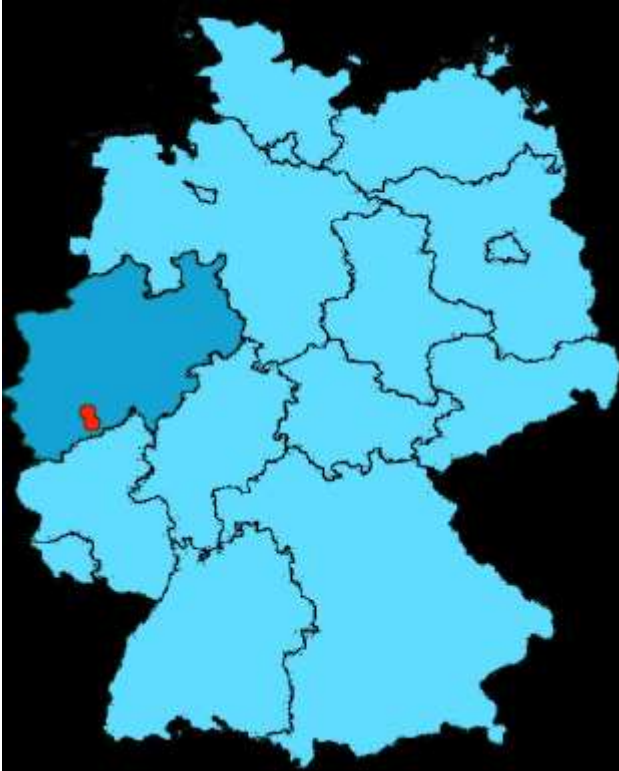
- helpdesk
- archive
- software development
- press and public relations

## Tasks of the regional nodes include:

- face-to-face user support
- contact to local scientific community
- community development
- local public outreach
- special expertise areas  
(EU-ARC wide support)



# The German ARC node



- University of Bonn (headquarters)
- University of Cologne
- catchment area:
  - Germany (non-MPG)
  - Austria
  - Switzerland





# Activities of the German ARC node

Services to  
**ALMA operations**

**Development**  
of tools and  
guidelines

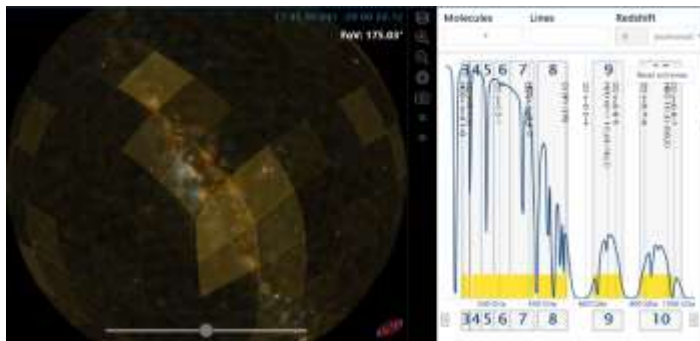
**User support**  
for projects/  
in general



# User Support

## Means of user support at the German ARC node:

- ✓ Casual chats at conferences, seminars or at the node in Bonn or Cologne
- ✓ Discussions via ALMA Helpdesk (preferred) or email
- ✓ One-on-one video conferences and remote computing
- ✓ Work visits at the German ARC node (unless there is a pandemic ...)





# User Support

## Face-to-face visits at the German ARC node:

1) Request for f2f support via helpdesk (f2f department)

- logistical details
- travel funds?
- data delegation



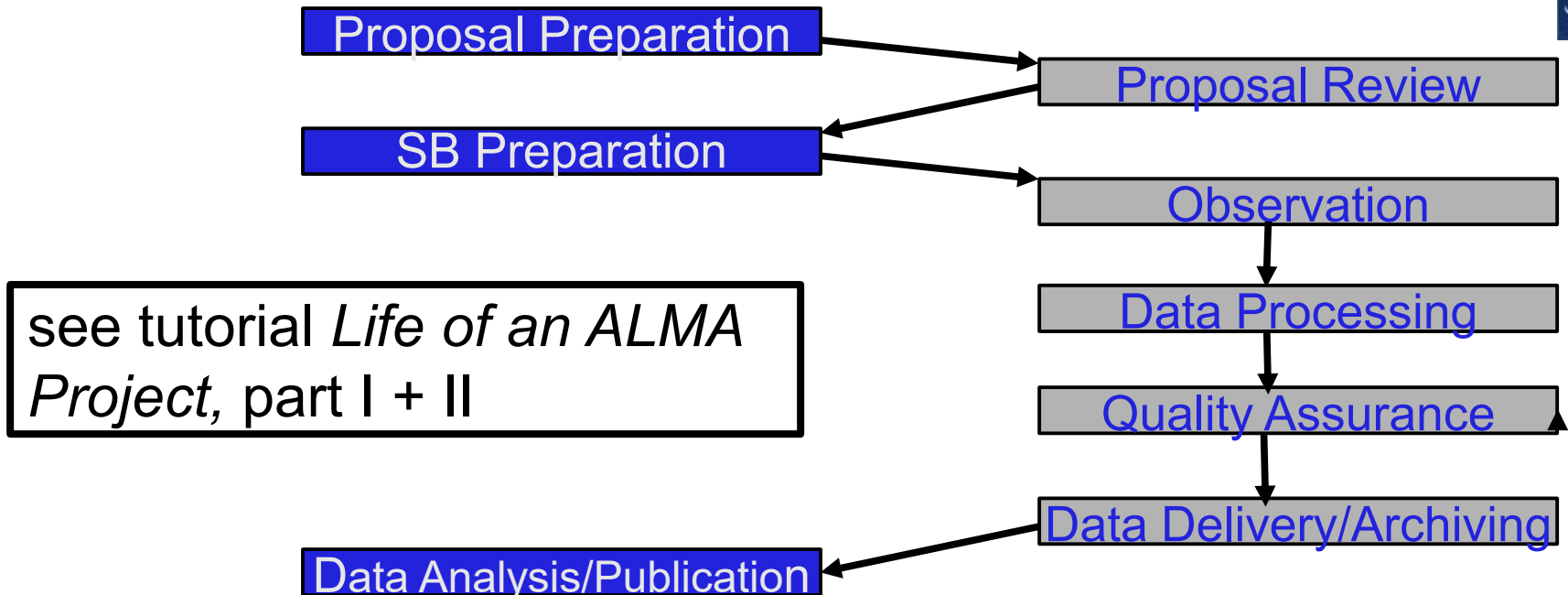
2) Stay at the German ARC node (with dedicated contact scientist, computing infrastructure, node facilities)

3) Transfer data from Bonn to home institution

4) Feedback appreciated!



# Support for a specific project



- help with proposal preparation or archive search
- support for all D-A-CH (except MPG) projects (and others)
- data reduction and analysis help
- advice in areas of special expertise



# Support for a specific project

## SnooPI - The Snooping Project Interface

A software tool that allows PIs, Co-Is and Delegates to track the observational and processing status of their ALMA science projects

The screenshot displays the SnooPI web interface. At the top, it shows the user's name 'George Banks' and role 'Executive, ESO ARC, EU'. The main content area is divided into two columns. The left column shows a hierarchical tree of project components: '2018.1.01234.S' (with a green annotation 'A Superfrigidisticplalidocious proposal to observe the entire Universe'), 'Observing Program', 'SC OUS', 'Group OUS', 'Member OUS (sz128)', 'sz129\_x\_06\_TM2', 'sz129\_x\_06\_TM1', 'SC OUS', 'Group OUS', 'Member OUS (sz98)', 'sz98\_x\_06\_TM2', and 'sz98\_x\_06\_TM1'. The right column displays detailed information for the selected 'sz129\_x\_06\_TM1' block, including 'Scheduling Block Name', 'Scientific Goal Name', 'Member ObsUnitSet', 'Array', 'RA, Dec', 'Pointing information', 'Band', 'Representative Frequency, GHz', 'Nominal configuration', 'Min/Max Angular Resolution (arcsec)', 'Successful Executions', and 'QA2'. A table at the bottom shows execution details: 'End time: 2017-07-18 01:19:53', 'Duration [min]: 64.56', 'Execution Block UID: uid\_2A002/3x2172b/3x88', and 'QA2: Report'.

Use [SnooPI](#) to follow the progress of your **ALMA Projects!**

You can find SnooPI on the [ALMA Science Portal](#) under "Observing"

Please, send inputs and feedbacks at [amiotell@eso.org](mailto:amiotell@eso.org) or through the ALMA Helpdesk





# Support for the (local) community



EUROPEAN ARC  
ALMA Regional Centre || Germany

## German ALMA Regional Centre (ARC) Node

The Atacama Large Millimeter/Submillimeter Array (ALMA) is a revolutionary interferometer for mm

### News channels:

- Home page of the German ARC node (web)
  - DARC newsletter + newsflashes (email)
  - EU ARC announcements (web, RSS feed)
  - EU ARC newsletter (email)
  - Science Portal at ESO/news section (web)
  - Social media: Twitter, Instagram, Facebook
- => see <http://astro.uni-bonn.de/ARC> for an overview

Quick links:
Training opportunity: ALMA Data Reduction
Cycle 9 Call for Proposals
Cycle 9 Proposal Preparation Support
Dual-anonymous Guidelines
Guidelines for mmVLE ALMA in Cycle 9
Information on the proposal review process
LEGO ALMA - Radiointerferometrie leicht gemacht
ALMA Status Page
ALMA Configuration Summary
The German ARC node
Home
About us
Visiting us
Contact
ARC staff
Newsletter
Host institutes:
University of Bonn
University of Cologne

Cycle 9 Call for Proposals *now open!*

[24 March 2022]



# Support for the (local) community

- **Webpages, newsletter and newsflashes**
- **Events and training:**
  - **Dedicated ALMA Community Events**, e.g. German ALMA Community Days
  - Talks and posters at **scientific conferences and seminars**, e.g. ALMA info booth at the annual meetings of the German Astronomical Society
  - **Remote proposal preparation support**
  - Regular hands-on **training courses**, e.g. Radio Interferometry
- **Computing infrastructure:** 3 compute servers and software
- **Public outreach**, including public talks, teachers' education, social media and local PR



# The helpdesk

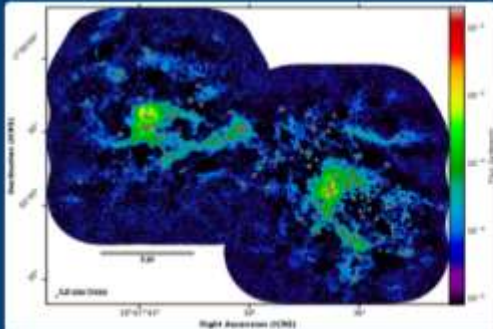


Atacama Large Millimeter/submillimeter Array  
In search of our Cosmic Origins

- About
- Science
- Proposing
- Observing
- Data
- Processing
- Tools
- Documentation
- Help

## Science Highlight

Top-heavy Core Mass function revealed by ALMA-IMF: a challenge to the IMF universality



The W43-MM2&MM3 protocluster cloud, as imaged at 1.3 mm by the ALMA 12 m array. White ellipses outline the size of the 208 compact cores of few thousand AU size extracted by the core extraction algorithm getsf.

The ALMA-IMF Large Program aims to answer the longstanding question on whether the Initial Mass Function (IMF) inherits its shape from its core content, and more precisely the Core Mass Function (CMF). To do that, ALMA-IMF has targeted and imaged 15 high-mass star-forming regions in the nearby Milky Way ( $d \leq 6$  kpc). In a recently accepted paper (Pouteau et al., 2022), the team has used high-

## Observatory News

ALMA Cycle 9 Call for Proposals is Now OPEN!  
Mar 24, 2022

ALMA Science Archive previews  
Feb 14, 2022

QA0+ results now available from SnooPI  
Jan 31, 2022

ALMA Cycle 9 Pre-Announcement  
Dec 15, 2021

ALMA Science Archive object-type

More...

## EU ARC News

Fifth European ALMA Regional Centre community assembly  
Mar 24, 2022

ALMA Regional Centre Astronomer - ESO Garching  
Dec 09, 2021

Research associate – ARC node researcher/developer (closed)  
Dec 06, 2021

Research Associate (UK ARC Node Scientist) position (closed)

More...

Knowledgebase/FAQ

Helpdesk

EA ARC

EU ARC

NA ARC

VelaC-SR-A  
Current configuration: C-2

More...

The ALMA Science Portal is a one-stop source for information and tools aimed at the scientific community as a whole, including proposers, archive researchers, ALMA staff, journalists, and funding agencies.

## Quick Links

[ALMA Basics](#)

[Cycle 9 Call for Proposals](#)



# The helpdesk

Atacama Large Millimeter/submillimeter Array  
Observer Support

ALMA Science

Submit Helpdesk Ticket

Log in

How can we help you today?

Help Center TOO

Knowledgebase  
View all articles >

News  
View all news posts >

Submit Helpdesk Ticket  
Get in touch for help >

My Tickets  
View your submitted tickets >

Welcome to the new ALMA Helpdesk User Interface!  
Please use your email with your ALMA Science Portal password when logging in to view and submit tickets.

News

# The helpdesk

ALMA Science

Atacama Large Millimeter/submillimeter Array  
Observer Support

Agent

Submit Helpdesk Ticket

How can we help you today?

Help Center TOO

- Knowledgebase**  
View all articles >
- News**  
View all news posts >
- Submit Helpdesk Ticket**  
Get in touch for help
- My Tickets**  
View your submitted tickets >

Welcome to the new ALMA Helpdesk User Interface!

Please use your email with your ALMA Science Portal password when logging in to view and submit tickets.

News



# The helpdesk

## Knowledgebase

### General (2)

- What Cycle 8 2021 proposal issues and clarifications should I b...
- Do I need to re-submit a proposal for Cycle 8 2021 that I alread...

[View all articles in General >](#)

### Proposal Handling (8)

- I've downloaded the ALMA Proposal Template (LaTeX format), ...
- May I submit an identical proposal to more than one category, ...
- What should I do if I have an issue with my proposal assessme...
- May I make changes to my project after the proposal review pr...
- What is the meaning of the code of an ALMA proposal?

[View all articles in Proposal Handling >](#)

### Archive & Data Retrieval (33)

- How can I access ALMA calibrator data?
- Can I download ALMA data without using a GUI?

### ALMA Observing Tool (OT) (47)

- What do the time estimates in the summary PDF page generat...
- My project requires good uv-coverage. How should I set up my ...
- How do I specify time constraints in my proposal?
- How do I load a list of sources or pointings into the OT?
- Can I request monitoring observations with standalone ACA?

[View all articles in ALMA Observing Tool \(OT\) >](#)

### Historical Articles (19)

- What should I do if scriptForPI aborts at the importasdm step ...
- Why do my data products not include all sources/spectral wind...
- On OSX, why is CASA crashing with references to packages tha...
- How do I handle the visibility flagging issues potentially presen...
- Why can't I specify that my source should be unresolved in the ...

[View all articles in Historical Articles >](#)

### Offline Data Reduction and/or CASA (33)

- How does CASA calculate the visibility weights?
- How do the results of the CASA hanningsmooth task compare ...





# The helpdesk



## Submit Helpdesk Ticket

Please complete this form and one of our agents will reply to you by email as soon as possible.

Name \*

Stefanie Muehle

Email

muehle@astro.uni-bonn.de

Cc

Department \*

Select

Subject \*

Message \*

or

Submit

Reset



# The helpdesk

The screenshot displays a helpdesk interface with the following elements:

- Header:** "My Tickets" on the left and "Submit a ticket" button on the right.
- Filter:** A "Resolved" filter is selected.
- Search:** A search bar labeled "Search Tickets".
- Table:** A table with columns "Reference", "Subject", and "Department".
- Filter Menu:** A dropdown menu on the right with a red circle around the filter icon, listing various filter criteria.

Reference	Subject ↓	Department ↓
12345	feedback on almascie...	General Queries (EU)
12345	webpage "https://alm...	General Queries (EU)
12345	dead link and questio...	General Queries (EU)
12345	Helpdesk	General Queries (EU)
12345	recent trouble with A...	Observing Tool (EU)
12345	dummy helpdesk tick...	General Queries (EU)
12345	bug report: Searches ...	Helpdesk Issues
12345	datasets for testing p...	Archive and Data Ret...
12345	broken links on login ...	General Queries (EU)
12345	policy/staff on leave	General Queries (EU)
12345	Can I merge helpdesk ...	General Queries (EU)
12345	representative freque...	Observing Tool (EU)

- Subject
- Department
- User
- Agent
- Date Created
- Last Action
- Last User Reply
- Last Agent Reply
- Sensitivity Calculator
- Simulators
- Splatalog
- General Topics
- Category
- Project ID
- Number of visitors
- Proposed begin and end dates for your visit
- Areas of expertise
- Special computing requirements
- Permission to access data
- Permission to download data
- Level of ALMA-related experience
- Preferred ARC node for support
- Type of support required

# The helpdesk

## Advantages of the helpdesk:

- up-to-date knowledgebase
- always the right person (via triage)
- fast feedback
- log for future reference

The screenshot displays the ALMA Helpdesk User Interface. At the top left, the ALMA logo and 'Atacama Observatories' are visible. Below this, 'ALMA Science' and 'Help Center' are listed. A central navigation bar contains four main sections: 'Knowledgebase' (with 'View all articles >'), 'News' (with 'View all news posts >'), 'Submit Helpdesk Ticket' (with 'Get in touch for help'), and 'My Tickets' (with 'View your submitted tickets >'). Below the navigation bar, a white box contains the text: 'Welcome to the new ALMA Helpdesk User Interface! Please use your email with your ALMA Science Portal password when logging in to view and submit tickets.' At the bottom left, a 'News' section is partially visible. In the bottom right corner, there is a speaker icon.



# The helpdesk

What Cycle 9 proposal issues and clarifications should I be aware of before submitting my proposal?

Subscribe

SW

Last updated: Mar 24, 2022 by Sarah Wood



Labels

CfP

Author

Sarah Wood

Date Created

Mar 3, 2022

## ALMA Cycle 9 Announcement

Date	Milestone
24 Mar 2022	Release of the ALMA Cycle 9 CfP and Observing Tool, and opening of the archive for proposal submission
21 April 2022 (15:00 UT)	Proposal submission deadline

**@Proposers: please watch this Knowledgebase article on last-minute changes, clarifications or bug reports:**

**<https://help.almascience.org/kb/articles/what-cycle-9-proposal-issues-and-clarifications-should-i-be-aware-of-before-submitting-my-prop>**



# Useful Links:

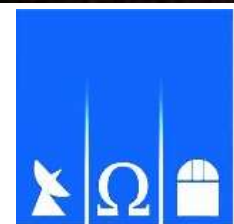
- ALMA Science Portal at ESO:  
<https://almascience.eso.org>
- Helpdesk:  
<https://help.almascience.org>
- German ARC node:  
<https://astro.uni-bonn.de/ARC/>



# Questions?

Join our online community meeting or  
contact us at [arc@astro.uni-bonn.de](mailto:arc@astro.uni-bonn.de)

<https://astro.uni-bonn.de/ARC/events/proposalprep2022/>



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