



ALMA BOARD MEETING April 12-13, 2023

PUBLIC SUMMARY

The ALMA Board convened online, between the 12 and 13 of April 2023, with the following attendees:

Board Chair	Toshikazu Onishi (EA)
Board Vice-Chair	Linda Tacconni (EU)
Board Members	Eduardo Ibar (CL)
	James Di Francesco (NA)
	Joe Pesce (NA)
	Karin Öberg (NA)
	Saku Tsuneta (EA)
	Tom Ray (EU)
	Tony Beasley (NA)
	Toru Yamada (EA)
	Xavier Barcons (EU)
Board Assessors	Andreas Kaufer (EU)
	Debra Fischer (NA)
	Satoru Iguchi (EA)
Board Secretary	Catalina Margulis (JAO Corporate Secretary)
JAO	Sean Dougherty (ALMA Director)
	Norikazu Mizuno (acting ALMA Deputy Director of Operations and Head of Engineering)
	John Carpenter (acting ALMA Deputy Director of Development and Observatory Scientist)
	Carla Crovari (JAO WSU Project Manager)
	Cristián Puentes (Head of Administration)
	Elizabeth Humphreys (Head of Science Operations)
	Iván López (Health, Safety and Environmental Manager)
	Juande Santander (JAO Development Systems Engineer)
	Rafael Mena (Human Resources Manager)
	Valeria Foncea (Education and Public Outreach Manager)
Executives	Adam Cohen (AUI President)

	Álvaro González (NAOJ ALMA Program Manager)
	Luis Chavarría (ESO Representative in Chile)
	Martin Zwaan (acting head of ESO ALMA Support Centre)
	Paulina Bocaz (AUI/NRAO Representative in Chile)
	Phil Jewell (NRAO ALMA Program Manager)
	Teruyuki Watanabe (NAOJ Representative in Chile)
ASAC Chair	Mario Tafalla
Observers	Bruno Leibundgut (EU)
	Crystal Brogan (NA)
	María Diaz-Trigo (EU)
	Misato Fukagawa (EA)
<i>*Could not attend</i>	Daniel Weselka (EU Board Member)

PUBLIC SUMMARY

The ALMA Board held its April 2023 meeting remotely.

The Board's Chair, Toshikazu Onishi, welcomed all Board members, assessors and attendees, noting especially the attendance of Catalina Margulis, the new Board Secretary, who was attending her first Board meeting.

In addition to other matters during the meeting, the Board:

1. Reviewed the status of ALMA
2. Reviewed the impact and recovery efforts resulting from the October 2022 cyberattack
3. Reviewed the status of Cycle 9 and 10
4. Received the ASAC report from the ASAC Chair
5. Reviewed the status of the Wideband Sensitivity Upgrade
6. Received the ABC Report from the ABC Chair
7. Approved the 2022 carry-forward resolution

ALMA Overview and Cycle 9/10 update

The Board noted the presentation given by the ALMA Director, regarding the status of ALMA, including:

- Anticipated collective bargaining in December, 2022
- 10th anniversary of ALMA's inauguration
- General outcome of Cycle 9
- Cycle 10 call for proposal process update
- Search for ALMA Deputy Directors of Operations and Development status

Scientific Matters

The Board noted the presentations given by the Head of the ALMA Department of Science Operations, the Observatory Scientist, the Chair of the ASAC, and the Chair of the Board's Science Committee regarding:

- Impacts of the cyberattack to Science Operations
- Delayed call for proposals
- New capabilities available in Cycle 10
- Assessment of ALMA's scientific capabilities, system performance and of scientific outcomes
- Ways to maximize ALMA's scientific impact, including high-frequency observations

Development Matters

The Board noted the presentation given by the acting Deputy Director of Development, the JAO WSU Project Manager, and the JAO Development Systems Engineer regarding the status of the WSU, including:

- Systems that need to be upgraded as part of the WSU
- Priorities
- Main challenges for the coming years

Financial Matters

The ALMA Board noted the report of the ALMA Budget Committee on the 2022 budget execution and financial results and projections for 2023, under the current macroeconomic circumstances.

The Board discussed the risks and challenges ahead for the 2023 budget, including changes in foreign currency and energy prices.

The Board approved to restate the 2023 on-site Budget, as recommended by the Director's Council and the ABC.

Finally, the Board approved to 2022 carry-forward request to be spent within Q1 2023.