



The Atacama Large Millimeter/submillimeter Array: An Example of International Collaboration

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Int'l. Astronomical Facilities: ALMA



- Interferometric array (66, 12-m & 7-m antennas) operating at mm wavelengths
- Most complex scientific instrument
- Highest-altitude observatory (5,100m)
- AOS and OSF (plus Admin HQs in Santiago)





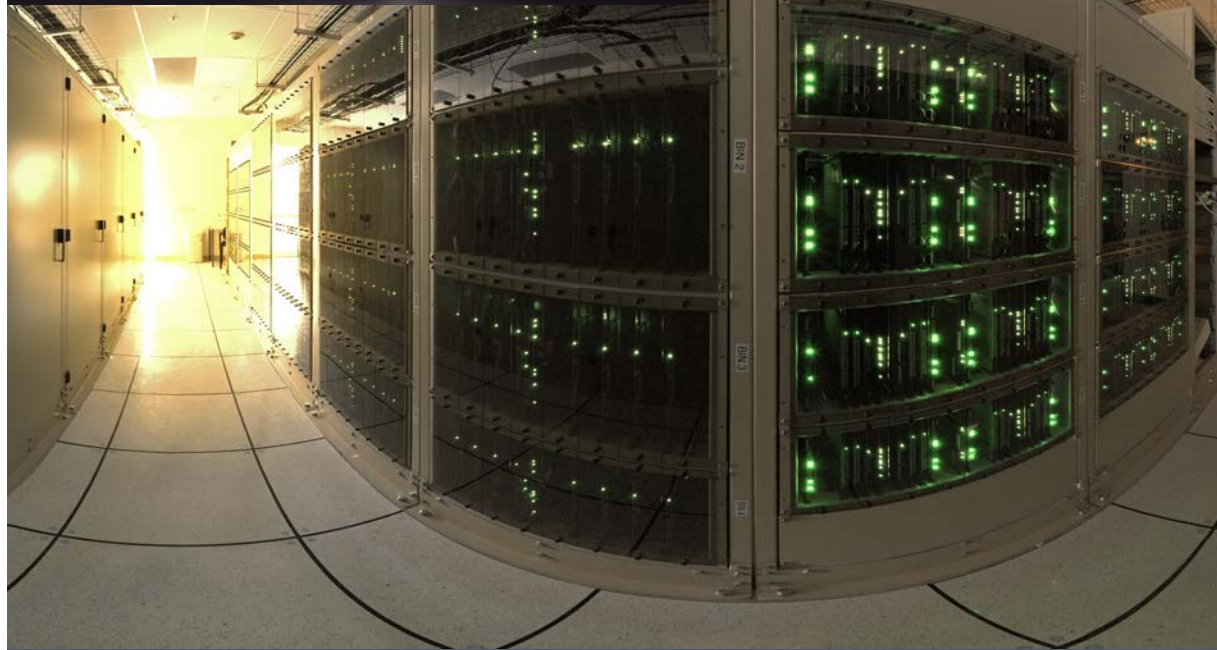
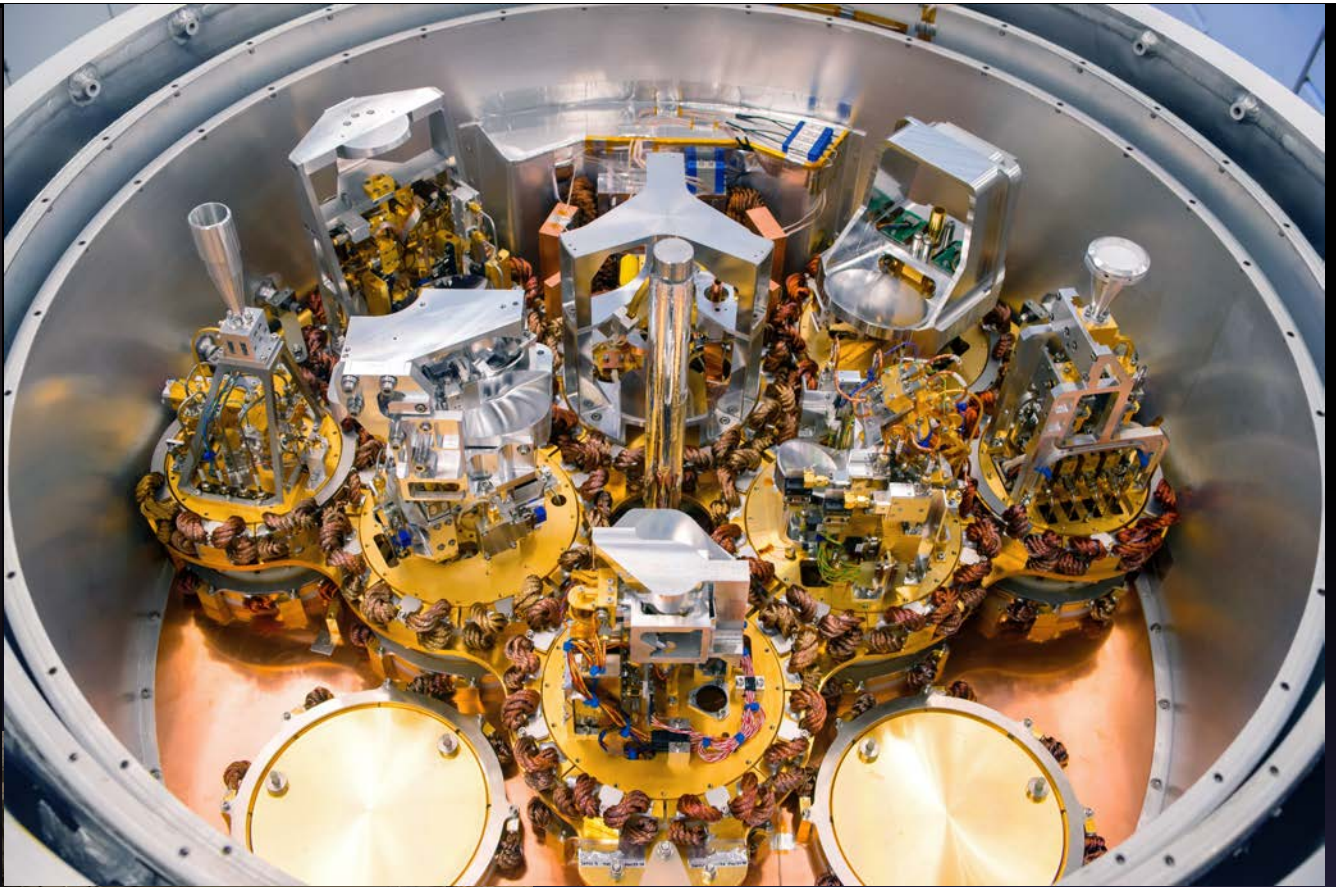
Funding & Budget

- The players:
 - North America (NSF, Canada, Taiwan) – 37.5%
 - Europe – 37.5%
 - East Asia (Japan, Taiwan, South Korea) – 25%
- Total construction cost: \$1.4B (~\$500m NSF)
- Yearly operations: ~\$110m
 - Facilities: Ops Support Facility (OSF) at 2,300m + Array Operations Site (AOS) at 5,100m + JAO at Santiago
 - ~250 staff
 - Science ops and user support



Access and Science Ops

- Time: Chile (10%), then by share
- Open, merit-based, fee free
 - Proposal admin
 - Data acquisition and archive
 - Science-ready data distribution



Thank you!
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