



Cycle 5 Proposal Stats, Workshops and SACs

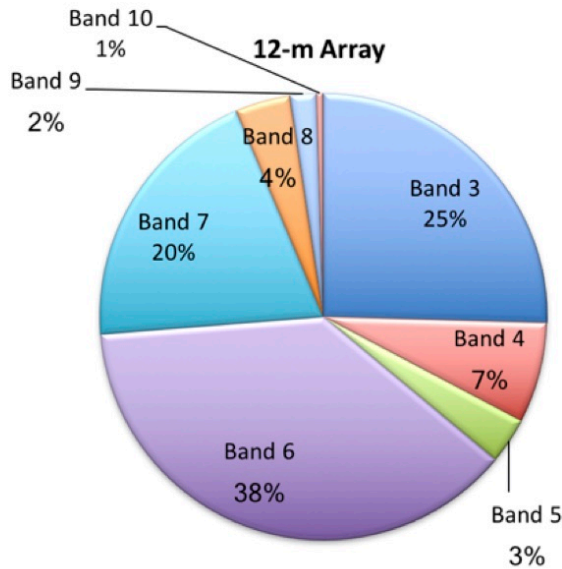
Daisuke Iono (NAOJ)
EA Program Scientist



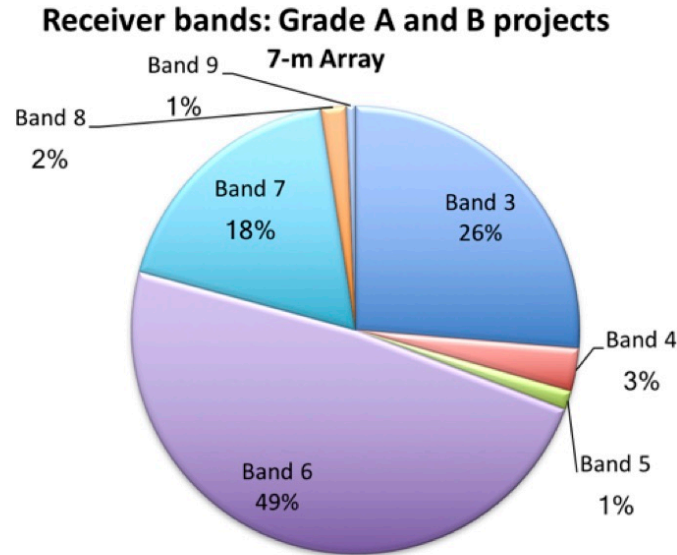
Overall Statistics for Cycle 5

	Chile (CL)	East Asia (EA)	Europe (EU)	North America (NA)	Other	Total
Submitted Proposals						
Number of proposals	91	335	695	492	48	1661
12-m Array time (hours)	975	3778	6384	4568	324	16029
7-m Array time (hours)	591	3013	4106	3411	242	11362
Total Power Array time (hours)	307	2939	2391	1893	42	7572
Subscription rate						
12-m Array (4000 h offered)	2.4	4.2	4.7	3.4	N/A	4.0
7-m Array time (3000 h offered)	2	4.5	4.1	3.4	N/A	3.8
Total Power Array (3000 h offered)	1	4.4	2.4	1.9	N/A	2.5
Grade A & B projects						
Number of proposals	49	88	148	142	6	433
12-m Array time (hours)	364	827	1226	1252	37	3706
7-m Array time (hours)	331	450	574	941	4	2299
Total Power Array time (hours)	88	517	506	741	4	1855
Grade C projects						
Number of proposals	13	49	109	85	6	262
12-m Array time (hours)	156	434	819	685	30	2123
7-m Array time (hours)	44	409	675	276	144	1549
Total Power Array time (hours)	75	349	337	160	0	920

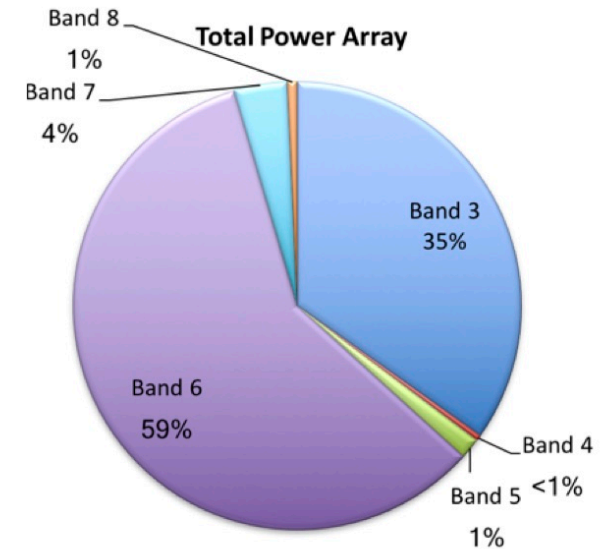
Receiver Bands



12m array



7m array

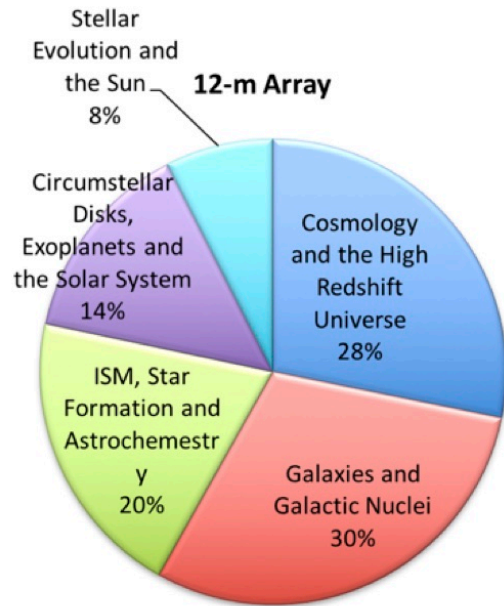


TP array

Band 6 is the popular band, followed by Band 3 and 7. Fraction of high frequency bands is still small.

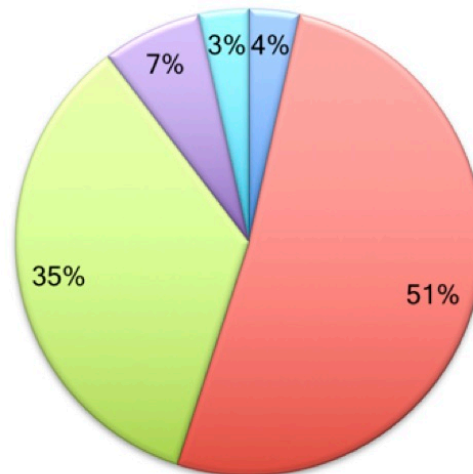


Science Categories



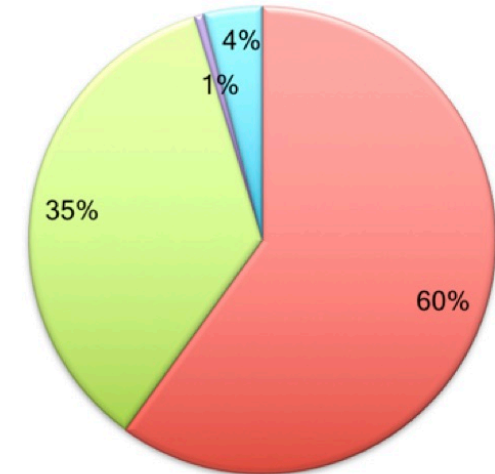
12m array

Science Categories: Grade A and B projects
7-m Array



7m array

Total Power Array



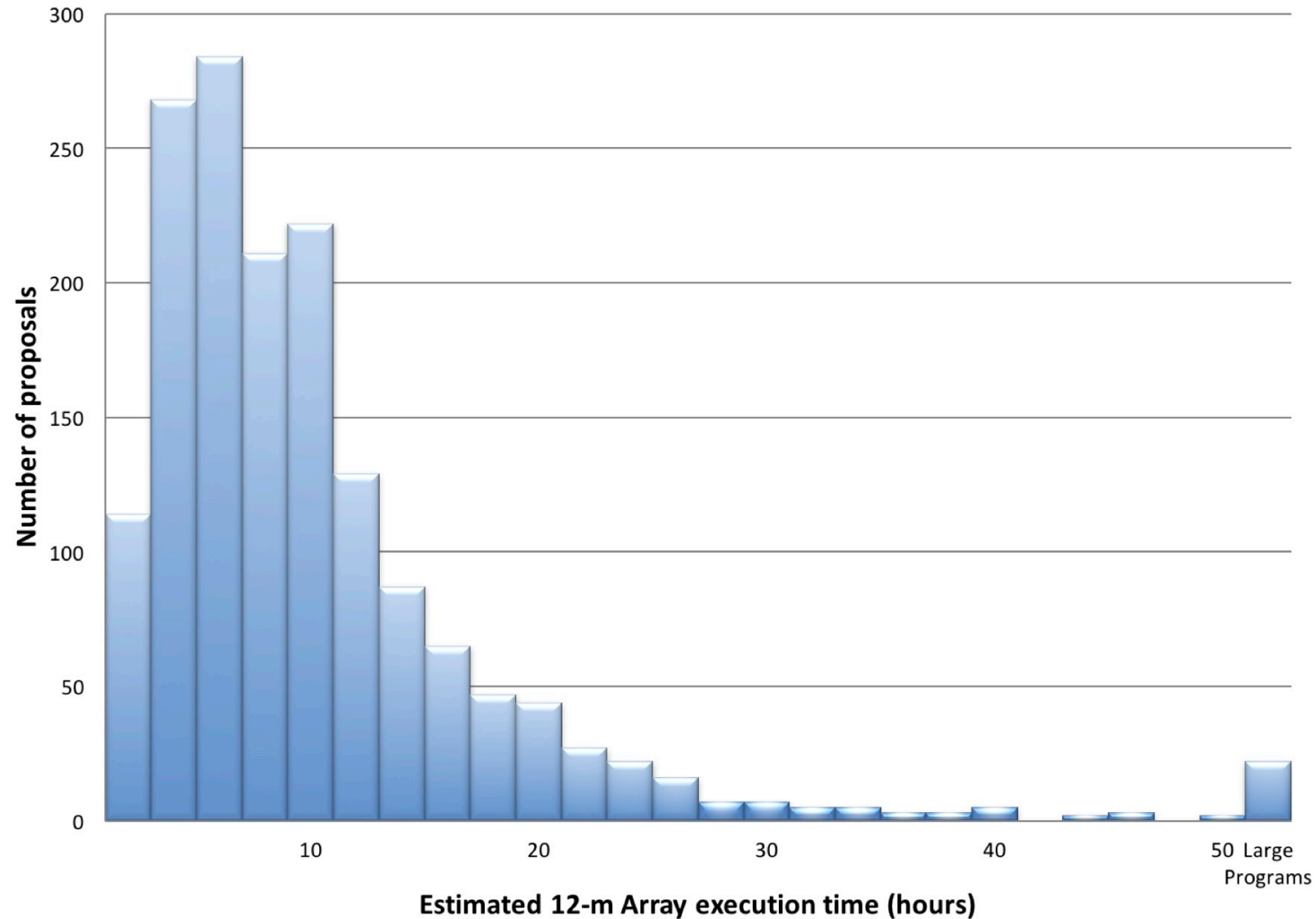
TP array





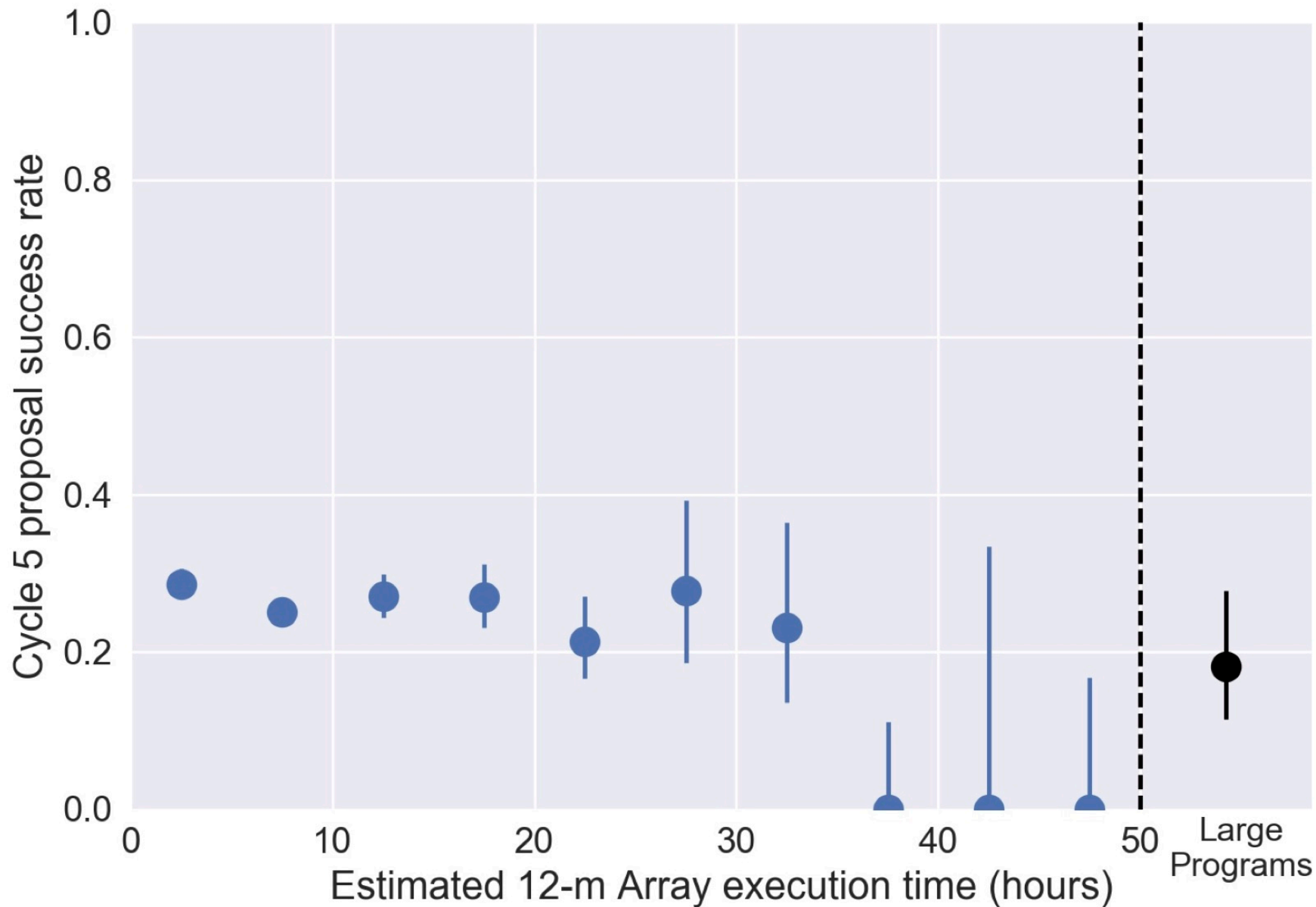
Number of submitted proposals per execution time

Number of submitted proposals per 12-m Array execution time





Success rate as a function of execution time





Cycle 5 Large Proposals

4 accepted out of 22 submitted proposals

1. **ALMA-IMF: ALMA transforms our view of the origin of stellar masses** PI: Frederique Motte (EU); co-PIs: Adam Ginsburg (NA), Patricio Sanhueza (EA), and Fabien Louvet (CL)
2. **100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution** PI: Eva Schinnerer (EU); co-PIs: Adam Leroy (NA), Guillermo Blanc (NA), Erik Rosolowsky (NA), Andreas Schruba (EU), and Annie Hughes (EU)
3. **ALCHEMI: the ALMA Comprehensive High-resolution Extragalactic Molecular Inventory** PI: Franceso Costagliola (EU); co-PIs Nanase Harada (NA/EA) and Jeffrey Mangum (NA)
4. **ALPINE: The ALMA Large Program to INvestigate CII at Early times** PI: Olivier Le Fèvre (EU); co-PIs: Andreas Faisst (NA), Daniel Schaerer (EU), John Silverman (EA), Paolo Cassata (CL), Lin Yan (NA), Peter Capak (NA), and Matthieu Bethermin (EU)





DDT Proposals

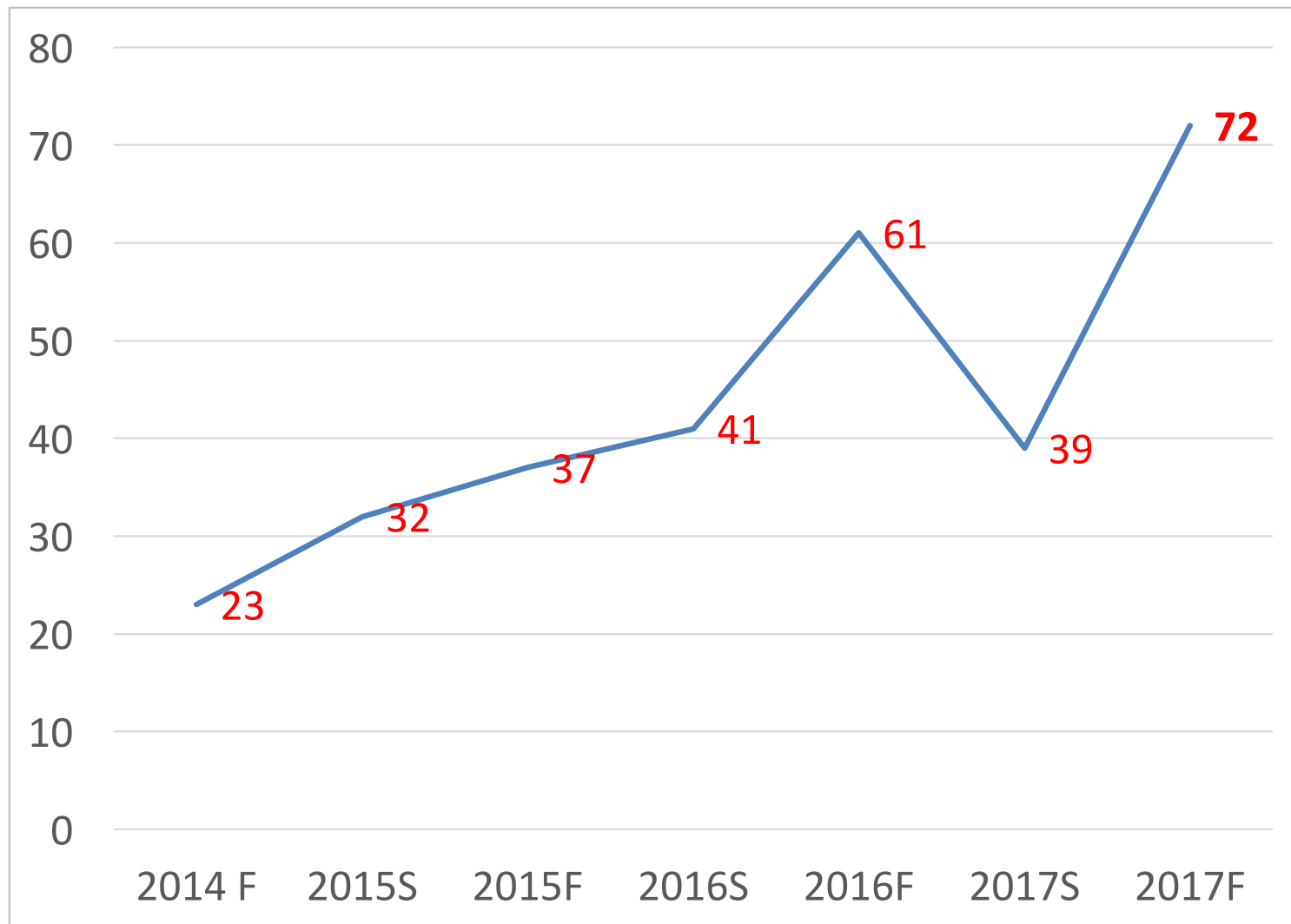
1. Proposals requiring the immediate observation of a sudden and unexpected astronomical event
2. Proposals requesting observations on a highly competitive scientific topic, motivated by developments that have taken place after the regular proposal submission deadline.
3. Proposals asking for follow-up observations of a program recently conducted with ALMA or any other observing facility, where a quick implementation is expected to provide breakthrough results.





ALMA Science Output

Number of ALMA related presentations at the ASJ Meetings





ALMA Workshops

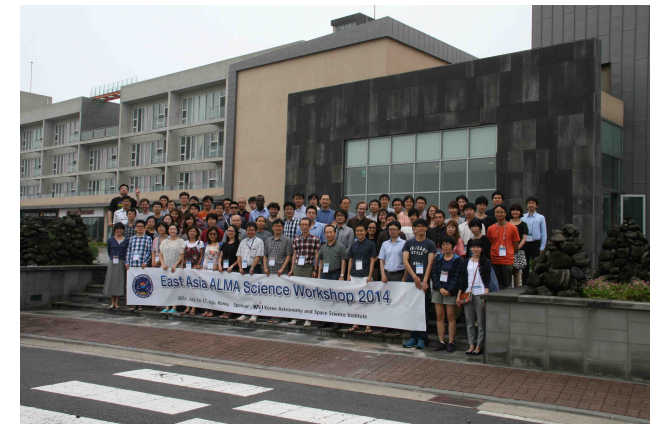
Purpose: To promote community-led ALMA science activities that will lead to strong and competitive ALMA proposals from the EA region. Call for workshop proposals occur twice a year (evaluated with 2 JSAC members).

2016a	2016b	2017a	2017b
ALMA Deep Survey WS 2016 (Kohno)	ALMA Stellar WS (Izumiura)	Gaseous Debris Disk WS (Higuchi)	Protoplanetary Disk (Akiyama)
Extensive CO Survey of Nearby Galaxies with ACA (Egusa)	ALMA WS for Solar System Planetary Obs. (Sagawa)	Star Formation with ALMA (Tokuda)	WS on Solar System (Sagawa)
Obs of Debris Disk with ALMA (Higuchi)	Mm/THz Receiver WS (Sakai)		ALMA Stellar WS (Imai)
	Scientific Potential of ALMA Solar Obs (Shimojo)		
	ALMA Workshop on M83 (Hirota)		
	Protoplanetary Disk Obs with ALMA (Tsukagoshi)		



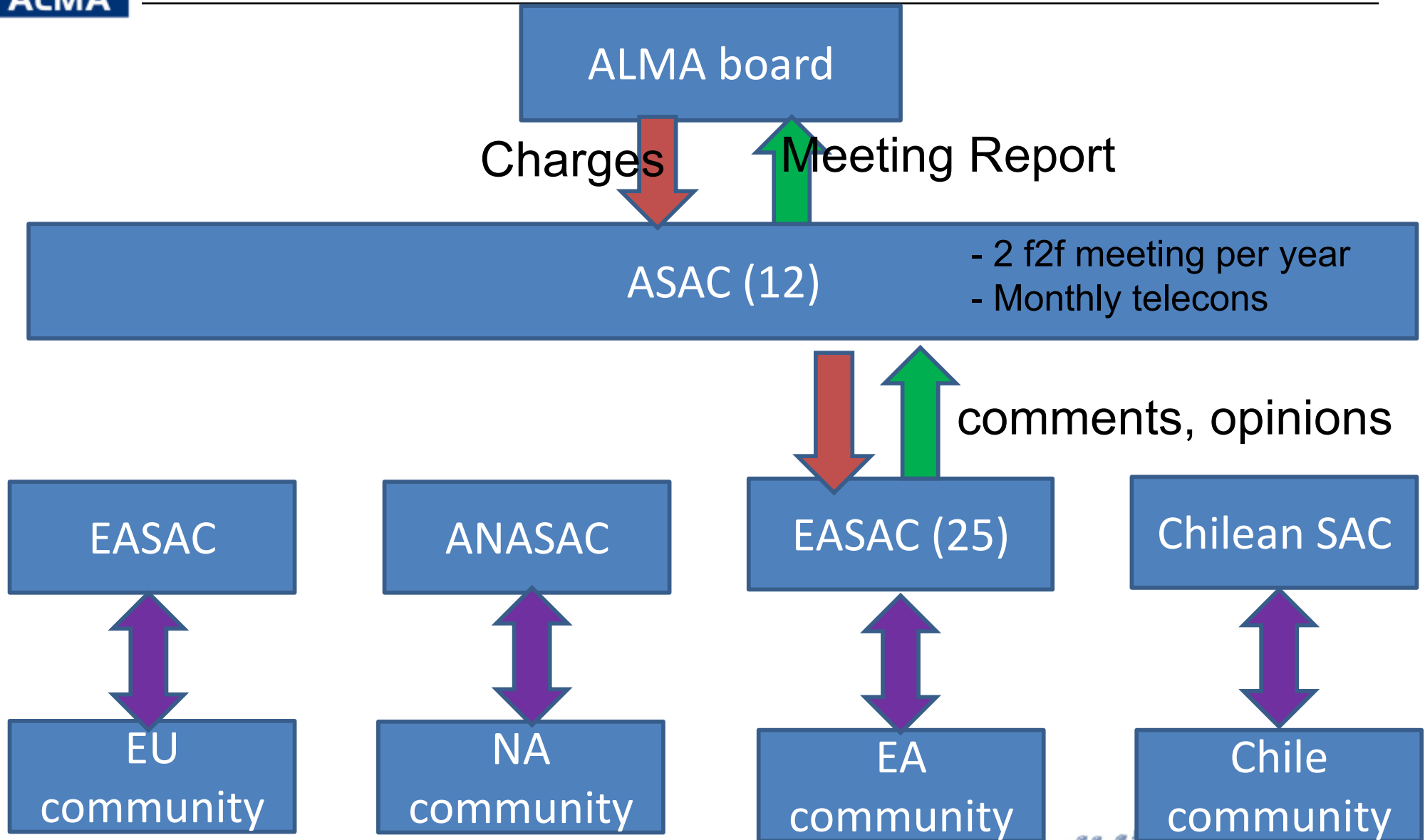
EA ALMA Science Workshop

- Five ALMA-JT meetings were held prior to 2012
- September 12-13, 2012, KASI, Korea
 - 54 participants
- September 2-4, 2013, ASIAA, Taiwan
 - 80 participants
- July 14-17, 2014, Jeju Island, Korea
 - 84 participants
- December 8 – 11, 2015, I-site, Osaka, Japan
 - 107 participants
- March 10-12, 2016, ASIAA, Taiwan
 - 110 participants
- **November 27-29, 2017, KASI**
 - **94 participants**
- Late 2018, Japan





Science Advisory Committees





ASAC and EASAC

- **ASAC**

- NA 4, EU 4, EA 3, Chile 1
- EA: Munetake Momose (Deputy Chair), Kotaro Kohno, Jongsoo Kim, Nami Sakai (from Dec 2017)

- **EASAC**

- **Japan**

- **External members**: Akio Inoue, Hiroshi Imai, Kotaro Kohno, Hideo Sagawa, Munetake Momose, Toru Nagao, Hideko Nomura, Tomoharu Oka, Toshikazu Onishi, Nami Sakai, Kengo Tachihara
- **Project members**: Seiichi Sakamoto, Daisuke Iono, Satoru Iguchi, Kenichi Tatematsu, Shinichiro Asayama

- **Taiwan**: Patrick Koch, Vivien Chen, Ya-Wen Tang, Wei-Hao Wang
- **Korea**: Jongsoo Kim, Bon-Chul Koo, Aeree Chung, Aran Lyo