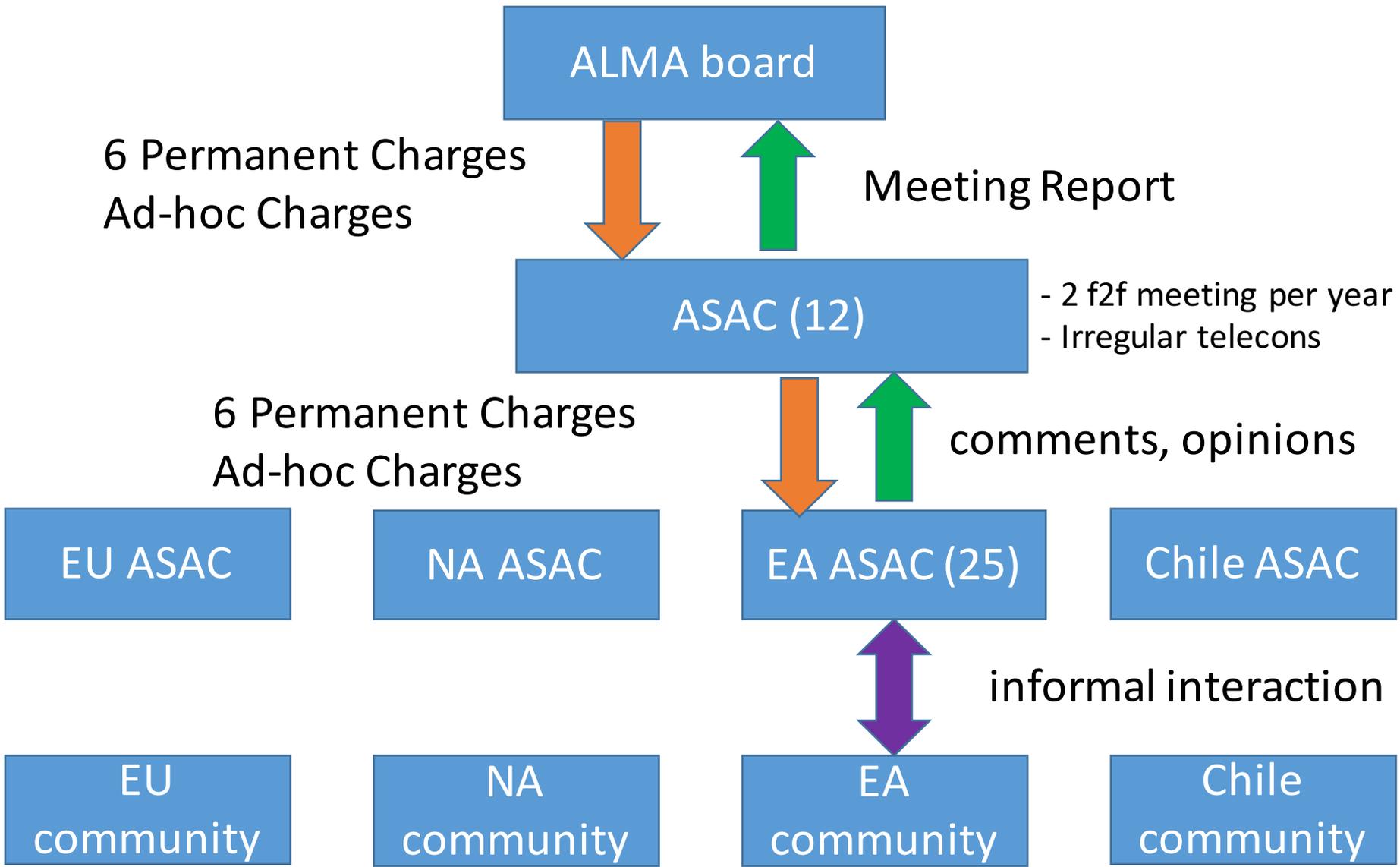# Report from ALMA Science Advisory Committee

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Permanent Charges

- Assessment of the performance of ALMA scientific capabilities
- Assessment of the technical aspects of the ALMA system performance
- Assessment of the science outcomes from ALMA (publications, citations, press releases, web sites, etc.)
- Recommendation of ways to maximize ALMA's scientific impact (Proposal Review Process)
- Reporting on operational or scientific issues raised by the wider community (ANASAC, ESAC, EASAC, Chile)
- Assessment of the scientific impacts of the ALMA Development Program.

Ad-hoc Charge of the last ASAC meeting

- study and define the relative priority for the communities to have access to raw data

ASAC, EASAC

- ASAC
  - NA 4, EU 4, EA 3, Chile 1
  - EA: Munetake Momose (Deputy Chiar), Kotaro Kohno, Jongsoo Kim
- EASAC
  - Japan 16
    - External members 11: Akio Inoue, Hiroshi Imai, Kotaro Kohno, Hideo Sagawa, Munetake Momose, Toru Nagao, Hideko Nomura, Tomoharu Oka, Toshikazu Onishi, Nami Sakai, Kengo Tachihara
    - Project members 5: Seiichi Sakamoto, Daisuke Iono, Satoru Iguchi, Kenichi Tatematsu, Shinichiro Asayama
  - Taiwan 4: Patrick Koch, Vivien Chen, Ya-Wen Tang, Wei-Hao Wang
  - Korea 4: Jongsoo Kim, Bon-Chul Koo, Aeree Chung, Aran Lyo

Selected points related to science in the last ASAC report

- recommends 2yr configuration schedule (to be optimized for Galactic observations)

- disappointed by low (~75-65%) completion rates for highly ranked projects

- concerned that fast spectral scan mode and circular polarization not offered in Cycle 6

- CASA will be backwards compatible for (pipeline) calibrated measurement sets starting with Cycle 5

- Recommends that JAO improves way to collect demographic data of ALMA users

Selected points related to science in the last ASAC report

- Recommends to reduce the page limit for scientific justification from 4 to 3 pages to reduce workload on review panel members

- favors adding a duplication checkbox to the OT where PIs confirm that they have checked for duplications

ASAC assessments/concerns - Ad-hoc

"ASAC to study and define the relative priority for the Communities to have access to raw data."

- intensely discussed this charge (see also detailed response in report)
- raw data access = access to data prior to completion of QA2 process

1. Timely completion of QA2 for completely observed MOUSs remains highest priority.
2. Release of raw data for partially/fully completed MOUSs to PIs who wish to have access is desirable. A number of scientific reasons exist. Start of the proprietary period upon delivery of the first raw data is acceptable. Placing other constraints on raw data release (e.g. QA0 pass) is acceptable.
3. Providing user support for such PIs is also an important aspect. Concerns raised were adverse effect on QA2 processing for other projects and possibility of no support for such PIs. The consensus is that raw data support must not interfere with timely progress of QA2 processing (see point 1)).
4. Detailed warnings to the PIs on proprietary period and user support availability must be provided by the project.
5. Impact of raw data release on user support demand should be monitored.
6. The observatory should strive to have a uniform data release policy.