Telescope bibliographies are integral parts of observing facilities. They are used to associate the published literature with archived observational data, to measure an observatory’s scientific output through publication and citation statistics, and to define guidelines for future observing strategies.

The ESO and NRAO librarians as well as NAOJ jointly maintain the ALMA (Atacama Large Millimeter/submillimeter Array) bibliography, a database of refereed papers that use ALMA data.

**WORKFLOW – from data to statistics**

1. **PZ receives data...**
2. **... data is used in a paper...**
3. **... and remains there...**
4. **ALMA bibliography**
   - Parameters:
     - Program IDs
     - Proposal types
     - ALMA partners
     - Archive tags
5. **Public interface**
   - Information retrieved on-the-fly from ALMA Science Archive
   - Links to data in ALMA archive
6. **... and into reports and statistics**
   - Journal distribution: A large fraction (8%) of publications has been published in high-impact journals (Nature and Science).
   - Re-publication of ALMA data (total: 110, pub year: 2012 - Apr 2014)
7. **Policy for paper inclusion:**
   - Papers must use partly or exclusively ALMA data.
   - Papers that:
     - merely quote results from the literature
     - describe instrumentation or software
     - simply mention ongoing projects
     - suggest future observations
     - develop models or run simulations
   are not included.

**LESSONS LEARNED**

Regular discussion about policies and procedures among all librarians, ALMA archive specialists and ALMA Management is essential in order to provide a bibliography that is as complete, consistent, and multi-faceted as possible.

Using a **semi-automatic tool** such as the FUSE Fulltext Search system facilitates the identification of relevant papers enormously.

Information on how data should be acknowledged in papers has to be communicated to PIs/CoIs clearly and repeatedly. It is also helpful to inspect preprints and to “educate” authors by contacting them if the programID is missing.

**Visual inspection of papers** by the bibliography curators is necessary in order to spot cases where program IDs are missing, incomplete, or wrong.

Publication statistics are **key performance indicators**; it is crucial to design, develop, and implement a bibliography from the very beginning of the mission.