



ALMA Science Archive

Gergö Popping

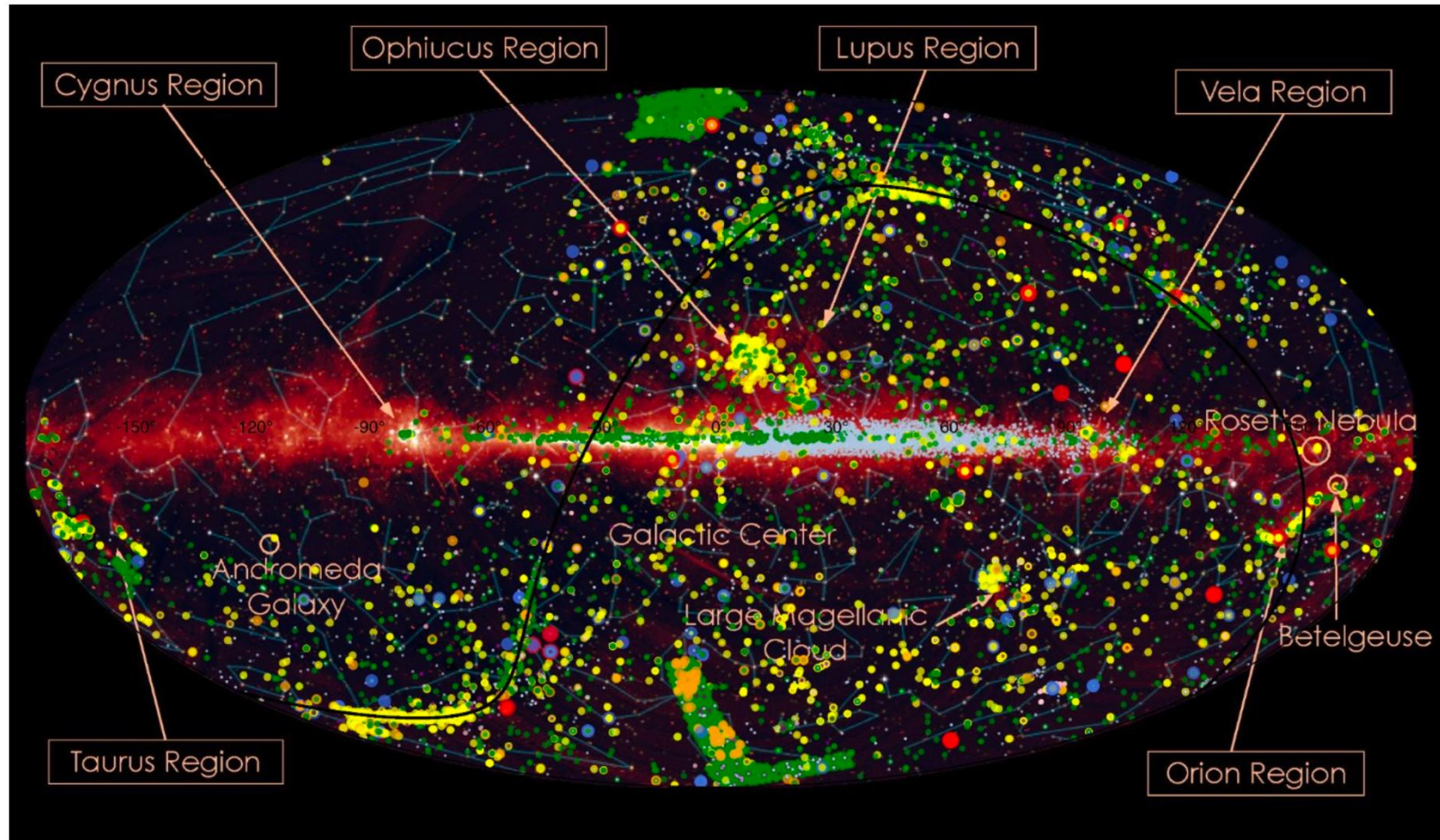
European ALMA Regional Centre

*with major credit to **Felix Stoehr***



Over 80000 science observations in the archive

Distribution of observations in the ASA

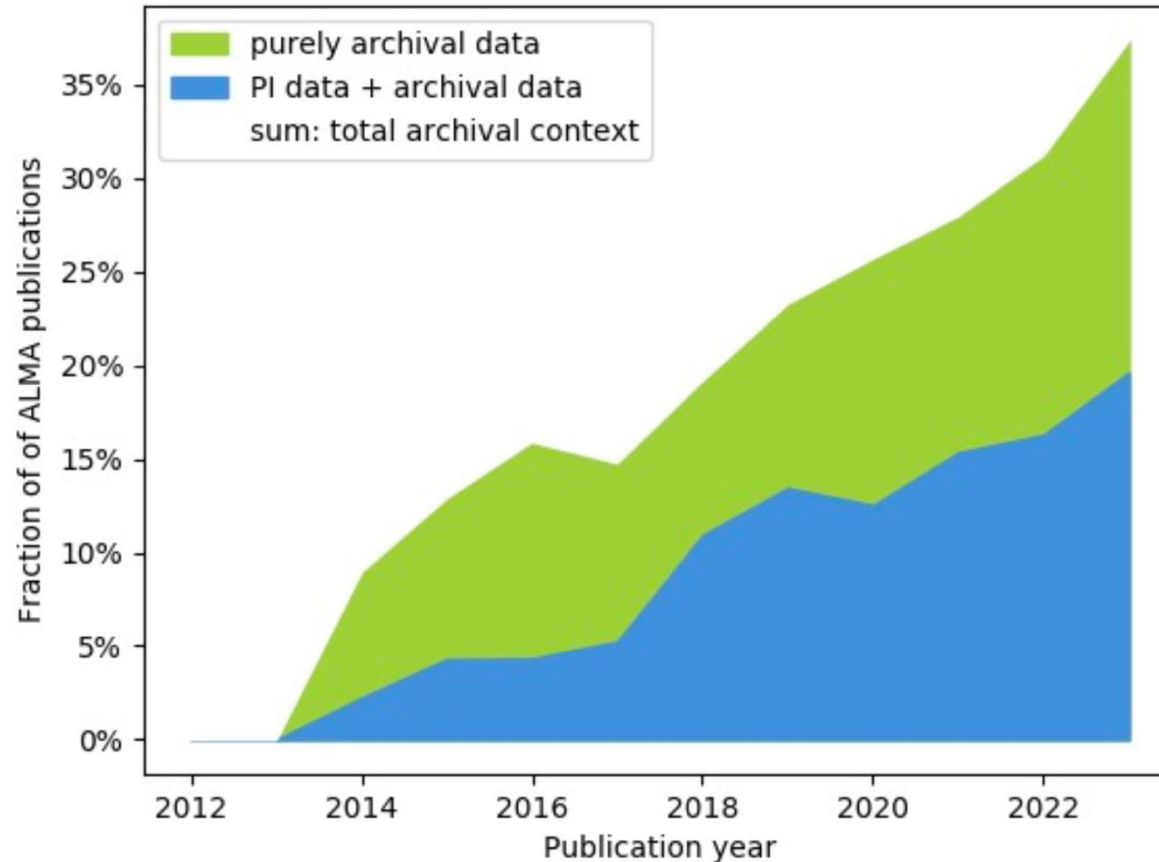


- Band 3
- Band 4
- Band 5
- Band 6
- Band 7
- Band 8
- Band 9
- Band 10

PY. Hsieh

Archival Publications

Growing use of the Archive

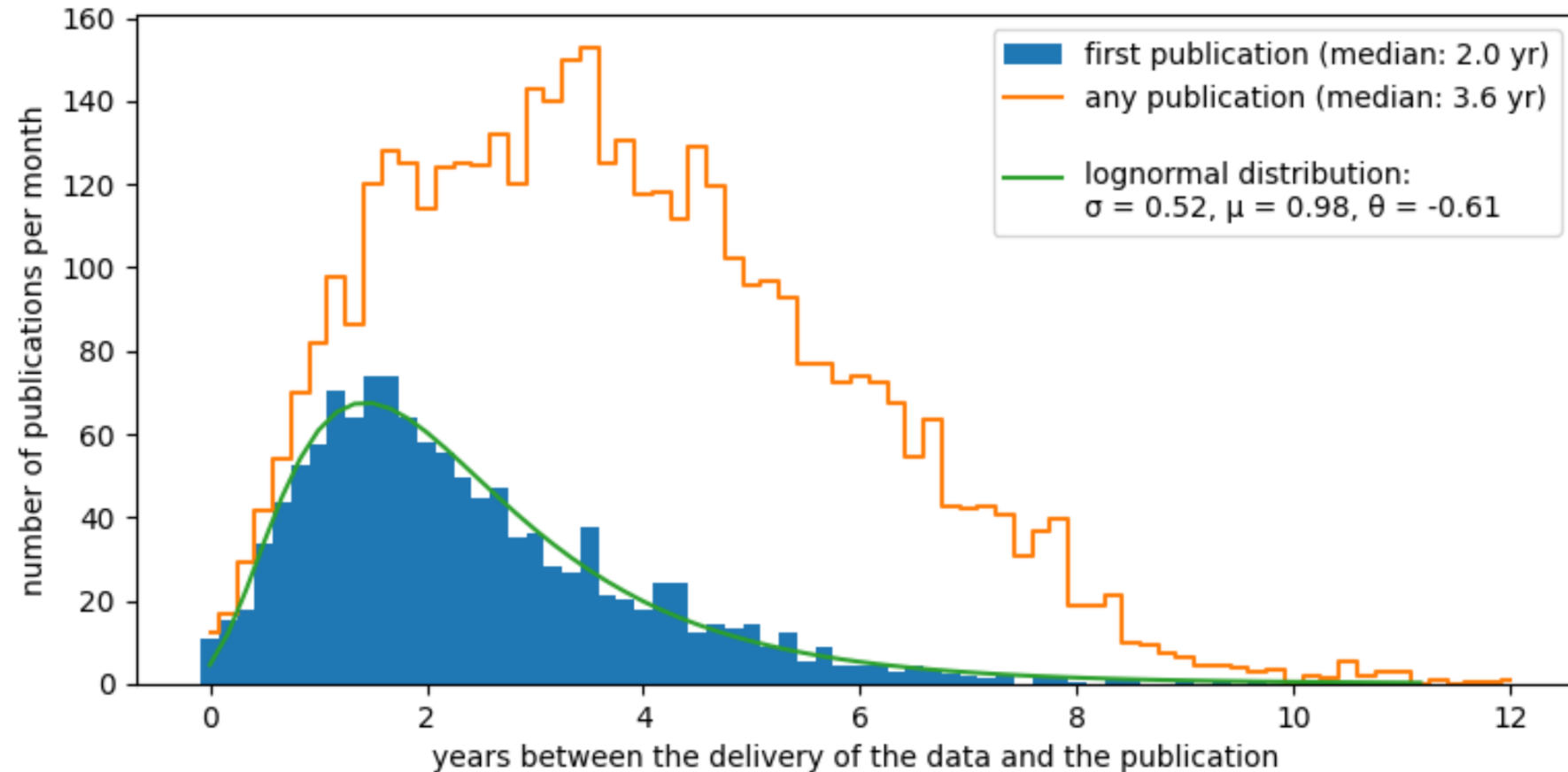


37.7% of all ALMA publications made use of archival data in 2023.

This is a very large number for ground-based PI facilities

ALMA Archival data remains relevant for a long time

Distribution of observations in the ASA



ALMA Science archive v1.0

The ALMA Science Archive Reaches a Major Milestone

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 Alisdair Manning¹
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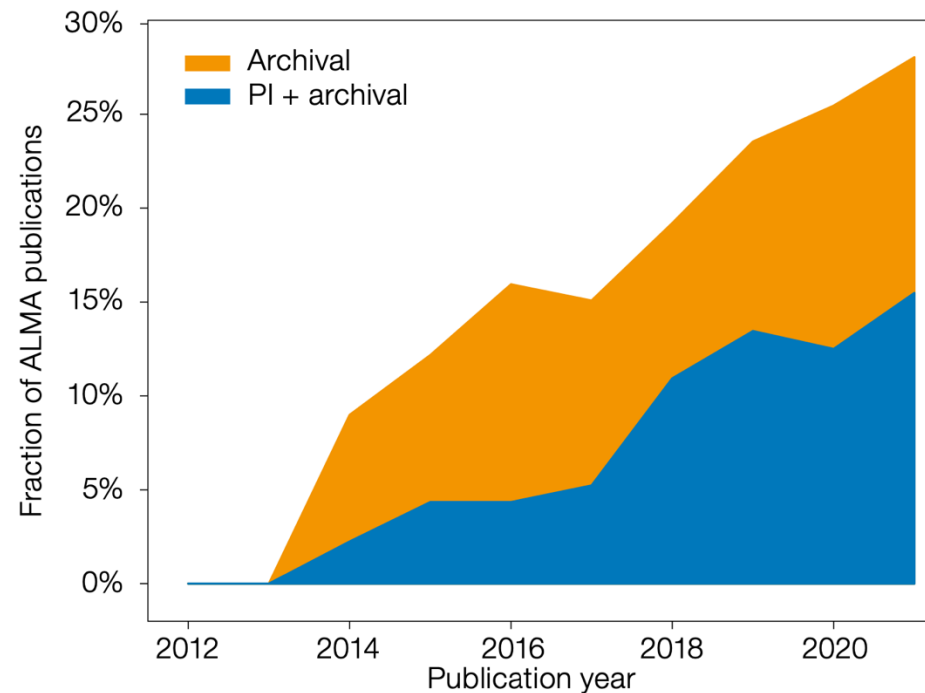


Figure 1. The fraction of ALMA publications with archival context (excluding Science Verification data) is shown as a function of the publication year. The fraction of publications making use of ALMA archival data together with proprietary PI data is shown in blue. Stacked on top is the fraction of publications making exclusive use of ALMA archival data, shown in yellow. Overall, the fraction of ALMA publications with archival context has been continually rising, reaching 28% in 2021.



Archive products

- Raw data
- Scripts to calibrate the raw data
- Continuum images
- Spectral images
- Readme files/weblogs/QA reports
- ADMIT products providing extra information about the data

- Tools for exploring the data within the archive

Archive Primer

Comprehensive document explaining how to work with the archive

Doc. 11.22, ver. 1.0 | February, 2024






Using ALMA archival data - A Primer





Thank you!

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