

ADS for Planets?

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Expansion of the ADS Content Model

The ADS is the authoritative source for Astrophysics research articles, we actively seek to find obscure papers, and to enhance the relevant metadata

Coverage of Planetary is like Physics, complete for refereed, only the easy conferences, only incidental metadata enhancement

There is no SIMBAD/NED for Planetary objects, this indicates a large text mining/metadata enhancement effort

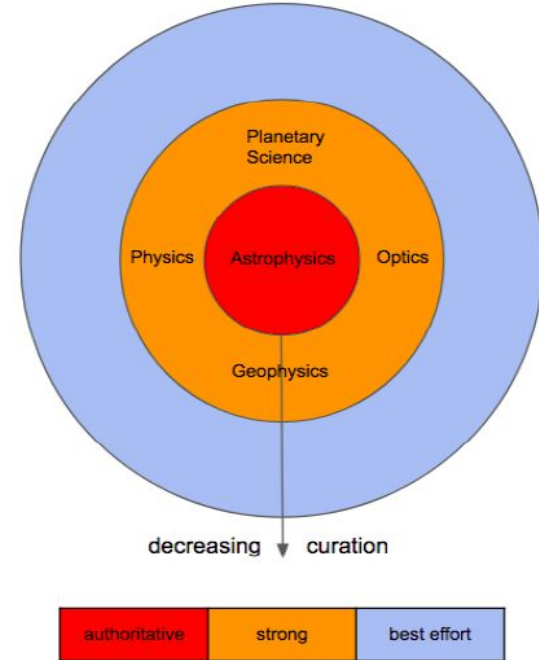


Fig 3. Curation levels of the ADS collections.

Background/History

- NASA Science is split into 4 units:
 - Astrophysics
 - Planetary Sciences
 - Heliophysics
 - Earth Science
- Europeans do not make these distinctions
- Split began with Sputnik
 - Robots could go there
 - Icarus began in 1962
- Exoplanets changes this now

The Scope of the Effort

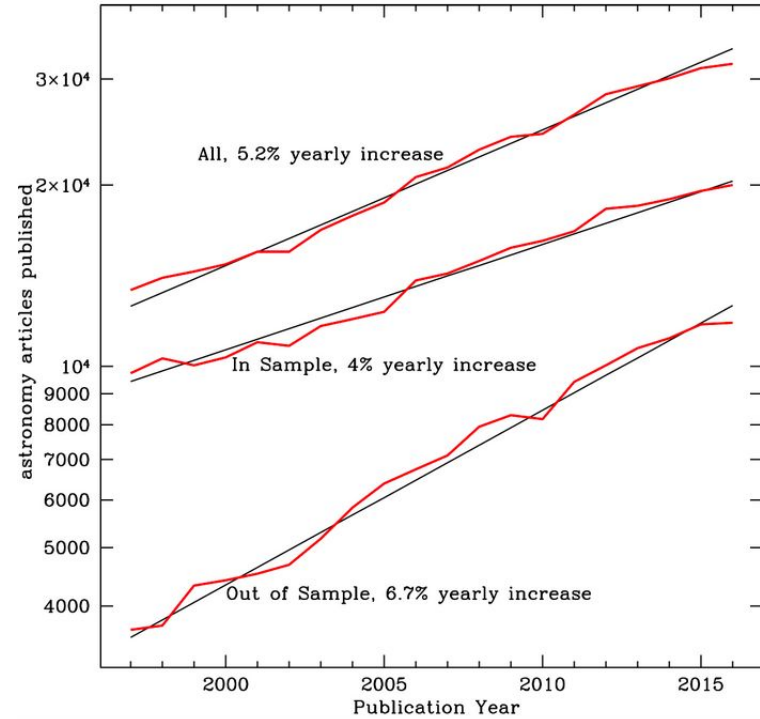
The influence of Astronomy is growing faster than Astronomy itself; as Astronomy becomes less insular, ADS must change and adapt

Because of its connection with Earth Science, Planetary is much less insular than Astronomy

AGU membership is 8x AAS

Important new collaborations will need to be formed

Edwin will have some details



Next Steps

- NASA Planetary Science's role
 - PDS Collaboration (volunteer didn't work)
 - Funding
 - Joint Initiatives with Astro (+Helio? + ES??)
- European (+Japanese + Chinese?) Collaborations
- How important is this?
 - For ADS
 - For Exoplanets
 - For Astrophysics
 - For Planetary Science