

Long-term Web Identifiers in the VO

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sorry...

why, and why now?

- URIs are increasingly becoming *the* source for a document, standard or other resource
- SemWeb and Linked Data technologies rely on URIs being stable, and *should* be dereferenceable
- IVORNs work in principle, but no-one outside astronomy can dereference them
- See <http://www.astro.gla.ac.uk/users/norman/ivoa/long-term-uris.html> for a longer version of this

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- Preserve for 100 years (300? 1000?)
- ...so robust in the face of technology change
- ...and robust w.r.t organisational change
- Usable (scribbleable?)
- Branding can be important (funding!), but is dangerous; neutral/unbranded/opaque identifiers are safest

- For the sake of discussion, how about creating PURLs under <http://purl.org/astronomy/>?
- Or <http://purl.ivoa.net> if need be (cf <http://code.google.com/p/persistenturls/>)
- See <http://purl.org/astronomy>
- Stipulate this for new and old astronomy standards?
- Because we're doing this now for the VOTheory vocabularies, and we'd like to do an IVOA-standard thing

backup slides...

relevant documents

- <http://www.astro.gla.ac.uk/users/norman/ivoa/long-term-uris.html>
- Alberto: at Nara (2010), at Boston ADASS (2010) and Boston AAS (May 2011); me at Pune (2011)
- Juha Hakala (National Library of Finland): <http://metadaten-twr.org/2010/10/13/persistent-identifiers-an-overview/> (a *very* good overview!)
- DataCite: <http://datacite.org>

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■ ARK: <http://www.cdlib.org/services/uc3/curation/ark.html>

■ EZID: <http://www.cdlib.org/services/uc3/ezid/index.html>

■ PURL: <http://purl.org>

■ DOI: http://www.doi.org/handbook_2000/appendix_1.html