<!-- Slide number: 1 -->
# Provenance and Context Content Standard (Emerging) – Status of Activities
Sumer ESIP Meeting
July 8, 2014
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### Notes:

<!-- Slide number: 2 -->
# Activities
Papers
NASA Preservation Content Specification
NASA ESDSWG – Preservation related WGs
NASA DOI implementation
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<!-- Slide number: 3 -->
# Papers
“Opinion” Article:
“On the Importance of Data Set Provenance for Science” – submitted to Science Nov. 2013
Rejected by Science Editor after receiving reviews – “too narrow in focus”, “not a standard yet”, “We all acknowledge that data provenance is important, and most of us acknowledge that improved standards are needed. These suggestions are an incremental step in that direction.”
considering submitting to Eos

D-Lib Article – “Data Stewardship in the Earth Sciences” – almost ready

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<!-- Slide number: 4 -->
# NASA Preservation Content Specification
In place since November 2011; current version dated January 2013
Based on PCCS from ESIP Data Stewardship Committee
Requirement for new missions
Checklist for missions in operation
Was provided by HQ for “Phase F (Closeout)” exercise for all missions
Has been used for recently terminated instruments (HIRDLS, GLAS)
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<!-- Slide number: 5 -->
# NASA Earth Science Data System Working Groups
Preservation Information Architecture WG (2013-2014) - Joe Glassy (Chair)
Established a context for PIA standards: PCCS, PCS (and kept abreast of PROV-ES…)
Identified and reviewed use cases: HIRDLS, GLAS, ASTER
Identified breadth of coverage needed as beyond just Missions, to include projects, field campaigns…
Re-cast and emphasized PIA within a project life cycle perspective

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<!-- Slide number: 6 -->
# NASA Earth Science Data System Working Groups
Data Preservation Practices WG (2014-2015) – Elmain Martinez (Chair); Joe Glassy (Co-Chair)
Define use cases across the breadth of project life-cycles: satellite missions, air, balloon, MEaSUREs, etc.
Define a product (artifact) archival life-cycle that fits various types of project life-cycles.
Define guidelines to aid producers in both planning (e.g. adopting standards) and managing (e.g. life-cycle) the product (artifact) delivery process (when, what, how)
Encourage user feedback by proposing that these guidelines be a companion to the PCS document, under configuration management.
Document critical decision points
Review the PCS document for possible refinements that reflect findings from this effort
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<!-- Slide number: 7 -->
# Digital Object Identifiers
ESDIS Project making progress implementing DOI’s.
Automated process to be implemented by August 2014.
Goal – generate DOI’s for over 6800 products held at DAACs
DOI Registration Status as of June 2014:

![](Picture8.jpg)
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<!-- Slide number: 8 -->
Digital Object Identifiers
ESDSWG DOI WG (2013-2014) made recommendations on DOI’s and process.
Key recommendation to allow DOI suffix to be an opaque string
All recommendations resolved and fully implemented
ESDSWG DOI WG (2014-2015) focused on landing pages
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