

PDR RID Report

Date Last Modified 7/26/95

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Document

RID ID	PDR 432
Review	SDPS
Originator Ref	
Priority	2

Section

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Figure Table

Category Name Management

Actionee Project (Rama)

Sub Category

Subject Reference Papers

Description of Problem or Suggestion:

There is no policy on what published reference papers should be included in the ECS system and there is no established mechanism as to how these reference papers will be ingested into the Document Data Server.

Originator's Recommendation

A formal mechanism must be identified whereby science reference papers are ingested into the Document Data Server. In addition an ESDIS policy must be set as to what reference papers will be included in the Data Document Server.

GSFC Response by: Ramapriyan

GSFC Response Date 07/19/95

Requirements

The pertinent Level 1 requirement and data policy statements are documented in the Execution Phase Project Plan for Earth Observing System (EOS) - May 1995:

Level 1 requirement 8.2.2.5: The EOSDIS shall archive all reduced standard products and standard products, together with their associated models, algorithms, source code, and documentation produced as part of the MTPE sources and data shown in Table 8-1 [of the EOS Execution Phase Project Plan].

The Data and Information Policy - Appendix C:

"EOSDIS will provide the capability for archiving and making available all science products, models, algorithms and documentation generated as part of the EOS mission. All products derived from EOS data provided for research purposes at the marginal cost of filling the user request, and which are the basis for refereed articles including models, algorithms, and associated documentation must be made available to the research community.

EOSDIS will include and make available information about the data such as quality assessments, supporting literature references, and catalog and directory entries."

The corresponding Level 3 requirements on ECS are:

IMS-0320: "Standard Product related metadata shall contain, at a minimum...Published papers, research results, significant results and references by author and date..."

IMS-0420: "...provide, or where appropriate contain reference to, such information as...Bibliography of published and unpublished literature (as available) derived from the (EOS) product...Cross references between differing studies of the same data...Other documents relevant to quality assessment of EOS data..."

Policy considerations

Because of the potential for documents of various content and quality, there is, indeed, a need to define a policy as to what reference papers, and other published and unpublished literature, will be in the ECS Document Data Server. Owing to the broad science context in many of the documents, any policy defined by ESDIS must reflect science community consensus on issues such as review, approval, monitoring, and access to documentation ingested into ECS. ESDIS proposes to work with the IWG, the DAACs and ECS to formulate a joint policy that addresses science, technology, and operational concerns. For example, many documents within ECS will be directly tied to the production

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documents within ECS will be directly tied to the production of EOS products and may be readily handled by the instrument PIs and their team members. Another example is that access restrictions, if any, may be handled via the Advertising Service although web technology is rapidly expanding open exchange of data and information. The policy must also define which references must be included in full form and which should be pointed to such that the user may obtain them from the original source.

Implementation

ECS is in the process of definitizing the design of the formal mechanism for ingesting reference papers into the Document Data Server. An ECS Level 3 requirement (IMS-0490) specifies that ECS "...shall provide the capability to ingest documentation in a number of digital text formats, at a minimum, the following: a. ASCII text, b. Microsoft Word, c. HTML, d. Interleaf, e. Postscript, f. WordPerfect." Documents submitted in one of the above formats will be readily ingested by the ECS Ingest Client, keywords automatically extracted, and the document stored in the Document Data Server. Keywords can be automatically extracted because documents must be provided with predefined attributes as prescribed in the ECS Core Metadata Model. A specific scenario will be published in the upcoming DID 305 (Segment/Design Specification) that will describe the process for inputting a DAAC guide document. Science documents submitted by the science community will use the same ingest process.

HAIS Response by:

HAIS Schedule

HAIS R. E.

HAIS Response Date

Status	Closed	Date Closed	7/26/95	Sponsor	Szczur
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***** Attachment if any *****
