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Action	
Info	LAUCX
Workshop	✓
Landis	✓
Metz	✓
DSB	✓
CSB	✓
T&AS	✓
PD&CO	✓
EDSPO	✓
S&AS	✓
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MEMORANDUM OF UNDERSTANDING

between the

U.S. GEOLOGICAL SURVEY

and the

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

for

- PARTICIPATION IN

THE EARTH OBSERVING SYSTEM DATA AND INFORMATION SYSTEM

Planning, Implementation and Operation

Purpose

This Memorandum of Understanding (MOU) addresses the relationship between the National Aeronautics and Space Administration (NASA) and the U.S. Geological Survey (USGS) required to plan for, implement and operate the Earth Observing System (EOS) Data and Information System (EOSDIS) Land Processes Distributed Active Archive Center (DAAC). DAAC operations include: product generation system functions, information management system functions, and archive and distribution system functions. This agreement elaborates upon the NASA/USGS MOU for Experimental Land Remotely Sensed Data Processing, Distribution, Archiving, and Related Science Support dated March 16, 1988, and supersedes the NASA/USGS MOU for EOSDIS dated 12/03/92. Based on this agreement, USGS will proceed with all necessary actions, including acquisition of required facilities, equipment and staff, to support EOS and related land data management responsibilities..

NASA's authority to enter into this interagency MOU is contained in the National Aeronautics and Space Act of 1958, as amended, 42 U.S.C. 2473(i)(5) and (c) (6). USGS's authority to enter into this interagency agreement is the Economy Act (31 U.S.C. 1535).

NASA' Responsibilities

NASA will define requirements and implementation guidelines for systems required to manage EOS and related land data and to produce and distribute data products. These systems will be provided through the EOSDIS Core System (ECS) contract. NASA will deliver data from EOS and other appropriate sources from ground reception or other locations to the Land Processes DAAC.

NASA will fund DAAC short-term archive functions. NASA will fund product generation system functions, information management system functions, and any

needed ancillary systems and equipment for the life of the project. NASA will fund archive and distribution functions, including operations and maintenance costs for EOS and related data to acquisition date plus 3 years. NASA funding will be pursuant to written orders signed by a NASA Contracting Officer (see FAR subpart 17.5 and NASA FAR subparts 18.17.5 and 18.17.70). This MOU is not to be considered a funding document for the purposes of recording NASA obligations.

#### USGS Responsibilities

USGS will manage and operate the EOSDIS Land Processes DAAC which will archive, process and distribute EOS and other appropriate land remotely sensed data. USGS will fund long-term archive functions. USGS will fund archive and distribution functions, including operations and maintenance costs for EOS and related data more than 3 years old. USGS will fund construction at the EROS Data Center to provide the basic facilities required to support EOSDIS Land Processes DAAC activities, beginning in early 1994 with occupancy planned for late 1995.

USGS will participate in the development of EOSDIS, with responsibility for liaison with the ECS contractor, participation in design reviews of ECS deliverables, and operation of ECS-deliverable systems. USGS will prototype early EOSDIS (Version 0) systems required to process and distribute existing land remotely sensed data sets as precursor data sources for EOS research. USGS will develop with NASA an EOS Archive Data Management Plan to ensure transition of EOS and other appropriate land remotely sensed data from the short-term archive to the long-term archive.

#### Implementation Approach

USGS will construct the basic facilities required, with facility maintenance expenses included in annual DAAC operation and maintenance cost over the life of the EOS Project, in accordance with NASA and USGS funding responsibilities defined earlier. Funding will be modified annually to account for distribution of funding responsibilities between short-term and long-term archives.

Annual plans will be submitted by USGS to NASA, based upon NASA guidance, with negotiation as required to develop an annual Statement of Work for the Land Processes DAAC.

#### Period of Agreement

This agreement is applicable for the life of the EOS Project, or until superseded by subsequent mutual agreement and is subject to availability of appropriations to support programmatic responsibilities.

Signatures of Approval

U.S. Geological Survey

Robert M. Hirsch  
Robert M. Hirsch  
Acting Director  
U.S. Geological Survey

9/27/93  
Date

National Aeronautics and Space Administration

Shelby G. Tilford  
Shelby G. Tilford  
Acting Associate Administrator  
for Mission to Planet Earth  
National Aeronautics and Space Administration

9/30/93  
Date

