

# Data Access Improvements

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ESDIS Project

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# Overview

- Working with Data Access Working Group (DAWG)
  - Identify and prioritize needed changes
  - Addressing many items through Synergy program
- Expect to receive SWGD distribution recommendations soon
  - Will address as funds become available based on SWGD priorities
- Implementing SWGD ingest and archive recommendations based on available funds
  - Archiving L1A subsets
- Enhancing Data Pools to provide more on-line data and data services
  - Initial data pool operational at GSFC DAAC
- Enhancing HDF Toolset (HEG) to aid in use of retrieved data
- Integrating UAH HEW into ECS

## DAWG Results to Date

Pri.	Problem	Fix
1	Reduce data distribution failures.	6A.05 TE; Order Manager
1	EDG needs info for media guidance.	EDG 3.4 Patch, 6A.05 TE
1	Users need info on failed orders.	6A.05 TE; Order Manager
1	Need to decrease search and order time.	Tuning; Order Manager
2	Reduce failed orders.	Order Manager
3	System cannot reorder failed orders.	Order Manager
4	Need sub-sampling and subsetting tools.	HEW, HDF Tool Set, DAAC
5	Operator cannot reorder failed orders.	Order Manager
6	Poor standing order support.	Order Manager
7	Can't track failed or cancelled guest orders.	Order Manager
8	Need alternate data projections & formats.	HDF Tool Set
9	Need spatial subscriptions.	Spatial Sub. Server
10	Need data manipulation tools for end users.	HDF Tool Set

## DAWG Results To Date (cont.)

<b>Pri.</b>	<b>Problem</b>	<b>Fix</b>
11	Need subscription with media orders.	Spatial Subscription Server, Order Manager
12	Need media order guidance.	EDG 3.4 Patch, 6A.05 TE
15	Need subscription bundling.	Spatial Subscription Server, Order Manager
18	Can't handle large orders.	Order Manager
19	FTP download problems.	6A.05 TE
20	Need MODIS granule browse in EDG.	Discussions underway.

# Data Pool CY'02 Enhancements

- **Capabilities to be delivered by December 2002:**
- Population via search and script-based ingest
- Interfaces to external ECHO & EDG search engines
- Personalized data views, bookmarks and data themes
- Access via OpenGIS interfaces
- Data access services via HDF Toolset (HEG)
- Compression on distribution
- Expanded capacity and throughput (due in August 2002)
  - NSIDC: 2 TB
  - EDC: 44 TB; on-line ASTER L1B in GeoTIFF
  - LaRC: 25 TB
  - GSFC: 63 TB; on-line MODIS L1B data to smooth flow to MODAPS
- Management of NEPSTER direct broadcast and Rapid Response data for MODIS
- Consistency checking tools