EOC User Services

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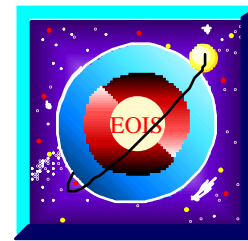**Email: nio@eoc.nasda.go.jp**

EOC Systems for User Services

EOC user services are provided by EOIS/DDMS*

*** NASDA Earth Observation data and Information System /
Data Distribution and Management System**

The main functions of the EOIS/DDMS are ;

- to exchange data and information with relevant agencies

- to archive satellite data

- to provide catalogue information and browse images

- to manage orders for satellite data

- to distribute satellite data

Development Status

- EOIS enhancements for ADEOS-II level 1 products are now in the operational performance test phase.

- EOIS enhancements for ADEOS-II higher level products are now in the software design phase.

EOIS Development Schedule

year	1996			1997				1998				1999				2000				2001
	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st
milestone		◆ ADEOS Launch					◆ TRMM Launch													
ADEOS-II (Level 1)	Conceptual Design ◄────►			Preliminary Design ◄───────────────►								Development & Test ◄────►			Interface Test (1) ◄──►					
										Critical Design					Interface Test (2)* ◄────────►				
								PDR				CDR			Connectivity Test					
															Training ◄────────►				
ADEOS-II (Higher Level)												Critical Design ◄────────────►				Development & Test ◄─►		I/F Test ◄─►	

*: test between processing systems

User Services from EOIS

EOIS user services at EOC are categorized as ;

1. Catalogue information services

- Catalogue search
- Browse search
- Product Order

2. Off-line data distribution service (on media)

- Scene orders
- Standing orders

3. On-line data distribution service (via network)

- Graphical images (GIF data) on the WWW
- Standard products via the internet (selected according to size)
- Data transmission to relevant agencies

1. Catalogue Information

Data Ordering

- **Users can submit orders for products identified in catalogue searches by the EUS**

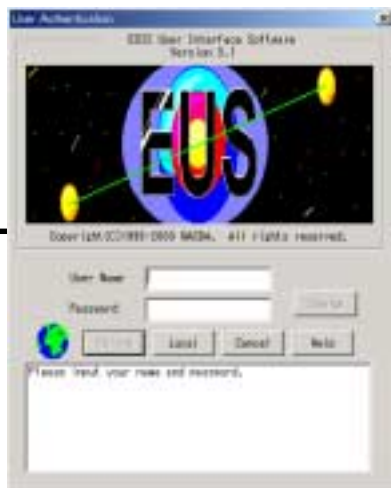**URL: http://www.eoc.nasda.go.jp/catalogue/catalogue_e.html**

EUS

-What is EUS?

- EUS is the EOIS client used to retrieve catalogue and browse data, and to order products

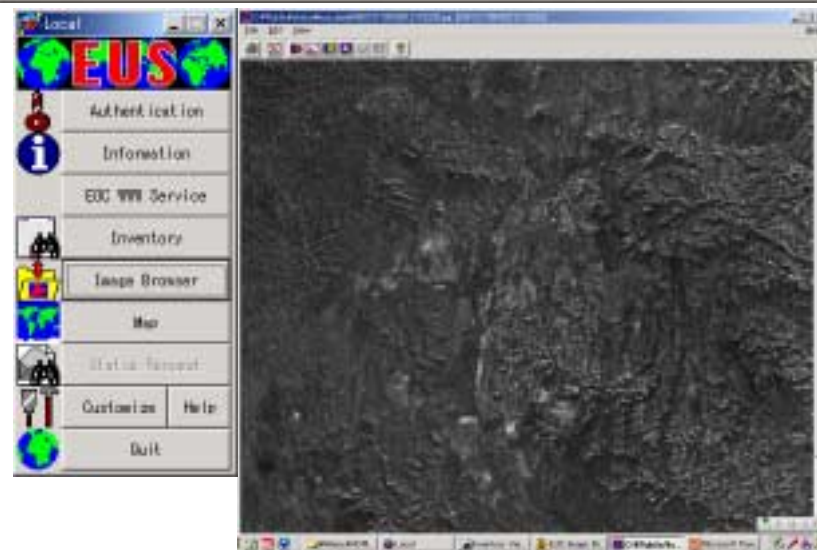- There are two types of EUS ;

    • EUS/GUI

    • EUS/WWW

Features of the EUS (1)

EUS/GUI

- Application software for Windows 95 /98 /NT4.0
  (Operation on Windows 2000 / Me are not confirmed yet)

- For PIs and designated agencies only

- User registration is necessary

How to use EUS/GUI?

What is necessary before using the EUS?

Software download

- EUS/GUI download is available from the following site;

    - URL : http://www.eoc.nasda.go.jp/~eusadmin/homepage.html
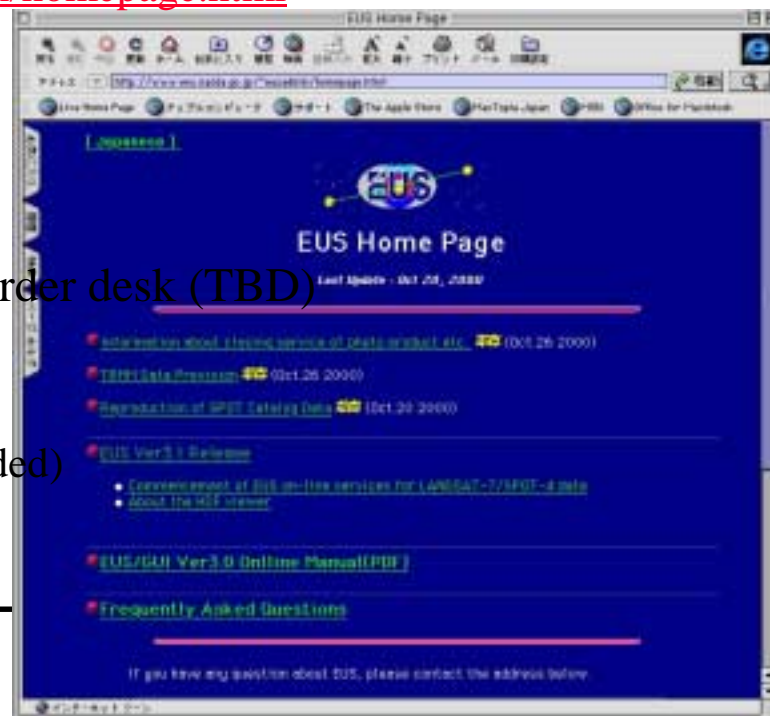
        user name : eusadmin

        password : dontaku

User registration

- Contact point for PIs will be set up at EORC order desk (TBD)

- Tentative contact point is as follows;

    e-mail : orderdesk@eorc.nasda.go.jp (recommended)

    Tel : +81-3-5561-8767 /Fax : +81-3-5561-9542
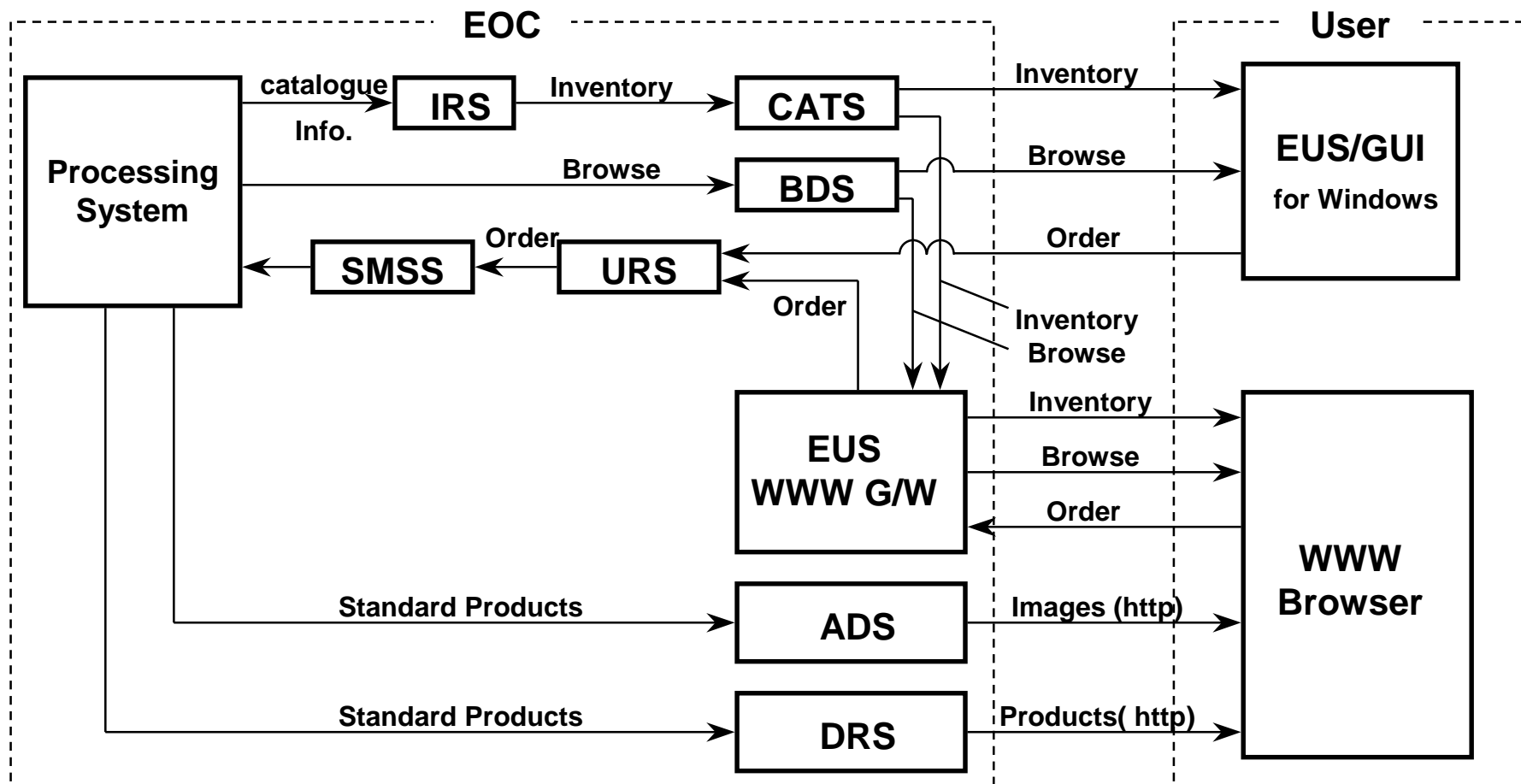
Features of the EUS (2)

EUS/WWW Gateway

- Information service available via WWW browser software

- Catalogue search is available for all users

- Ordering interface is only for PIs (user registration is necessary)

http://eus.eoc.nasda.go.jp
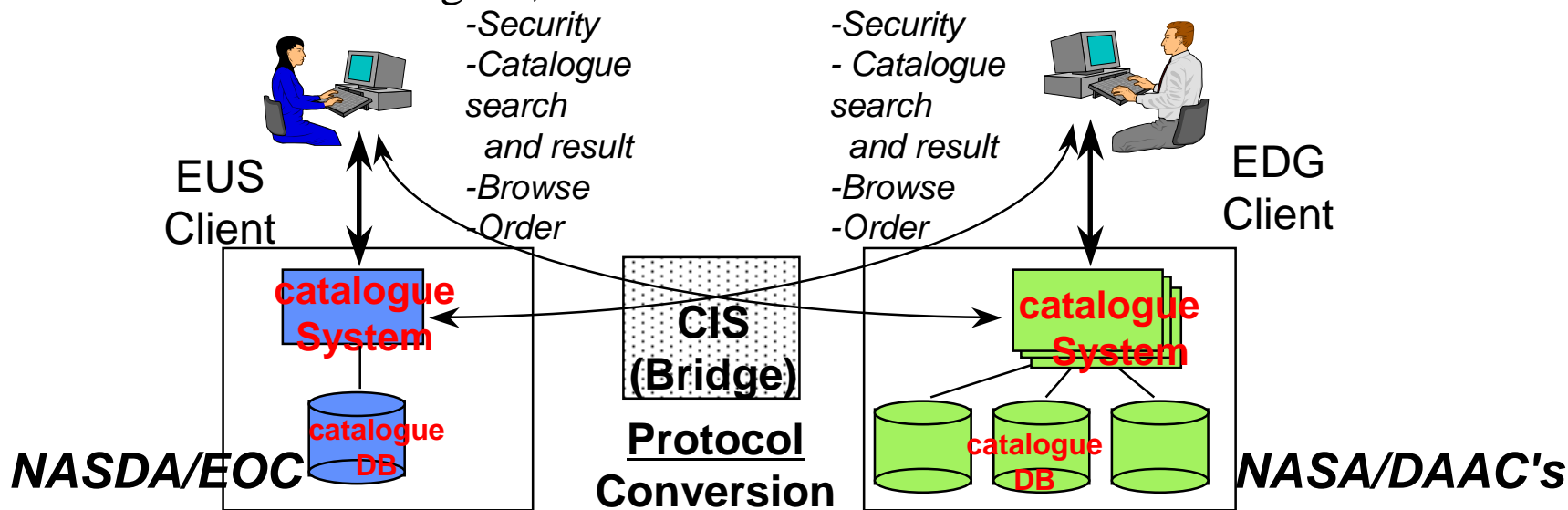
Information Services Overview

Other Information Service

Catalogue Interoperability with NASA

- NASDA and NASA will implement catalogue, browse and order interoperability for the ADEOS-II phase

- Both Japanese and U.S. PIs can search the ADEOS-II and other satellite catalogues, view browse and order data

EUS Client

-Security
-Catalogue search
 and result
-Browse
-Order

-Security
- Catalogue search
 and result
-Browse
-Order

EDG Client

catalogue System

catalogue DB

CIS (Bridge)

Protocol Conversion

catalogue System

catalogue DB

NASDA/EOC

NASA/DAAC's

2. Off-line Data Distribution

There are two methods of off-line data distribution

1. Standard product orders (Scene orders)

   - distribution of each products identified in catalogue searches

2. Standing orders

   - periodic distribution of products according to requirements submitted in advance

2. Off-line Data Distribution

2.1 Standard product orders (Scene orders)

- Products available : All standard products processed at the EOC

- Media : 8mm, CD-ROM, DLT

- Ordering : both on-line by EUS and off-line by FAX are available

- Format : NCSA-HDF
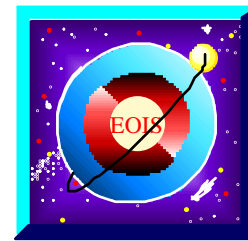
- Scene editing : will not be supported at the EOC

2. Off-line Data Distribution

2.2 Standing orders

- The following products, generated according to sensor observation plans, are available ;
    - AMSR   Level 1A , 1B , 2 , 3
    - GLI-1km Level 1A , 1B , 2A , 2 , 3 Binned , 3 STA Map
    - GLI-250m Level 1A , 1B
- Distribution frequency : TBD (ex : 4 days, 16 days, 1 month)
- Media : 8mm, DLT
- Ordering : off-line by FAX only (contact point will be EORC order desk)
- Format : NCSA-HDF
- Scene editing : will not be supported at EOC
- This service is provided only to PIs and to the EORC

3. On-line Data Distribution

There are three services in on-line data distribution

1. Exhibition of graphical images on the WWW (ADS)

2. Distribution of standard products via the internet (DRS)

3. Data transmission to designated agencies

3. On-line Data Distribution (DRS)

Standard product distribution

DRS - The most recent 6 months (or more) of the following products will be available via the internet (http)

  - All of the AMSR level 3 (daily/monthly) products
  - All of the GLI-1km level 3 STA Map products
    (except for NW, LA, K490, ST_DayNight)

- These products were chosen according to their data volume and available bandwidth

- This service will be available to all registered users, including PIs.

EUS - Designating the "on-line" option, EUS users will be able to receive all standard products via this interface (only for PIs)

http://drs.eoc.nasda.go.jp

3. On-line Data Distribution

Near real-time data transmission
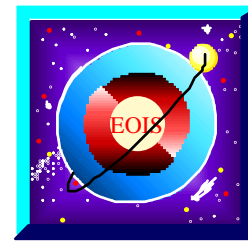
- The following data processed at the EOC will be transmitted to the listed agencies immediately

-AMSR Level 1A: JPL/PO.DAAC   -GLI-1km Level 1B   : NOAA , JMA

-AMSR Level 1B: EORC , JMA   -GLI-1km Level 2   : EORC , JMA

-AMSR Level 2 : EORC , JMA , JAFIC   -GLI-1km Level 2 Map : EORC , JMA , JAFIC

* Data transmission to the EORC

-GLI-1km level 1B data received at the EOC directly will be transmitted to the EORC until beginning the transmission to the JMA

-EORC users will be able to get other processed data according to their needs (On Demand Transmission interface)

Release timing of services

Release timing of higher level products

- The routine processing of standard higher level products (level 2 and higher) at the EOC will begin about 1 year later after the ADEOS-II launch

- The following services for higher level products from the EOC will also start at that time:

    - Browse search service via EUS (jpeg data)
    - Graphical image distribution service on the WWW (GIF data)
    - Standard product distribution service via the internet (http I/F)

Schedule of Data Distribution from the EOC

year	2001				2002				2003				2004				2005			
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
milestone	ADEOS-II Launch ◆ C/O Phase								Mission Operation Phase											
					L+3M	L+6M	L+12M													
distribution								L1 data release to algorithm developer												
								L1 data release to the public											
									Higher level products release to the public										