GEONETCast Status

• Global Coverage
  – Is provided by EUMETCast, FENGYUNCast and GEONETCast Americas;
  – Data exchange using the GEONETCast Network Centre concept is in progress;
  – Inclusion of Russia’s MITRA system is yet to be initiated at the technical level.
Global Coverage
Status of Work

- Initial Operational Capability
  - Is in place and being exploited;
  - Implementation follows the Global Design Concept, and the Implementation Plan;
  - Effort now focussed on capacity building, user engagement and integration with the GEOSS Common Infrastructure (GCI).
GEONETCast Architecture
Data Provider Engagement

- Each region working directly with its data providers;
- In addition to CMA, EUM and NOAA data, data from SERVIR, USEPA, RANET, INPE, AMESD, TAMSAT, SAWS, COMET …etc is available on GEONETCast;
- A number of EU Environment and ICT projects include use of GEONETCast – DevCoCast, AIDA, MIA-VITA, AEGOS;
- A concept for the use of GEONETCast in training and disaster alert and response applications is being developed;
- A prototyping exercise using DANTE to provide data exchange links is planned for later this year.
User Engagement

– Each region working directly with its Users;
– In Europe there are about 2350 EUMETCast stations deployed;
– In Africa, there are about 150 EUMETCast stations deployed;
– In the Asia/Pacific region, there are approx 200 FENGYUNCast stations;
– In the Americas there are about 50 stations deployed.
GEONETCast & GCI

- GEONETCast is interfaced to the GCI using the EUMETSAT EO Portal – which is …
  - A one-stop-shop EO Portal which is fully compliant with:
    - ISO Metadata Application Profile v1.0 (ISO19115/19119)
    - ISO 19139 v1.0 (XML encoding of ISO 19115/19119)
    - OGC Catalogue Services CSW 2.0.2 interface (internetworking with other catalogues)
    - INSPIRE
    - WMO core profile
    - It allows end-users to discover and access EO data

• GEONETCast and the Portal are GEOSS registered components and services;
• GEONETCast Product Navigator is delivered to all Users.
GEONETCast & GCI

- WIS, HMA, GCI: Distributed search, remote order
- EUMETSAT Archive: Discover/search products, Order/subscription products
- GEONETCast: GEONETCast Product Navigator

**EUMETSAT EO Portal**
- Discovery (Product Navigator)
- Registration
- Access to applications & data
- Order Followup

- Subscribe to services
- Register for messages
- Subscribe to services

- GEONETCast
- User Notifications (UNS)
- Other Dissemination Services

**Users**

OGC Associate Member

GEONETCast
Delivering Environmental Data to Users Worldwide
Highlights

- GEONETCast is making environmental data widely and easily available to a wide audience;
- The scope of data available on GEONETCast is being broadened significantly;
- Involvement in EU projects improves GEONETCast exposure in the environmental R&D community;
- The initial version of the GEONETCast GCI interface should be complete by the end of this year.