



GEONETCast Implementation Group



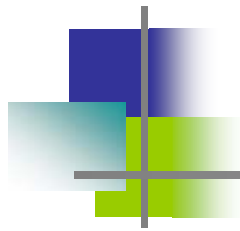
GEONETCast

Delivering Environmental Data to Users Worldwide



GEONETCast

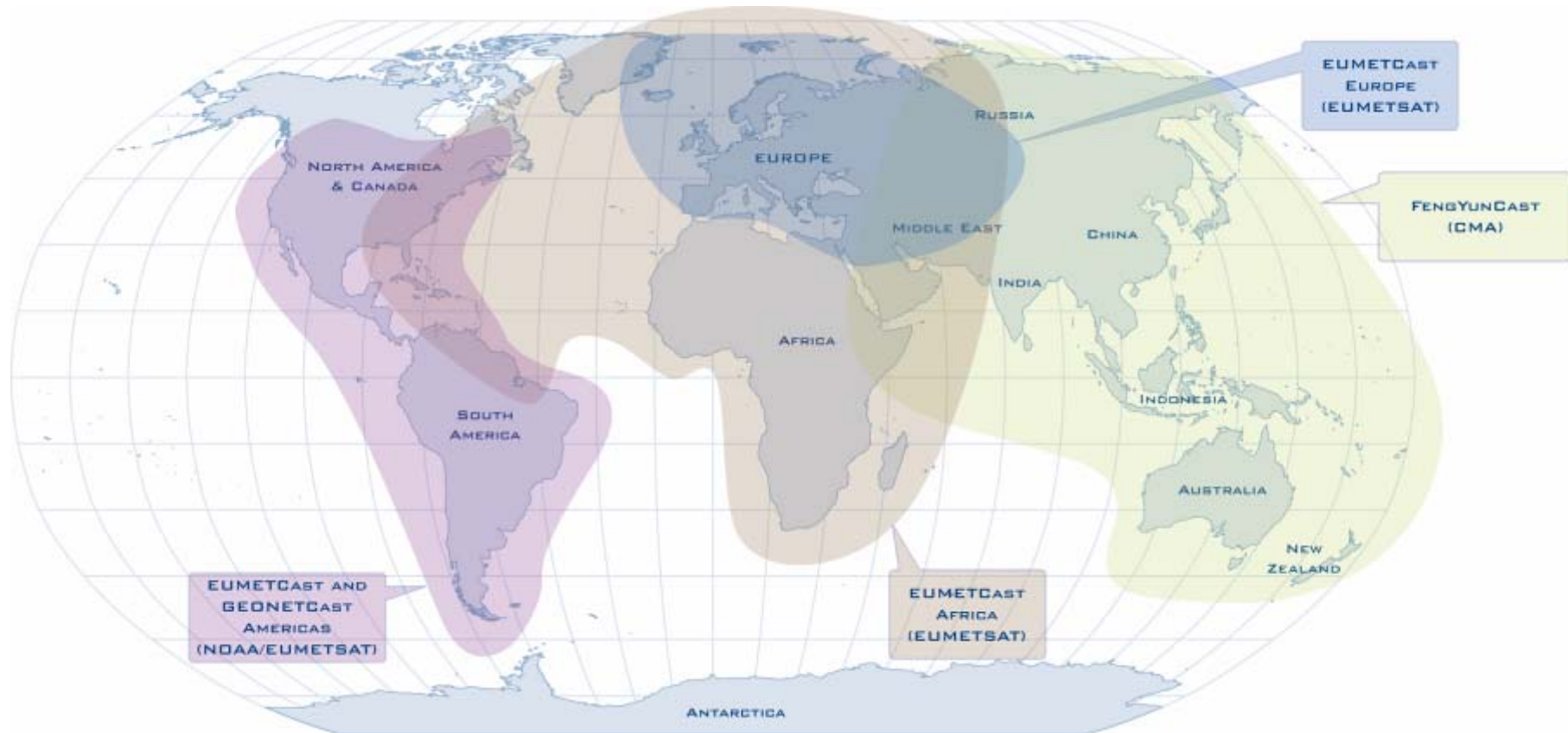
Delivering Environmental Data to Users Worldwide

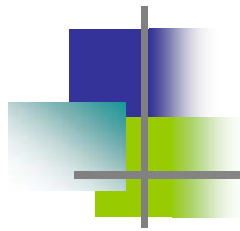


GEONETCast Status

- 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.

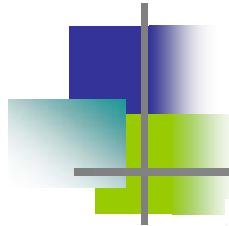
Global Coverage





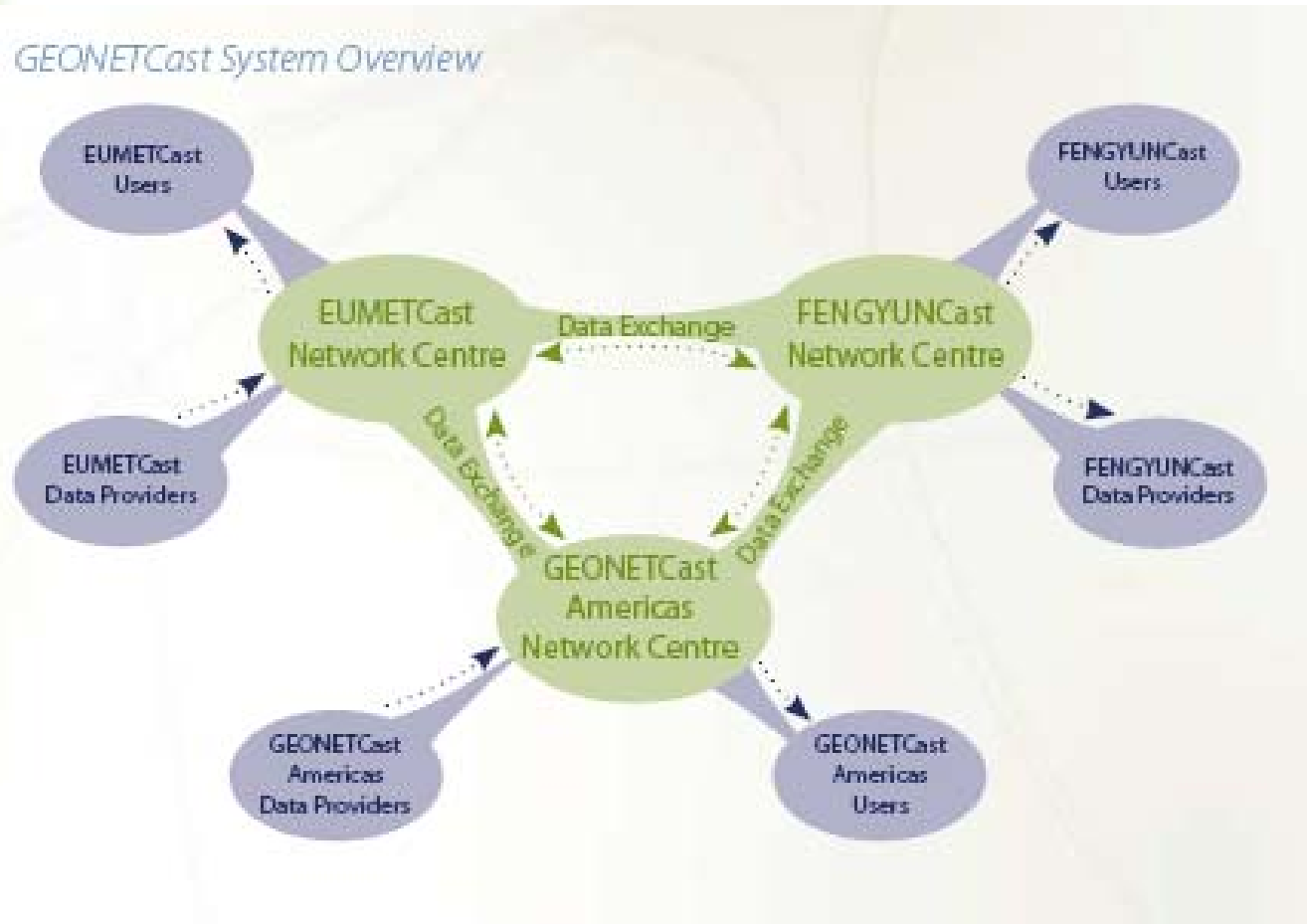
Status of Work

- 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

GEONETCast System Overview





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.



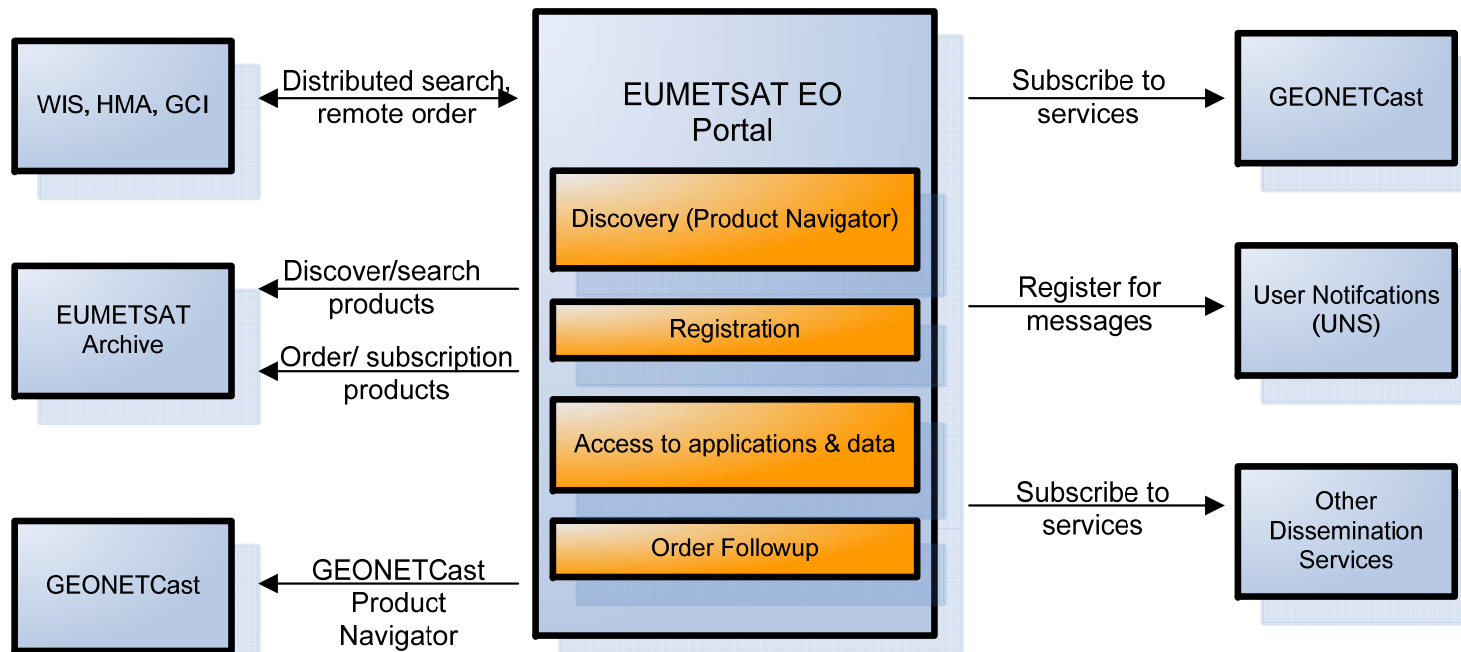
GEONETCast & GCI

- 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.



Delivering Environmental Data to Users Worldwide

GEONETCast & GCI



Discover, search, register, order and subscribe



Users





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.