

Minutes for JAXA/NASA Telecon on ECHO
Thursday, 4 August, 2005
RESTEC

Attendees:

Ken McDonald
Yonsook Enloe
Robin Pfister
Osamu Ochiai
Ben Burford

Ben explained his slides that were distributed before the telecon. The general theme/concept was “creation of a seamless, multi-interface WTF-CEOP system”. The focus was on functions in GCMD and ECHO (both data and service registry) that could be used by WTF-CEOP in creating a multi-interface system. But there was an additional emphasis on including other components such as a CEOP Ontology/Registry service, OGC servers, and “other data search systems” in the concept of GEOSS. A methodology for making the multi-interface system “seamless” was presented – to integrate client functionality for multiple systems (GCMD, ECHO, Ontology/Registry service, OGC server access, etc.) that would access the various systems through their APIs. If the client functions were integrated into WTF-CEOP (instead of having a group of stand-alone clients) then the results of accessing one system could be used in accessing another system. For example, information in collection or granule searches could include a GCMD Entry ID, that could be used to obtain a DIF from GCMD, that could include the URL to a DODS or OGC server, that could be used to access data from the server.

Part way through the slide presentation Ken asked if this meant that WTF-CEOP would have data search capabilities beyond the CEOP data. The general answer was that, yes, there was an intent to provide a wider search capability.

Yonsook explained that WGISS discussions had distinguished the meaning of search and discovery:

Discovery – finding high level data sets.

Search – distinguishing individual records (e.g. individual granules of satellite data within a dataset).

The Search function could be performed by ECHO.

There was some discussion of the questions on the last slide. The question was “Can we create collections in ECHO where some data types in the collection have no granules in ECHO?” Robin replied that the general ECHO policy was to be inventory focused, so it would be important to have some granule information for all the data types (e.g. in-situ and model

output, as well as satellite). Yonsook inquired about in-situ and model data that was already in ECHO, such as Oak Ridge in-situ data and Invasive species forecasting service model output data. Robin explained that this data was or soon will be in the system so there are existing examples of granules for both in-situ and model output data.

There was a general agreement that there was a common understanding in the telecon of the overall idea to create a seamless, multi-interface system. Robin explained that a proposal was being prepared on the idea of developing a closer relationship between ECHO and GCMD (more collaboration/interoperability). This may accomplish a lot of the functionality of a “seamless” system. However, there needs to be a method for incorporating other systems, such as other search services, in the spirit of GEOSS.

Ben asked about getting documentation on the ECHO services API. Robin agreed to have Mike Burnett provide documentation. She also suggested that getting together for more discussion during the CEOS WGISS meetings would be a good opportunity for further discussion.

Osamu explained that the functions needed for CEOP (a CEOP original client, specific to CEOP scientists) should be distinguished from larger GEOSS capabilities and functions. JAXA/RESTEC needs to continue to clarify what WTF-CEOP functions were needed, and to study the functionality of the Ontology/Registry Service. Osamu outlined various action items that would be useful. The action items are listed in a table at the end of the minutes.

There was general agreement that everyone felt they had a clear understanding of the concepts being discussed, and that this was a good opportunity for a mutual effort between JAXA and NASA.

Action item	Responsible party	Due Date
Distribute to NASA information on the CEOP metadata model written by Dr. Shibasaki/Dr. Xie.	JAXA/Ochiai	Aug. 12
Draft Phase 2 Project Plan for WTF-CEOP for next CEOS WGISS meetings	RESTEC	Aug. 19
Draft Phase 1 status of WTF-CEOP for next CEOS WGISS meetings	RESTEC	Sep. 2
Coordinate P&A session time (especially for WTF-CEOP) for next CEOS WGISS meetings	JAXA/Ochiai	Aug. 12