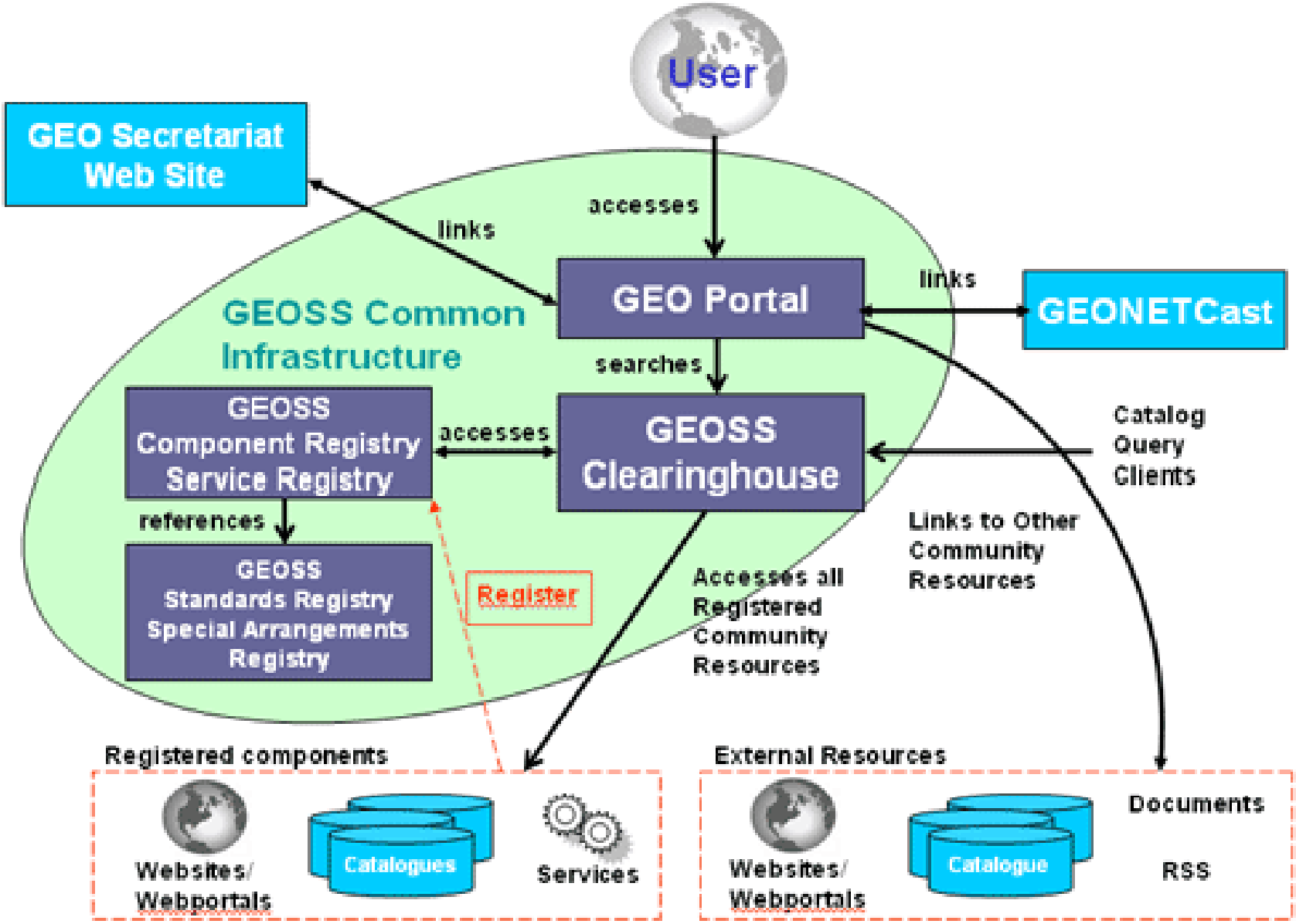
DMIT/GEO-IDE Workshop

How will this fit into the context of GEOSS/IEOS

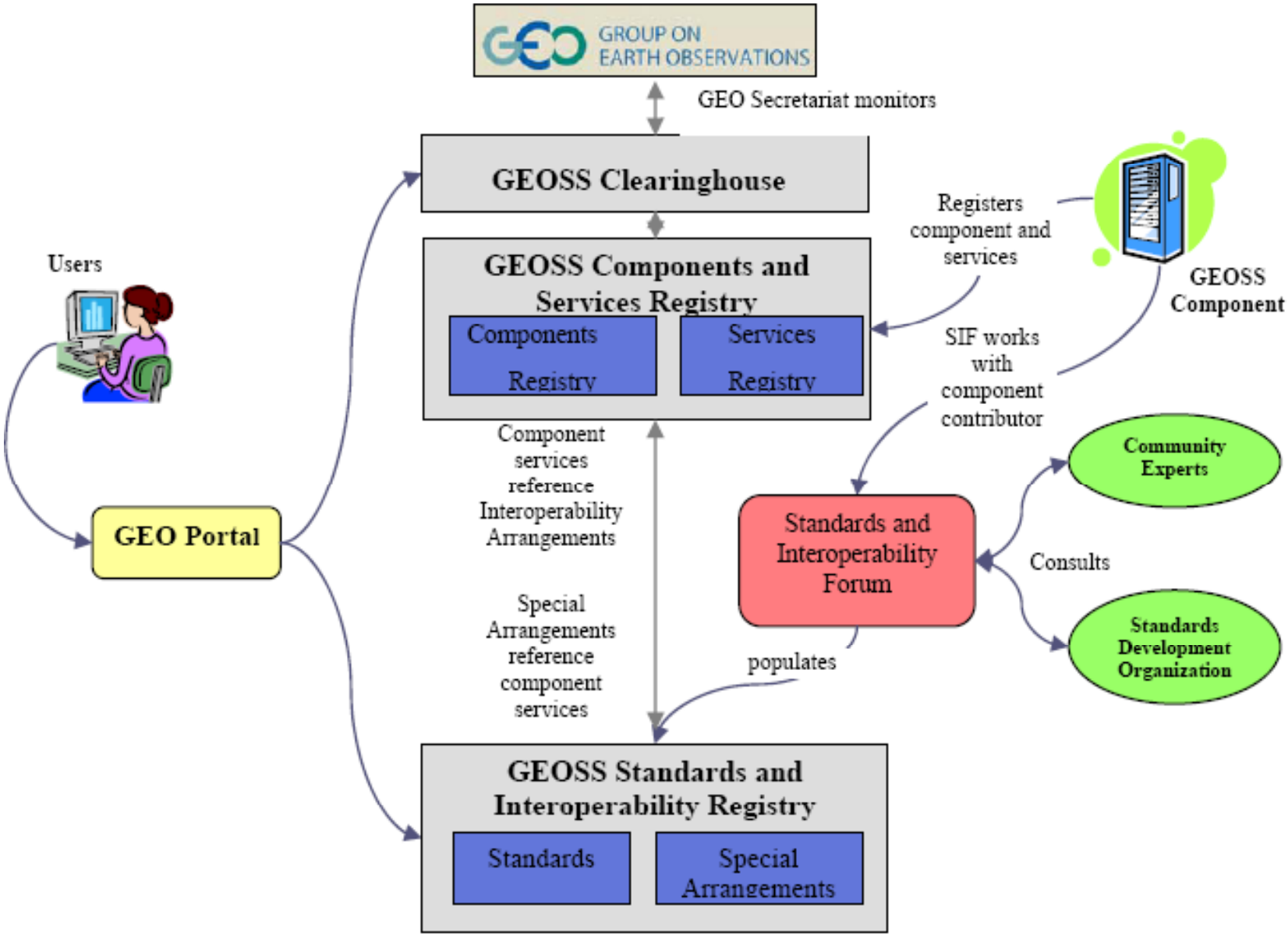
August 13 and 14, 2009

Ken McDonald

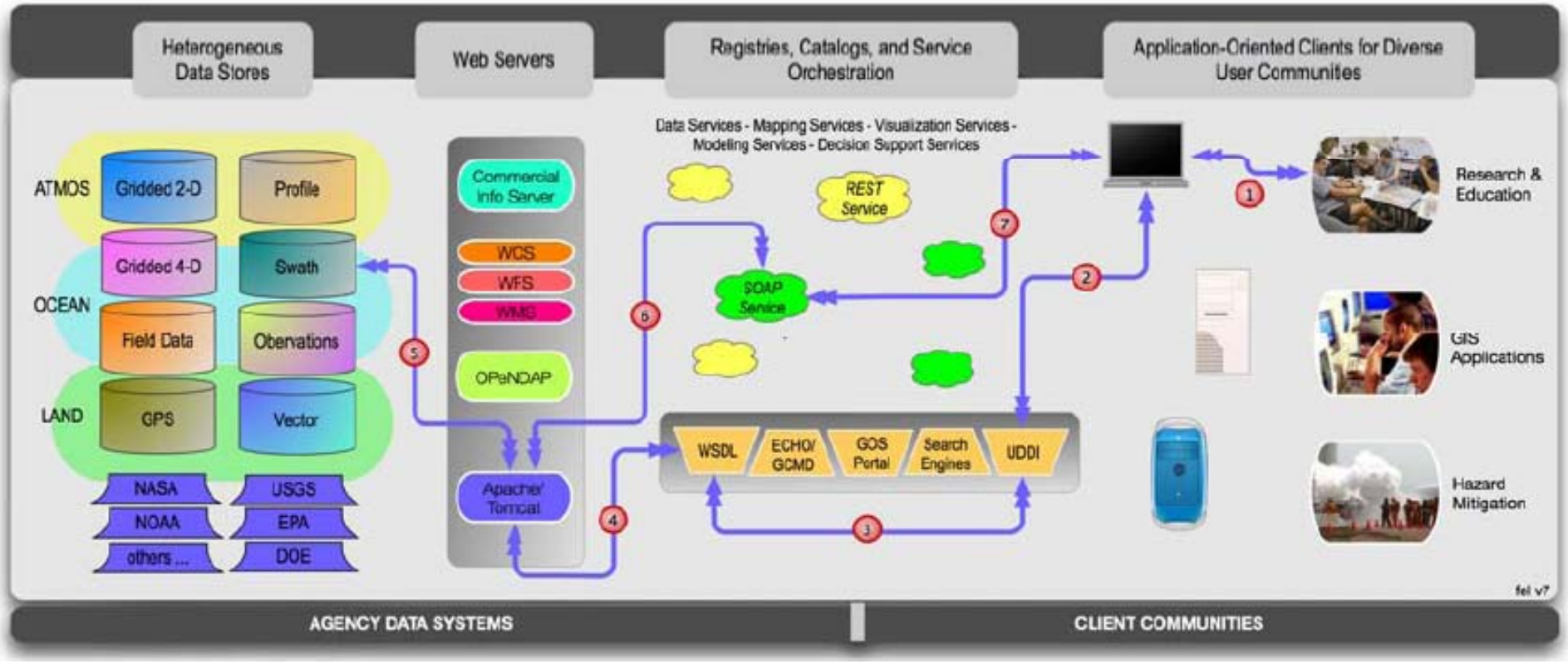
GEOSS Common Infrastructure



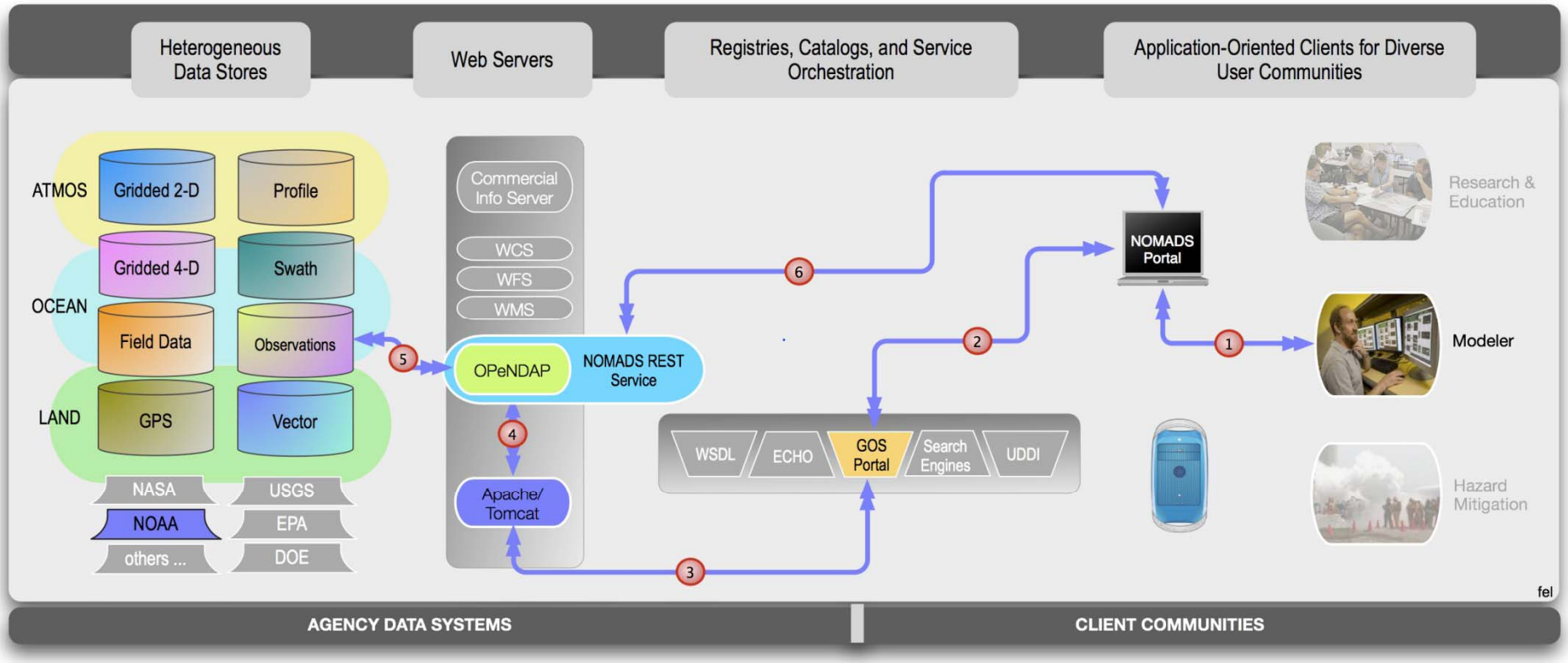
GEOSS Common Infrastructure (registration process)



USGEO Web Services Architecture



NOAA National Operational Model Archive & Distribution System (NOMADS)



1] Users request climate and weather model output via the Web.

2] The Geospatial One-Stop (GOS) is a catalog Web service that holds the location of model data.

3] Apache/Tomcat is an industry standard for using web-based services.

4 & 5] The OPeNDAP Web Service resides within the NOMADS server and receives and fulfills requests. OPeNDAP Web service allows the representation of the data file to be encapsulated in the user selected format.

6] The SOA "REST" Service. The users receives the information and data requested.