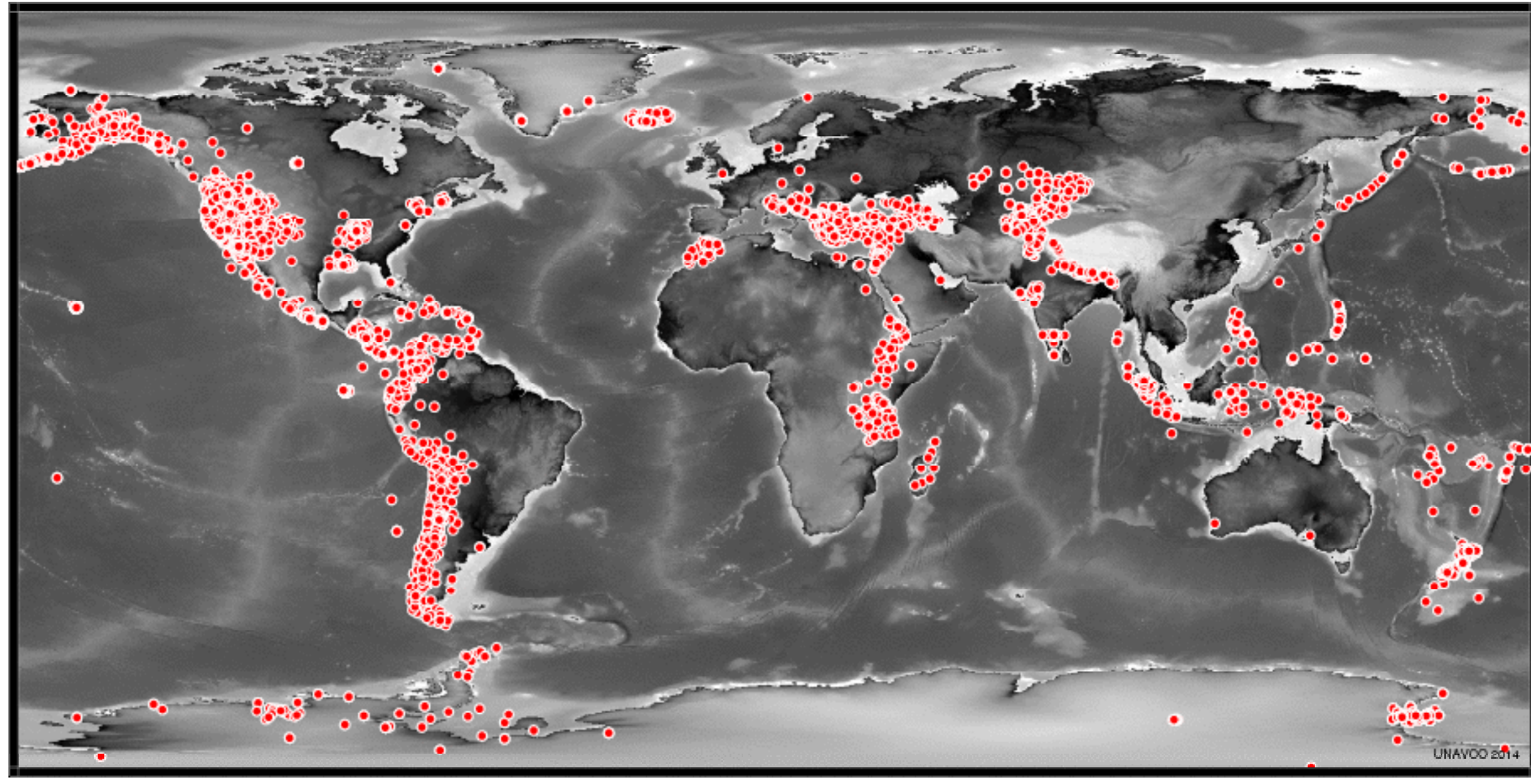
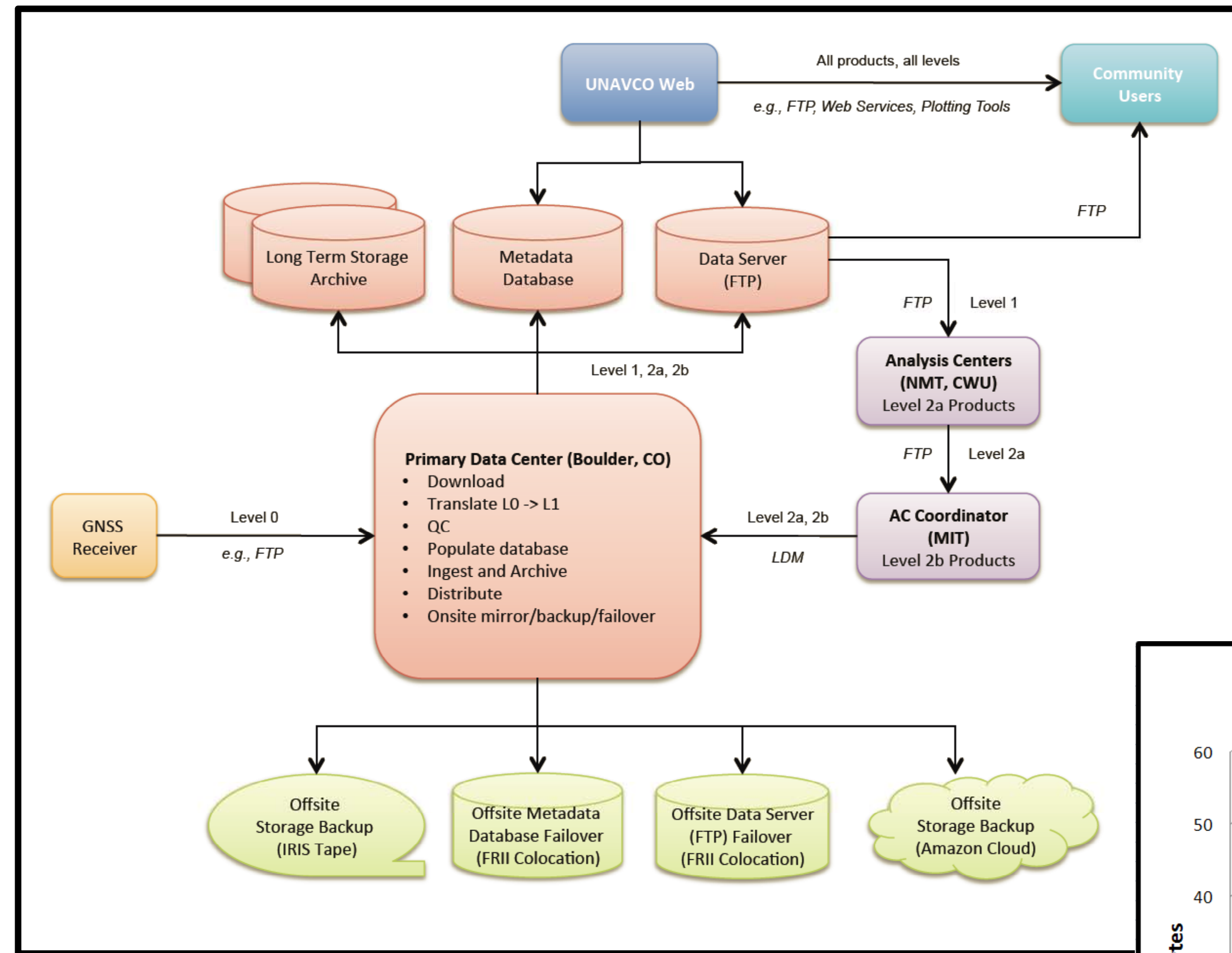


Over 3000 permanent stations with archived data.



9,000 campaign sites with archived data.

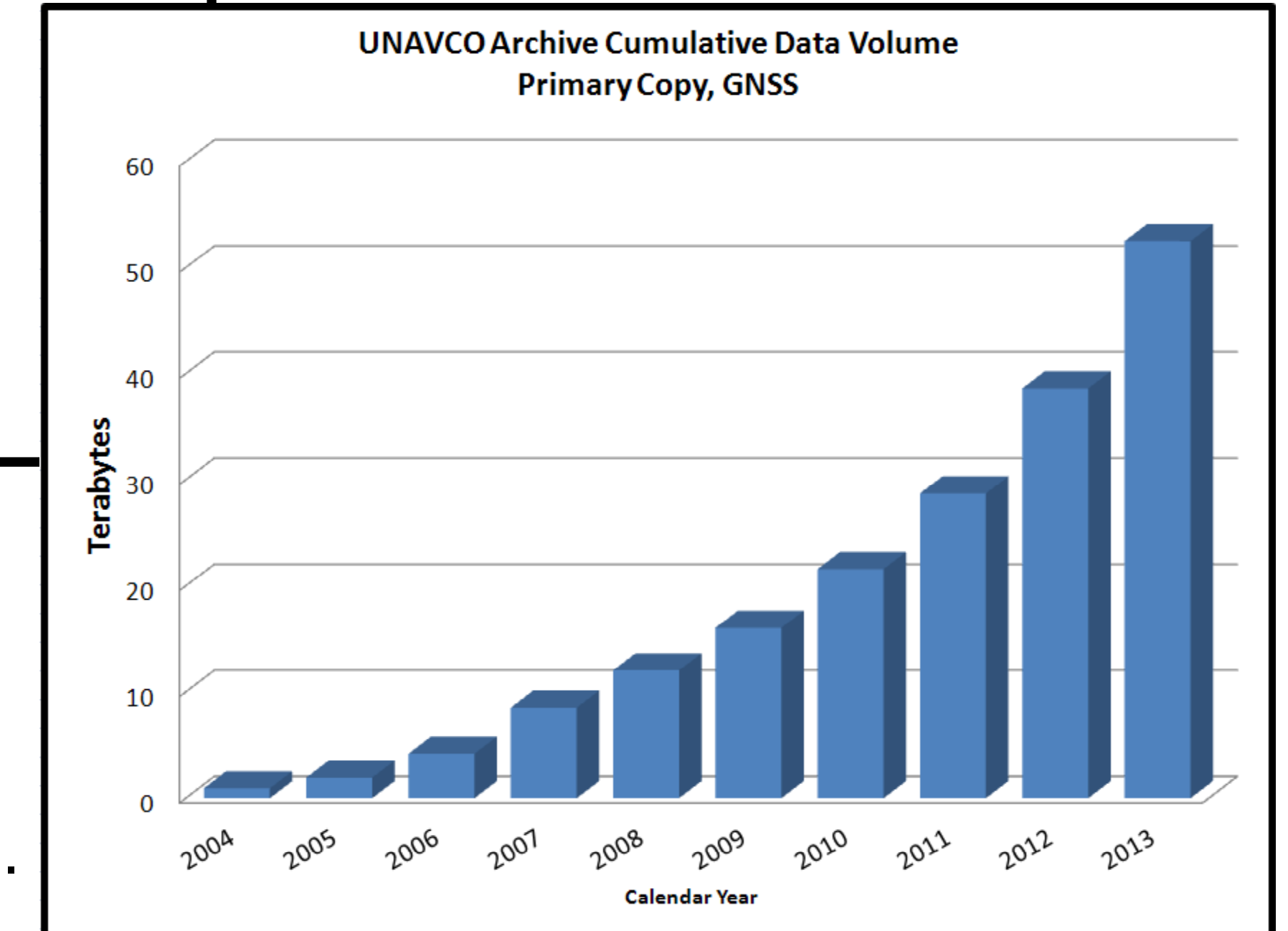
UNAVCO Data Center GPS/GNSS Archive



Dataflow schematic showing flow of Level 0, 1, and 2 GPS/GNSS data and products.

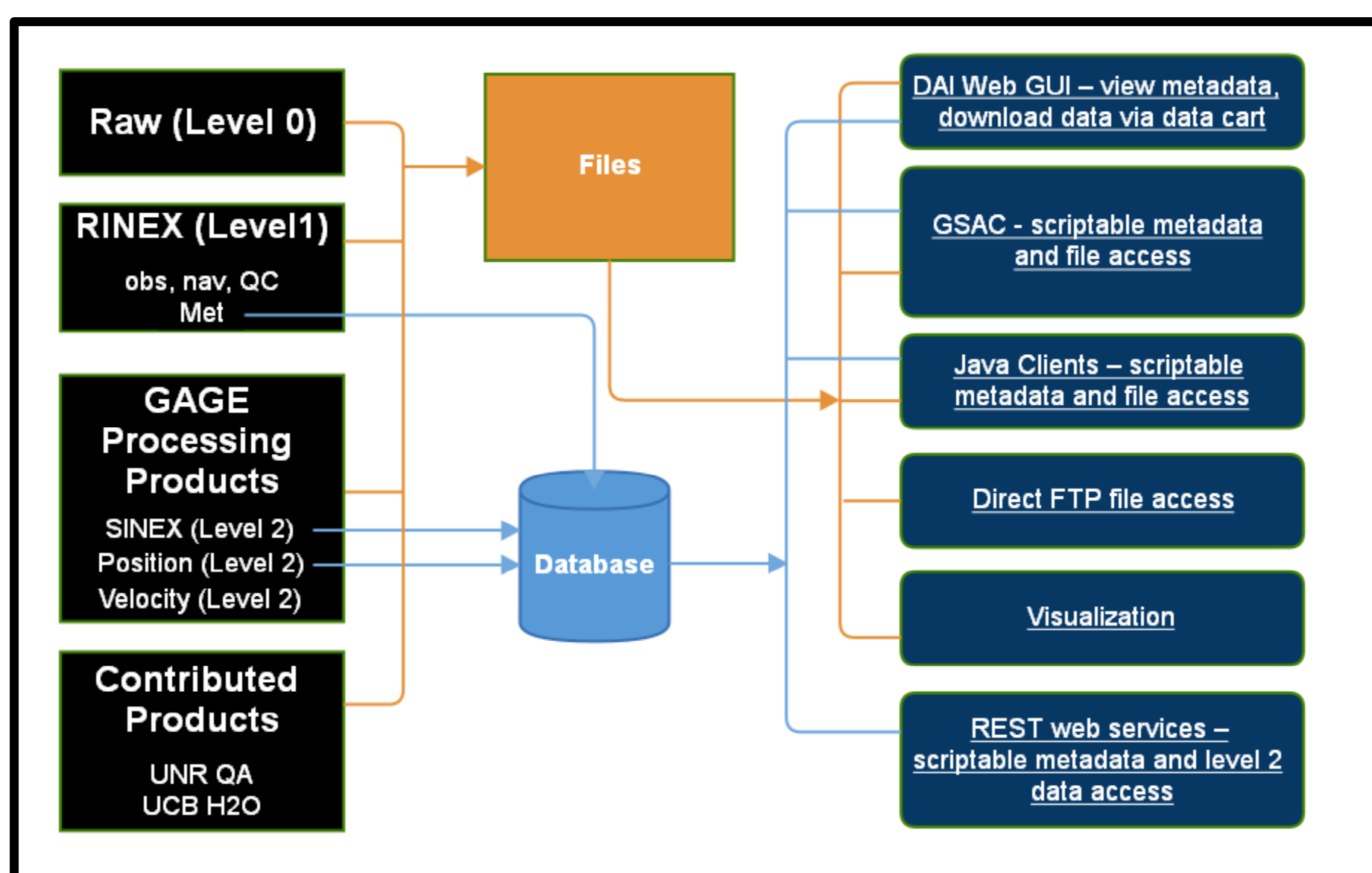


- Modern server room
- SAN storage
- Virtualization
- Internet-2
- Offsite Colocation of critical services
- Cloud backups

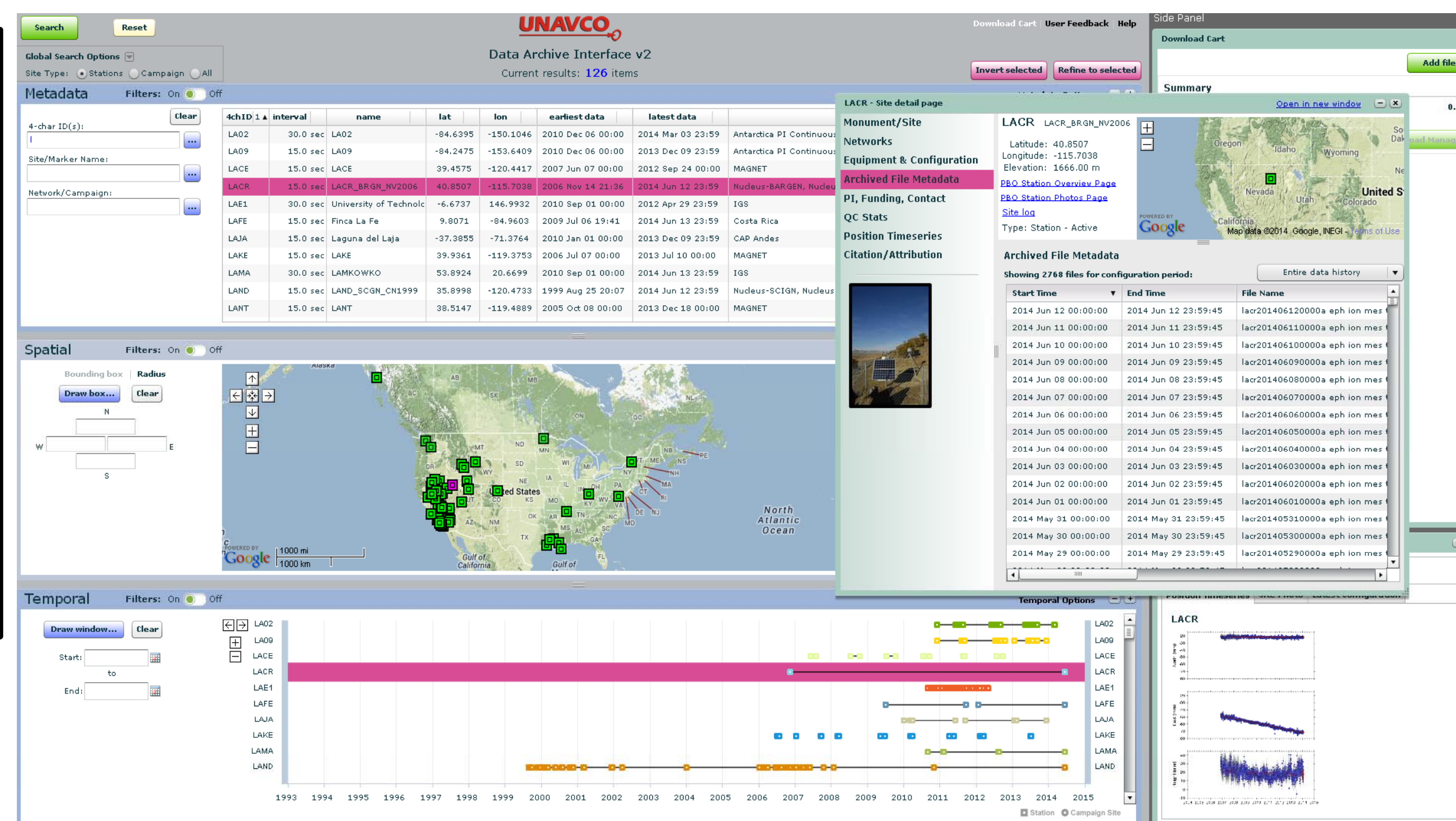


Growth in volume for data/products archived.

Accessing GPS/GNSS Data and Metadata at UNAVCO



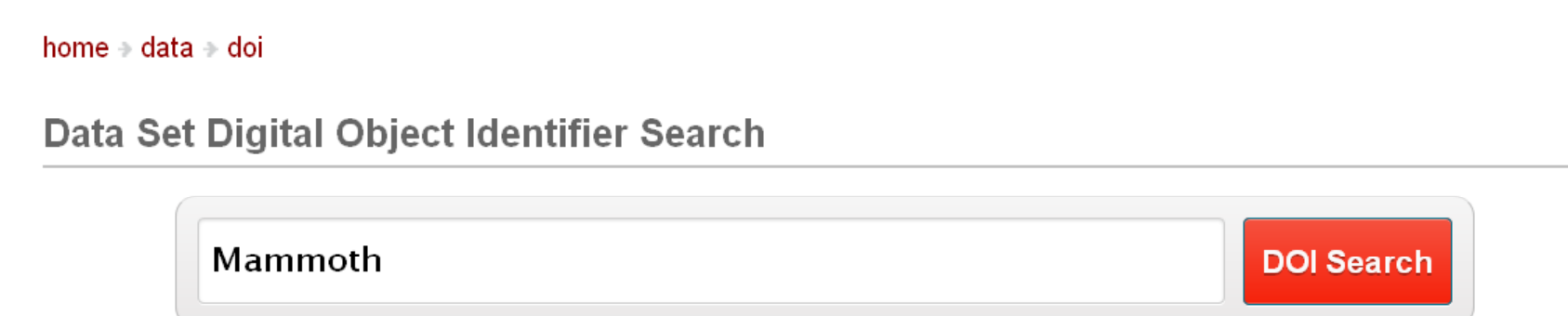
Web-based GUI, REST web services, scriptable client tools, direct FTP access.



Data Archive Interface: web GUI for search, view metadata, download data.

Attribution Using Data Set Digital Object Identifiers

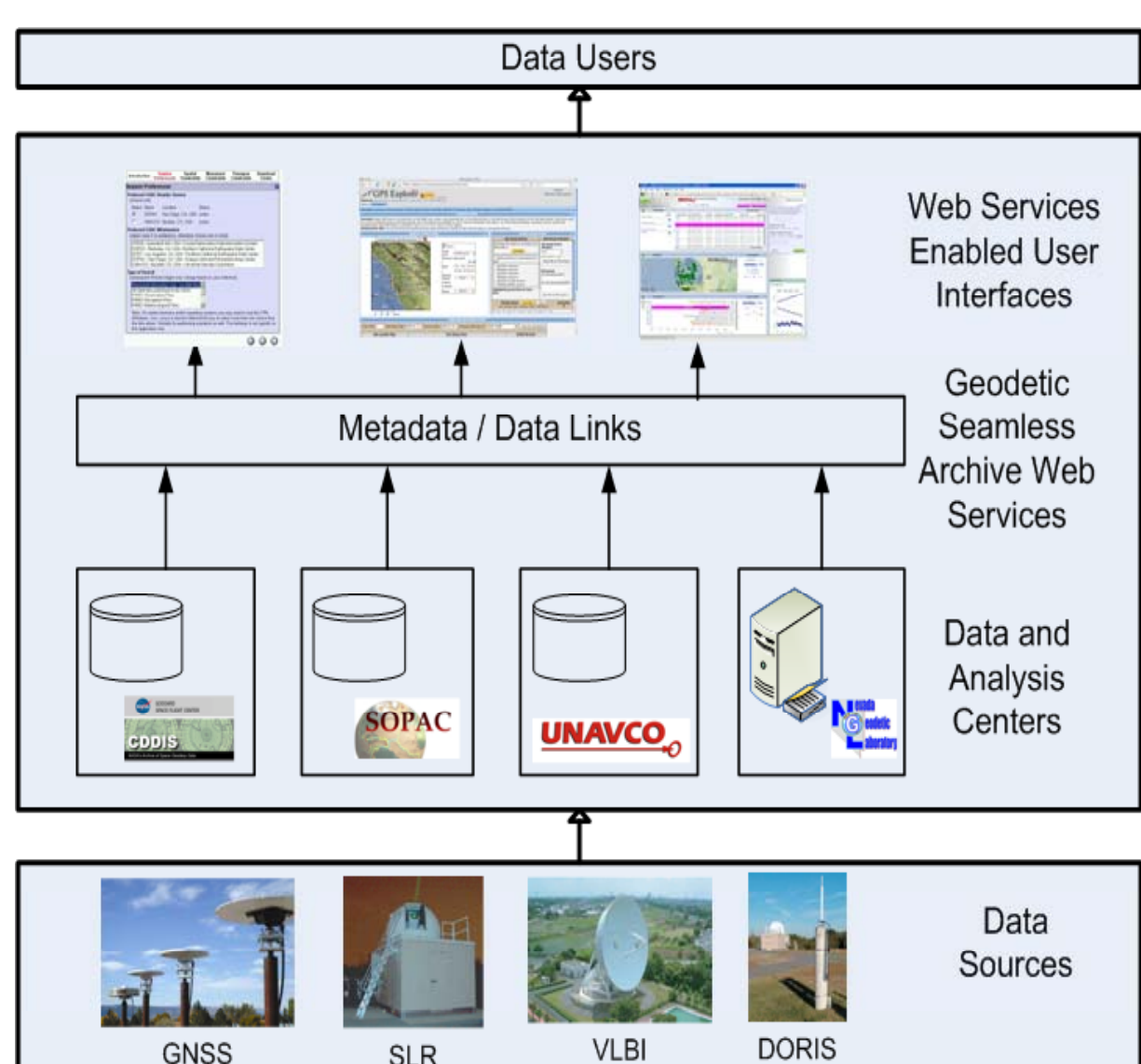
UNAVCO is publishing DOIs for data sets (campaign and station).



- Found 5 Results
- Mammoth/Mojave 1994: Mammoth**
Citation: Miller, M., Meghan, Golombek, Matthew P., Dokka, Roy K., 1997. Mammoth/Mojave 1994: Mammoth. UNAVCO. GPS Data Set. doi:10.7283/75D798B5
 - Mammoth/Mojave 1994: Combined Sites**
Citation: Miller, M., Meghan, Golombek, Matthew P., Dokka, Roy K., 1997. Mammoth/Mojave 1994: Combined Sites. UNAVCO. GPS Data Set. doi:10.7283/75M230H2
 - Mammoth/Mojave 1994: Mojave**
Citation: Miller, M., Meghan, Golombek, Matthew P., Dokka, Roy K., 1997. Mammoth/Mojave 1994: Mojave. UNAVCO. GPS Data Set. doi:10.7283/75M230H2
 - Mammoth 1995**
Citation: Miller, M., Meghan, Golombek, Matthew P., Dokka, Roy K., Webb, Frank H., 1995. Mammoth 1995. UNAVCO. GPS Data Set. doi:10.7283/75M230H2
 - Mammoth/Mojave 1994**
Aggregation of Multiple Data Sets
Citation: Miller, M., Meghan, Golombek, Matthew P., Dokka, Roy K., 1997. Mammoth/Mojave 1994. UNAVCO. GPS Data Set. doi:10.7283/75H11G5H

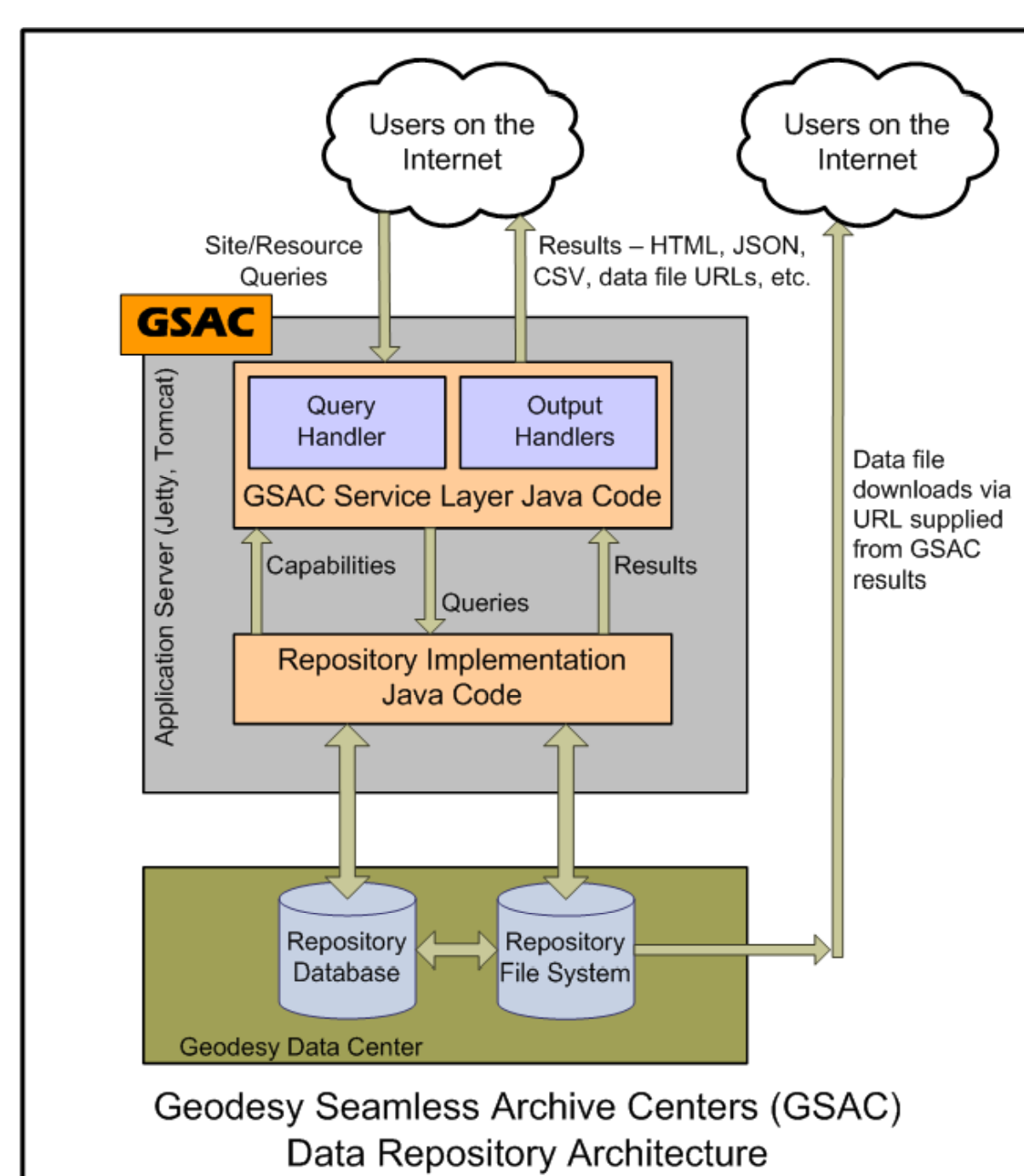
<http://www.unavco.org/data/doi/search>

Geodesy Seamless Archive Centers GSAC-Web Services Enabled Data Access

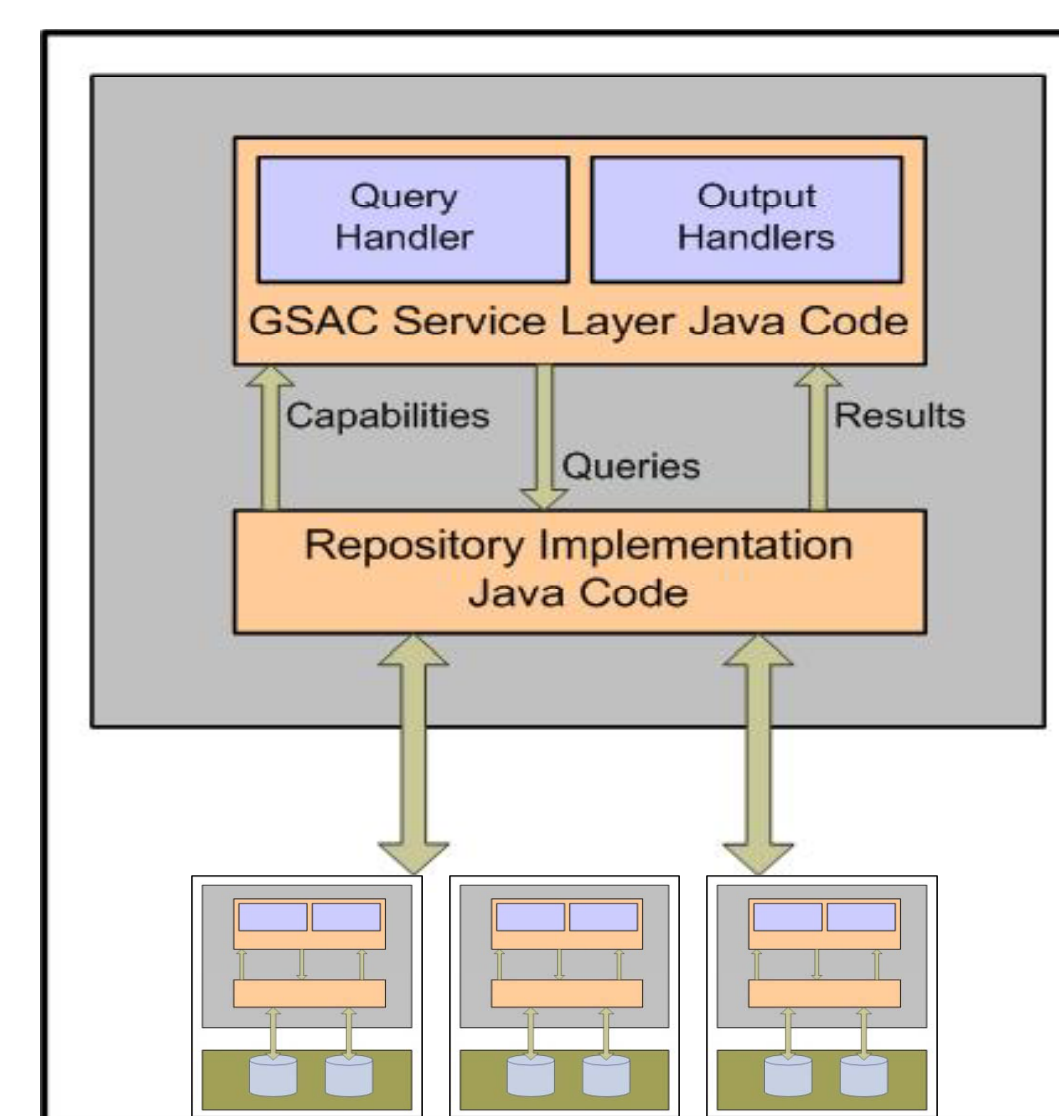


GSAC-WS was developed in 2010-2013 with NASA ACCESS funding to UNAVCO, SOPAC, CDDIS and UNR.

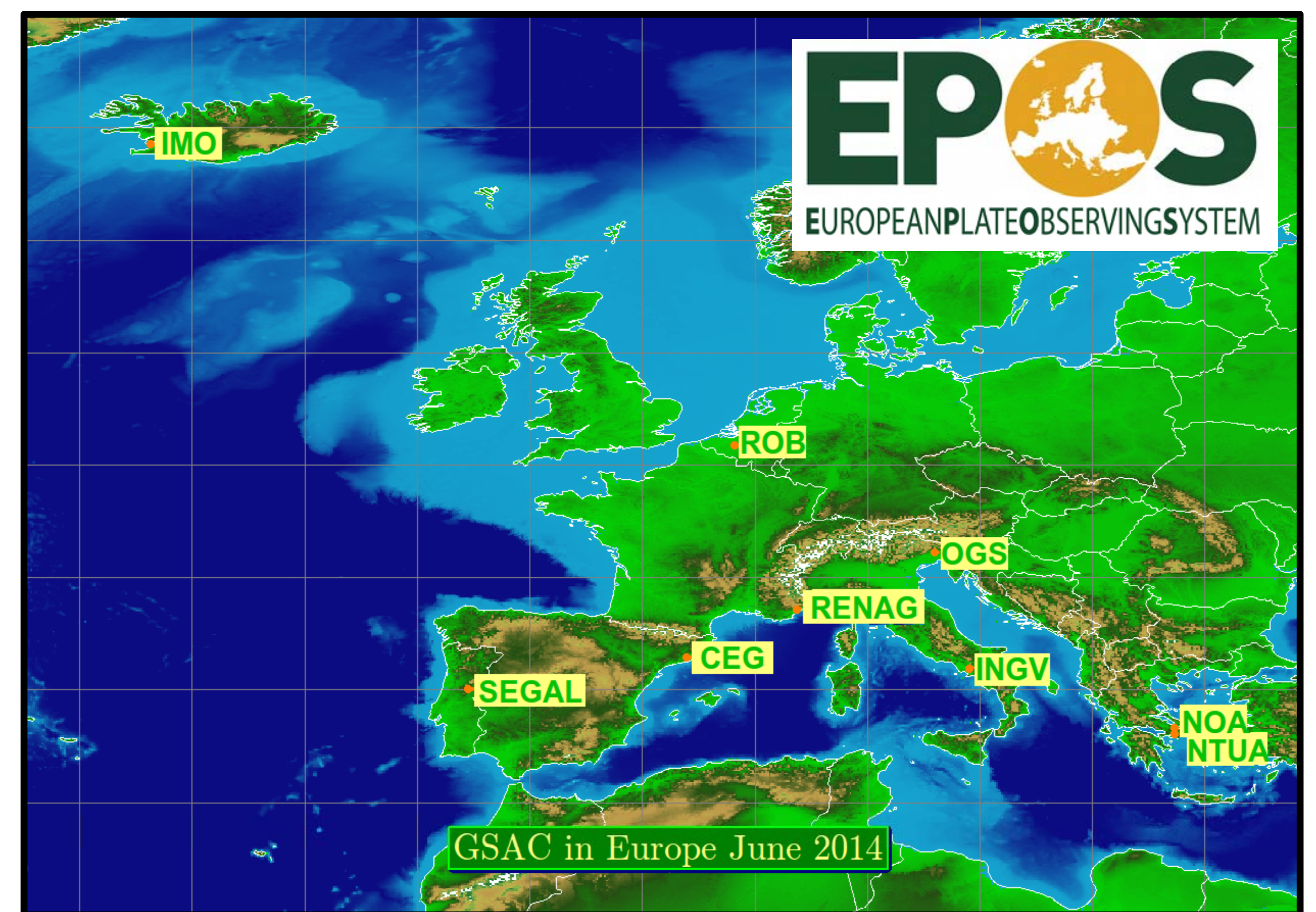
GSAC-WS Software can be installed at a data center with minimal implementation effort.



A federation of GSACs utilizes the same GSAC code to build a federated search capability.



GSAC web services can be used to monitor data file flow and metadata changes.



Several data centers in Europe are trying out GSAC under the auspices of the European Plate Observing System (EPOS).