GNSS data sharing pilot

Telecon 17 April 2012,

Attendees: Nicola d'Agostino, Rui Manuel da Silva Fernandes, Fran Boler, Massimo Cocco, Falk Amelung

Summarized by Falk Amelung and Fran Boler

Vision.
Massimo Cocco emphasized that the pilot is part of a global vision for the sharing of geophysical data (GNSS, InSAR and Seismic). This is a high priority for European and U.S. science foundations. Funding is or will be available through the COOPEUS program.

Implementation of pilot and existing software
We had a (too) short discussion about available technologies.   Nothing else than Unavco's system was mentioned.
Fran Boler summarized Unavco's GSACWS system (federated repository). Current participants are: UNAVCO, CDDIS (NASA), SOPAC (UCSD Scripps Institution for Oceanography).

Implementation at INGV and EUREF
INGV's 30 station RING network is ready to participate. Unfortunately there is no personal available to work on this.   We need to conduct a Gap analysis to see what is needed before GSACWS can be installed. Similar for EUREF.   The   technical issues to resolved will be summarized in a document (e.g. appendix of original document). (**Action: Nicola, Fran, Rui**)

Once this document exists, Fran may be able to visit Europe together with an Unavco engineer to help with the implementation.

Milestones.
1. ESA's Santorini meeting May 20 2012. A document describing the planned implementation will be completed for presentation at this meeting. At this meeting we also expect a document from the Space Agencies (CEOS) on how to better support the Geohazard Supersites.

2. We will follow COOPEUS milestones but they are not very clear. Milestones will be defined by the time of the Santorini meeting (**Action: Fran, Massimo**)

Others:
1. Access point and GCI.   The access point will not be an Unavco website. Something

new has to be developed, to be discussed at a later stage.   It needs to look like a GEO website.

All data should be visible in the GEOSS common infrastructure (GCI).   It is currently not clear how to do this but this can be addressed at a later stage. We need to identify a GCI expert (**Action: Falk**).

2. Science Cloud.   Falk mentioned the opportunity for GPS processing on Europe's new Science Cloud (Helix Nebula). When it goes online (July 2012?) a group should be formed to develop GPS processing applications: Information is at: http://www.esa.int/esaCP/SEM5725Y1ZG_index_0.html