

# **EarthChem Workshops 2006**

## **In conjunction with the GERM 2006 meeting in NYC**

### **“Geoinformatics for Geochemistry”**

*May 28, 2006; 8am - 1pm*

*New York City, Columbia University Morningside Campus (room tbd)*

This half-day workshop will provide participants with the opportunity to contribute to the design of the EarthChem system, and help prioritize the compilation of new data sets to be included in the data holdings.

The major topics of this workshop will be:

- Functionality of the EarthChem Portal, e.g.
  - Query tools on basic and advanced interfaces
  - Output formats
  - Visualization tools
  - Map interfaces
- Geochemical Data and Documentation
  - Vocabularies
  - Metadata
  - Unique sample identification
  - Minimum requirements for publications
  - Minimum requirements for data submission at EarthChem
  - “The Digital Lab Book” (MyEarthChem)
- Prioritization of new data sets

### **“Xenoliths & GeoFrame: Supporting New Science with Advanced Data and Sample Management”**

*May 28, 2006; 3pm – 5:30 pm*

*New York City, Columbia University Morningside Campus (room tbd)*

The goal of this mini-workshop is to define the need and specifications for a database for xenoliths, discuss needs and options for management and archiving of xenoliths samples, and science initiatives for xenoliths studies as integrated GeoFrame-USArray-EarthScope efforts. A potential outcome of the discussions could be the request for a larger/longer workshop to address xenoliths studies as part of GeoFrame and requirements for data and sample infrastructure.

In preparation for this workshop, we are in the process of entering a limited amount of xenoliths data into PetDB, so we will be able to demonstrate at the workshop the potentials of an integrated online xenoliths database, and discuss the specific needs for xenoliths data that currently cannot be accommodated in the igneous rock databases.

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