

## Workshop Announcement

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### LINKING INFORMATION SYSTEMS IN MARINE AND TERRESTRIAL GEOSCIENCES *Sediment Geochemistry*

We invite your participation in the workshop "Linking Information Systems in Marine and Terrestrial Geosciences; Sediment Geochemistry" to be held June 3 and 4, 2004 at the offices of the Joint Oceanographic Institutions JOI in Washington, DC.

The workshop will bring together scientists who apply geochemical data of continental and marine sediments to various fields of research from the chemical evolution of the Earth's crust and mantle to paleoclimate reconstruction, representatives of ongoing projects that manage sediment and geochemical data, and information technology experts in data management, interoperability, and visualization tool development. We expect about 30 participants.

We will be seeking support for this workshop and anticipate that it will be possible to cover all (reasonable) expenses associated with your participation. Accommodation and travel details will follow in future announcements to be posted on the EarthChem web site at <http://www.earthchem.org>.

Offered below is a preliminary agenda. Comments and additions are welcome. At the end of the workshop, we hope to agree on a set of recommendations that will be incorporated in a workshop report that we plan to publish, integrated with results from a parallel CHRONOS workshop on Geochemical Cycles to be held in June 2004.

For further information, contact Kerstin Lehnert ([lehnert@ldeo.columbia.edu](mailto:lehnert@ldeo.columbia.edu)) or Steven Goldstein ([steveg@ldeo.columbia.edu](mailto:steveg@ldeo.columbia.edu)).

#### *Preliminary Agenda*

##### June 3, morning:

- (1) Presentation: An Integrated Sediment Information System: The 'Vision'
- (2) Presentations about existing and emerging data management projects (EarthChem, CHRONOS, PaleoStrat, JANUS, IODP data management, ISES-CI, else?)

##### June 3, afternoon:

Working Groups (1) Approaches and needs for data systems and their integration: The Global Mass Balance and Fluxes community, (2) Approaches and needs for data systems and their integration: The Paleoclimate community, (3) Opportunities and requirements for linking marine and terrestrial data systems: The IT perspective.

##### June 4, morning

- (1) Presentations by IT experts on interoperability, and tool development (GIS, visualization, map tools);
- (2) Presentation about data publication policies by an editor-in-chief of a major geochemistry journal and NSF;
- (3) Working Groups: a. Basic and advanced needs for data interpretation: maps, visualization, modeling interfaces; b. System design and implementation.

##### June 4, afternoon:

Workshop summary and synthesis. Action plan. The workshop will be finished by 3 pm.