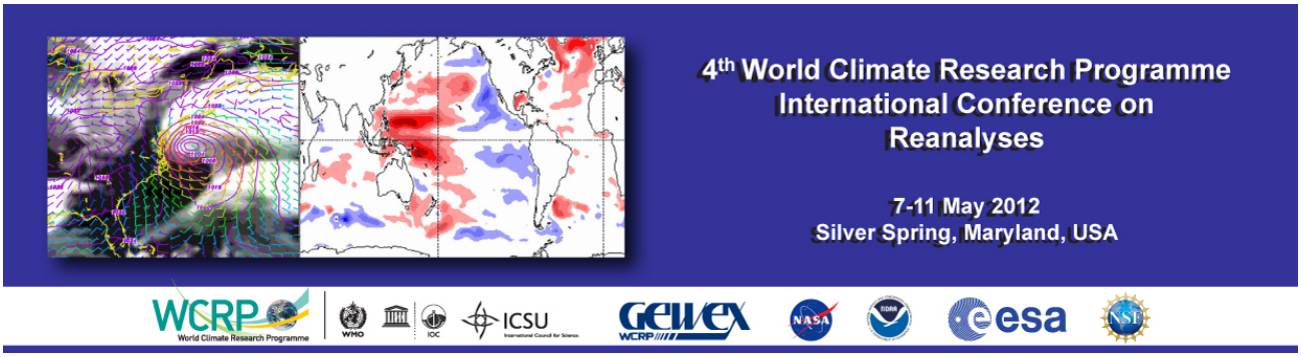

CALL FOR ABSTRACTS

Fourth World Climate Research Programme International Conference on Reanalyses (ICR4)

7-11 May 2012
Silver Spring, Maryland, USA

http://icr4.org/index.html

The Conference will provide an opportunity for the global community to review and discuss the major observations and modeling research associated with reanalyses, including the current uncertainties, such as consistency of the time series, and the complexity of Earth system. Characterizing the uncertainty and quality of reanalyses is a task that reaches far beyond the international community of developing institutions, and into the interdisciplinary research community, especially those using the reanalyses products in their research and applications.

Conference Objectives:

- Sharing understanding of the major challenges facing reanalyses: the changing observing system and the integrated Earth system.
- Assessing the state of the disciplinary atmospheric, ocean and land reanalyses, including the needs of the research community for weather, ocean, hydrology and climate reanalyses.
- Reviewing the new developments in reanalyses, models and observations.

Call for Abstracts:
Abstracts covering work on the following themes are requested.

1. **Status and Plans**: Major international reanalysis development, including broad disciplinary overviews (e.g., atmosphere, oceans, hydrology, cryosphere).
2. **Validation and Metrics**: Intercomparison and validation studies; assessing the impact of the assimilation and analysis increments; innovative diagnostics that characterize uncertainty and the degree to which a reanalysis represents reality and ultimately applicability for weather and climate research.
3. **Data Assimilation**: Data assimilation techniques and impact on eventual reanalysis data products, especially producing a climate quality time series.
4. **Space and In Situ Observations**: Studies on the quality and stewardship of observations and their use in reanalyses and exploiting new data types and sources.
5. **Application in Support of Climate, Weather and Environmental Services**: Innovative research using reanalysis to study the weather, ocean, hydrology and climate, including operational climate monitoring, uncertainty, study of extremes and high impact weather, climate assessment and end-to-end decision making studies.

Deadline for Abstracts: 6 January 2012