



## SECOND NOTICE AND CALL FOR PAPERS

# MARCDAT-III

## **Third International Workshop on Advances in the Use of Historical Marine Climate Data**

**FRASCATI, ITALY**

**2-6 May 2011**

The *Third International Workshop on Advances in the Use of Historical Marine Climate Data* (MARCDAT-III) will be held at [ESRIN](#), known as the European Space Agency ([ESA](#)) Center for Earth Observation, in Frascati, Italy (a small town 20km south of Rome), from 2-6 May 2011. This workshop follows international marine workshops in Canada (1999), USA (2002), Belgium (2003), UK (2005) and Poland (2008) where MARCDAT alternates with more formal JCOMM *Workshops on Advances in Marine Climatology* (CLIMAR). These workshops have brought together a wide spectrum of marine data users, and managers of marine data and products, and have included an underlying focus on the continuing evaluation, utilization, and improvement of the International Comprehensive Ocean-Atmosphere Data Set ([ICOADS](#)).

The workshop will showcase and build on recent advances in marine climatology:

- Evaluation, utilization and improvement of the over 300-year record of ICOADS (e.g. using satellite data)
- Development of multi-decadal, homogeneous gridded datasets for climate applications
- Characterization of uncertainty and bias in marine observations and products

With the objective of recommending a 10-year action plan for improved integration and accessibility of climatological observations.

Within this general context three themes have been identified for this particular meeting, and papers dealing with research related to these will be given particular consideration:

1. Improving integration and promoting joint analysis of remotely sensed and *in situ* data, in the context of the [GCOS](#) and [CEOS](#) Essential Climate Variable (ECV) framework, and [ESA Climate Change Initiative](#)
2. Improving the data management, accessibility, traceability, homogenization, and analysis of marine surface variables as part of the development of long-term global surface data sets—with reference to cross-cutting issues in land-based research
3. Initiatives seeking to capitalize on available advances in resolving data homogeneities and uncertainties, and in quality control—by making bias-adjusted and better characterized data (and metadata) available directly to researchers

Papers are also welcomed on other research and operational aspects of marine data processing and usage, including wave summaries, historical data rescue priorities, climate observing system adequacy assessments, dataset intercomparisons, and the construction of marine climate indices.

The program will consist of plenary presentations and discussions, and poster sessions. There will be invited keynote presentations and plenary discussions are anticipated on each of the meeting themes. The extended deadline for receipt of abstracts (or their revision) for consideration as oral or poster presentations is 30 November 2010. Further information on the required method for abstract submission, along with more detailed information on the meeting and logistics, will be available via the workshop website: <http://icoads.noaa.gov/marcdat3/>.

For further information or to be added to the workshop mailing list to receive further notices please contact:

Scott Woodruff

NOAA Earth System Research Laboratory  
Physical Science Division (PSD3)  
Boulder, CO 80305 USA

E-Mail: [Scott.D.Woodruff@noaa.gov](mailto:Scott.D.Woodruff@noaa.gov)

Phone: +1 303 497-6747

Fax: +1 303 497-6181

The Workshop is being organized jointly by the WMO/IOC Joint Technical Commission for Oceanography and Marine Meteorology ([JCOMM](#)) and [ESA](#), and sponsored by the World Meteorological Organization ([WMO](#)) and Intergovernmental Oceanographic Commission ([IOC](#)), Global Climate Observing System ([GCOS](#)), Climate Variability and Predictability Project ([CLIVAR](#)), and the Ocean Observations Panel for Climate ([OOPC](#)). The [ICOADS](#) project also provides some support.