

**WORLD METEOROLOGICAL ORGANIZATION**

**Weather – Climate - Water**

**WMO Presentation**

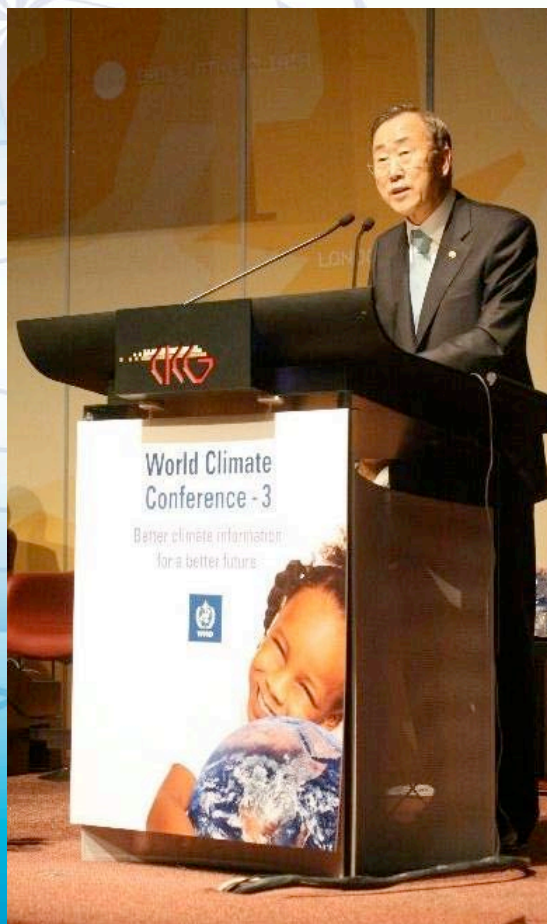
**On the occasion of the  
Ocean Obs 09 Conference**

**21 September 2009, Venice, Italy**

**WMO  
OMM**

*World Meteorological Organization*

## World Climate Conference - 3



### WORLD CLIMATE CONFERENCE-3 Geneva, 31 August – 4 September 2009

#### CONFERENCE STATEMENT Summary of the Expert Segment

In the 21<sup>st</sup> Century, the peoples of the world are facing multi-faceted challenges of climate variability and climate change, which requires wise and well-informed decision-making at every level from households, communities, countries and regions, to international fora, including the UN Framework Convention on Climate Change. Those decisions will require, directly or indirectly, access to the best possible climate science and information and effective application of this information through climate services.

## Challenges

- Improved and better used-tailored weather forecasting
- Enhanced climate monitoring
- Strengthened research and improvement of predictions
- More reliable marine forecasting activities in support of marine transportation, and
- More efficient response to marine accidents.

# JCOMM

JCOMM

WMO • IOC



World  
Meteorological  
Organization



Intergovernmental  
Oceanographic  
Commission  
of UNESCO



Integrating and modernizing  
global ocean data and services

Joint WMO-IOC Technical Commission for Oceanography and Marine Meteorology

JCOMM observation programmes:



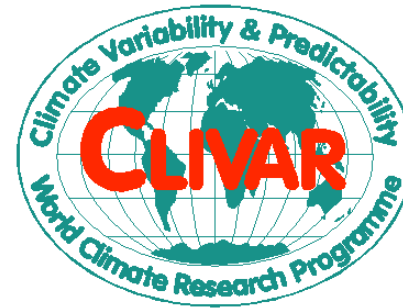
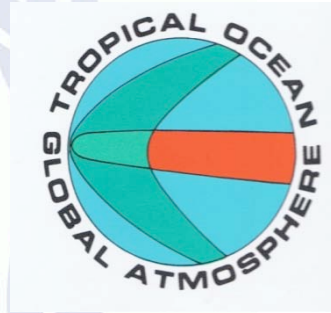
Associated programmes:



# WCRP

# WCRP

World Climate Research Programme



Arctic Climate System Study



...a core project of the World Climate Research Programme

# GCOS

**G** GLOBAL  
**C** CLIMATE  
**O** OBSERVING  
**S** SYSTEM



WORLD METEOROLOGICAL  
ORGANIZATION

INTERGOVERNMENTAL  
OCEANOGRAPHIC COMMISSION



## Progress Report on the Implementation of the Global Observing System for Climate in Support of the UNFCCC 2004-2008

August 2009

GCOS-129

(WMO-TD/No. 1489, GOOS-173, GTOS-70)

UNITED NATIONS  
ENVIRONMENT PROGRAMME

INTERNATIONAL COUNCIL FOR  
SCIENCE

**WMO**  
**OMM**

*World Meteorological Organization*

## WIGOS

- Better consider the requirements of WMO and WMO-sponsored Programmes;
- Address synergies and save costs;
- Promote common standards;
- Ensure availability of required information;
- Meet data quality standards, and
- Facilitate and improve access to data in real or near-real time as well as to archived information.

## Observing System for:

- Marine services
- Weather forecasting
- Climate change detection
- Climate prediction
- Climate adaptation, and
- Disaster risk reduction.





**Thank you !**

