

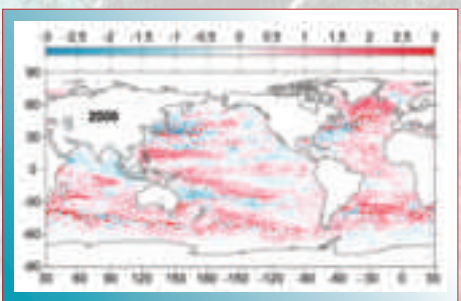


WMO Commission for Climatology



The 130 page 2006 State of the Climate report, led by NOAA's National Climatic Data Center and produced in a collaborative effort by more than 30 member countries, will be translated into all WMO languages in the

coming months by the ET2.2 team. This report highlights the benefits of member nations working together to monitor and improve the scientific understanding of the global climate. It includes information on current climate conditions and historical changes for more than 20 Essential Climate Variables. These are contained within chapters on global atmospheric conditions, ocean surface and subsurface, tropical cyclone activity in all basins, and conditions in the polar regions. Detailed discussions on notable weather and climate conditions and extreme events within all WMO regions are also included in the report.



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Expert Team on Climate Monitoring

including the use of
Satellite and Marine
Data and Products



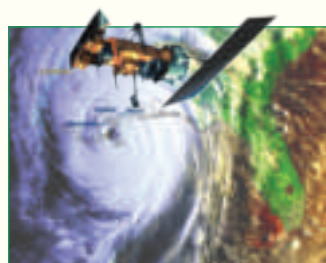
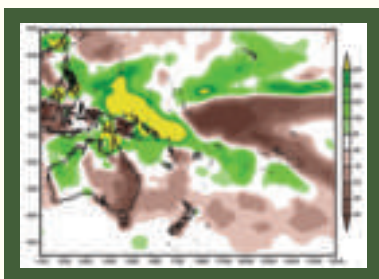
Information on ET2.2 activities is available online at
<http://www.omm.urv.cat/>

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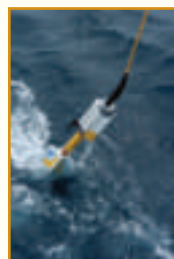
In recent decades, great advances in observing technologies and systems have provided the scientific community with a rapidly increasing array of in situ, satellite, and marine datasets. These have been applied to operational climate monitoring programmes throughout all WMO regions and have significantly improved capabilities for obtaining real-time global climate signals.

The increasing availability of new climate monitoring products and tools combined with international collaboration and data sharing enable scientists throughout the world to provide government and private sector decision-makers with better information more rapidly than at any time in the past. However, gaps in capabilities exist between developed and developing countries.



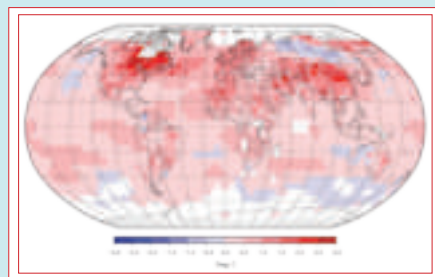
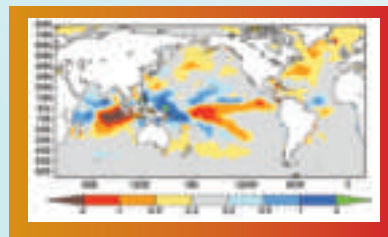
The Expert Team on Climate Monitoring (ET2.2), through the WMO Climate Data and Monitoring Programme (WCDMP), is working to stimulate and coordinate

climate monitoring activities around the world to give all countries access to the fullest array of new monitoring products and information.



A new website has been developed by the ET2.2 members to facilitate the sharing of information, data, and products. With a special focus on promoting the use of satellite and marine data and products, this website is a portal to climate monitoring products and information from and for meteorological services throughout the world. The website is hosted by the Rovira i Virgili University (Tarragona, Spain): <http://www.omm.urv.cat/>

The information provided through international climate monitoring activities forms a basis for enhancing the scientific understanding of climate variability and change and is an integral part of disaster prevention and mitigation, environmental protection and sustainable socio-economic development.

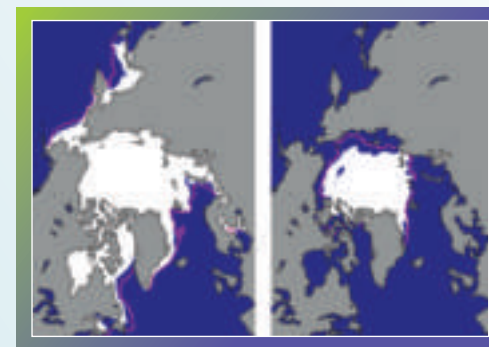


The Expert Team on Climate Monitoring, through its website, provides access to information on the four priorities in the ET2.2's Work Plan for the term of 2006-2009:

- Applications of satellite & marine data and other in situ datasets
- Improvements in monitoring of global and continental extremes
- Stimulation and coordination of phenological practices in climate monitoring activities
- Capacity building in climate monitoring in developing countries

The ET2.2 team members developed 17 action items to address the four climate monitoring priorities. These action items comprise three major projects:

- Capability Audit
- World Wide Climate Monitoring and Climate Watches
- Global Climate Review



Achieving success in all of these activities will require coordination with other international programs, preparation of scientific overviews and guidelines in climate monitoring, training, education, and capacity building.

