



The Computerworld Honors Program

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Final Copy of Case Study

LOCATION:
Benevento, Italy

ORGANIZATION:
Met European Research Observatory

YEAR:
2011

ORGANIZATION URL:
http://www.fao.org/gtos/tems/tsite_show.jsp?TSITE_ID=3730

STATUS:
Laureate

PROJECT NAME:
Coordinated Energy and Water Cycle Observations Project

CATEGORY:
Collaboration

PROJECT OVERVIEW

CEOP is the international focal point for WCRP/GEWEX Global Hydrometeorological Research and we welcome all interested researchers to participate and contribute to the development of current and future hydrometeorological observations, simulations, and predictions. CEOP project reduce consistent research quality data sets complete with error descriptions of the Earth's energy budget and water cycle and their variability and trends on interannual to decadal time scales, for use in climate system analysis and model development and evaluation. CEOP improve also the predictive capability for key water and energy cycle variables and feedbacks through improved parameterizations to better represent hydrometeorological processes, and determine the geographical and seasonal characteristics of their predictability over land areas.

SOCIETAL BENEFITS

Undertake joint activities with operational hydrometeorological services, related Earth System Science Partnership Program (ESSP) projects like the Global Water System Project (GWSP), and hydrological research programs to demonstrate the value of GEWEX research, data sets and tools for assessing the consequences of climate predictions and global change for water resources.