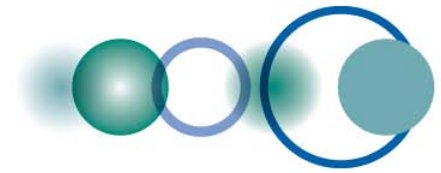


CB-09-03d Capacity building for operational oceanography

- Description and objective of subtask
 - Facilitate ocean data sharing and use by stimulating global cooperation on operational oceanography, especially in developing countries.
- Goals, outcomes, outputs
 - A global network of operational oceanography
 - Strategy for developing national operational oceanography programs in an international environment
 - Demonstration of regional sea operational ocean-wave forecasting systems through GEO cooperation



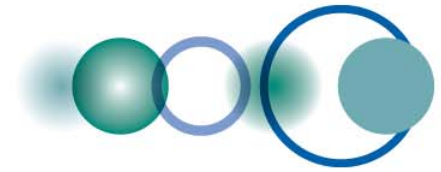
CB-09-03d:Progress

- A global network of operational oceanography capacity building



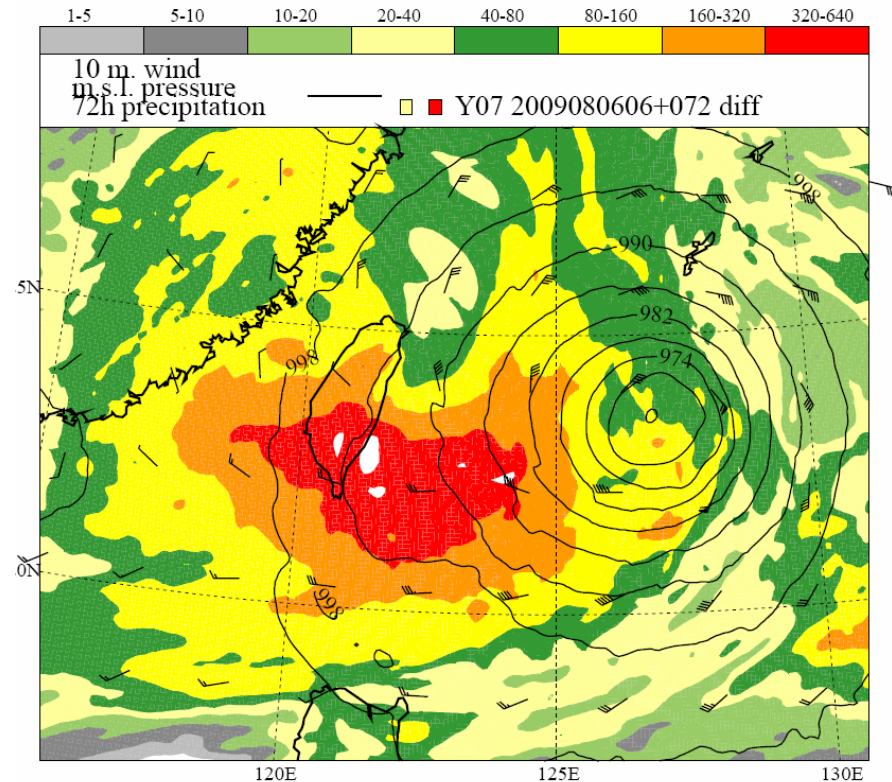
Co-lead: DMI, IOC/GOOS

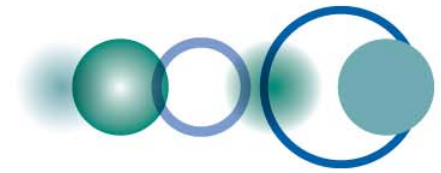
**Partners: NOAA, JPL, UDEC, CSIR, MERCATOR-Ocean,
NERSC, GKSS, IAPCAS, KORDI**



CB-09-03d:Progress

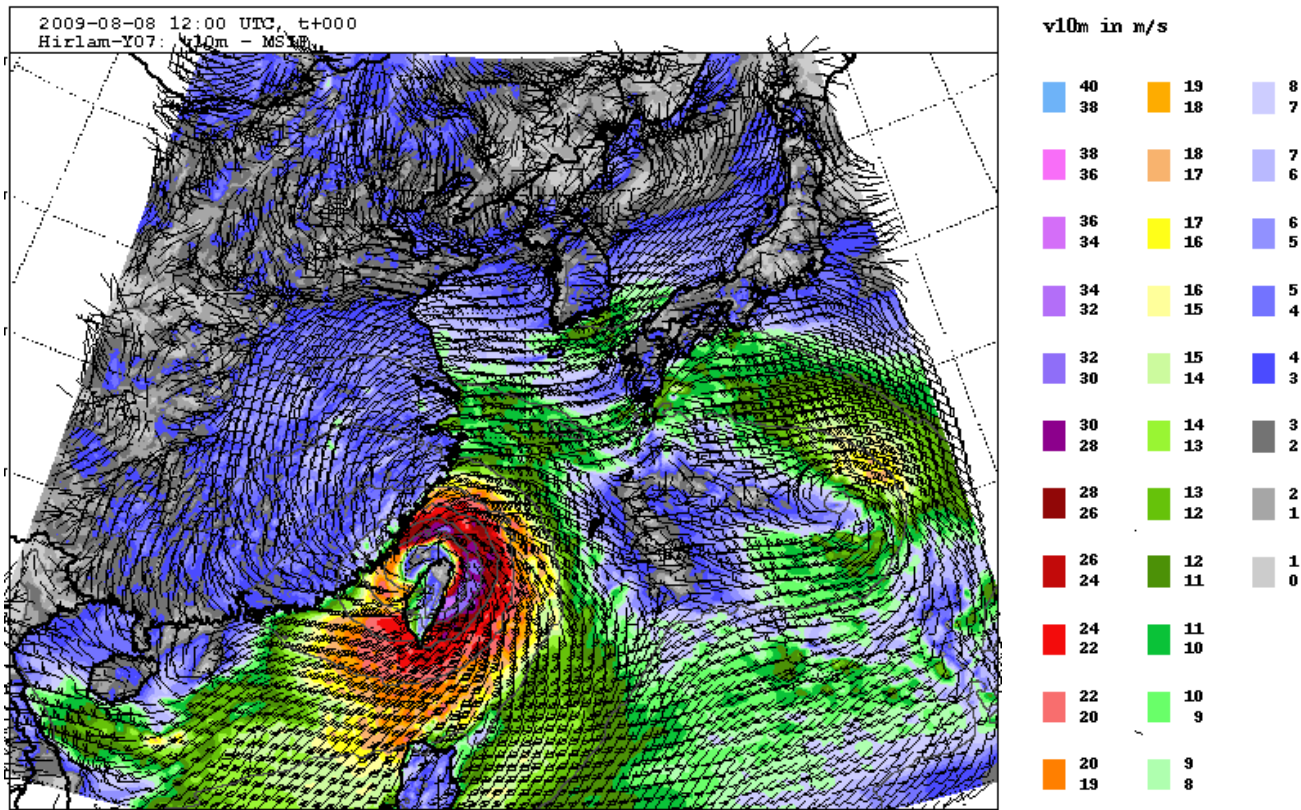
- Typhoon Morakot: 500 lives lost, 100billions economy cost
- DMI high resolution forecast for E. Asia: HIRLAM
- The forecast in August 6 showed that the 3day precipitation would reach 1000mm in Southern Taiwan.

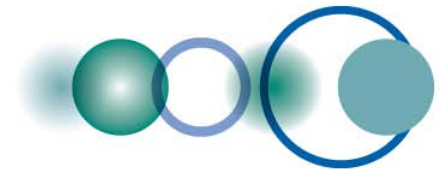




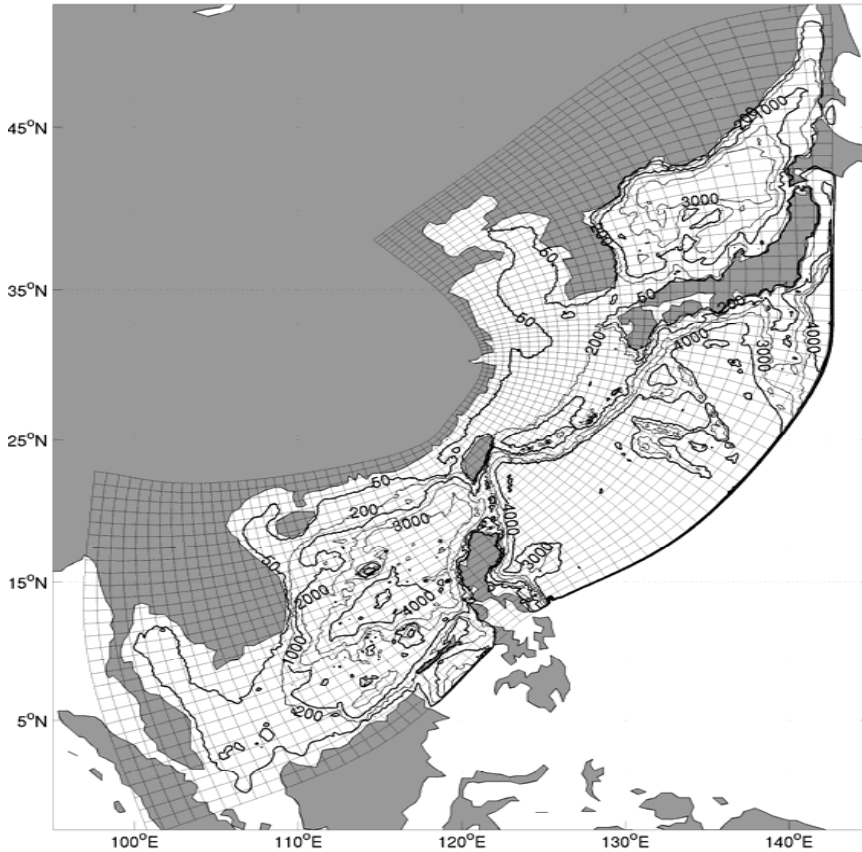
CB-09-03d:Progress

- DMI high resolution forecast for E. Asia: Typhoon Morakot (winds)

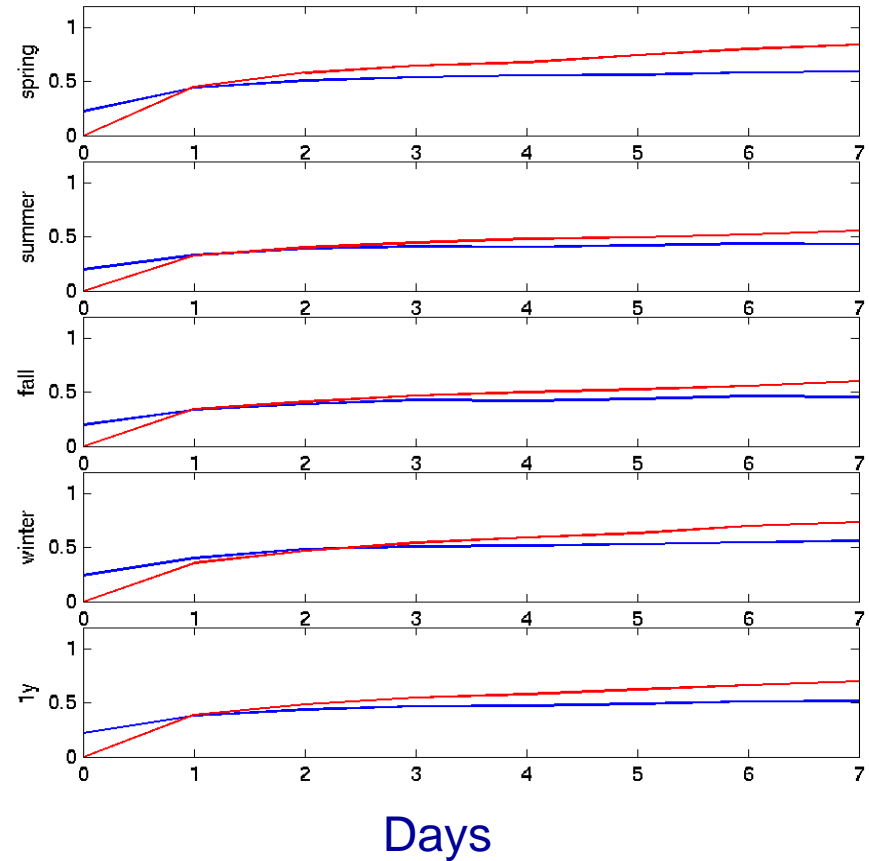




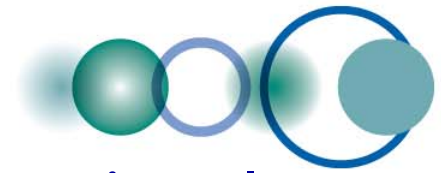
China marine forecasting system (IAP-HYCOM)



Forecast area



The SST forecast error growth in SCS (red: persistence; blue: model)



CB-09-03d Capacity building for operational oceanography

- Gaps, challenges, risks
 - Operational oceanography and service have been advanced in the last decade in Europe and some other developed countries, but less developed in most of the developing countries in Asia, Africa and Latin America. Capacity building for operational oceanography in these countries is urgently required and has a significant social benefit. The ocean data exchange can also be stimulated by this activity
- Current activities, schedule
 - Categorizing funding for operational oceanography capacity building
 - Extending successful Asia demo to Latin America and Africa
 - Demonstration of operational oceanography in developing countries