GEO Capacity Building Committee
11th Meeting

ITC, Enschede, The Netherlands
21-22 January 2010

Capacity Building OAT CB-09-03
Building Institutional Capacity to USE EO

Alan EDWARDS
EUROPEAN COMMISSION
Research Directorate General
Environment - RTD.I
Management of Natural Resources – RTD.I.4
CB-09-03

• Coordinate, strengthen and sustain existing capacity building networks within Earth observation communities. As appropriate facilitate the construction of new networks.
  
• a) Building National and Regional Capacity
  Led by Netherlands (ITC, mannaerts@itc.nl)

• b) Establishing Regional Capacity Building Networks
  Led by Netherlands (ITC, mannaerts@itc.nl)

• d) Building Capacity for Operational Oceanography
  Led by Denmark (DMI, js@dmi.dk) and IOC/GOOS
CB-09-03

2009-2011 Work Plan Progress Report to GEO-VI

- Progress was made in strengthening and coordinating existing capacity-building networks needed to improve the utilization of Earth information, products and services across regions and disciplines. The global network of operational oceanography is a good example of the achievements to date. Stronger synergies are required between activities addressing national & regional capacity building networks.
CB-09-03: sub-task d)

Building Capacity 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
Building Capacity for Operational Oceanography

- The Danish Meteorological Institute (DMI) stimulated capacity building in operational oceanography through sharing of knowledge and experience in countries where it is non existent or not yet mature.
- Progress was made on developing a Yellow Sea weather-ocean-wave forecasting system as a result of the EC-supported Yellow Sea Observation, forecasting and information System (YEOS – see http://ocean.dmi.dk/yeos/).
- A **global network of operational oceanography** focused on capacity building was established, with involvement from major operational and research centres from Chile, China, Denmark, France, Germany, Republic of Korea, Norway, South Africa and USA, and IOC/GOOS.
CB-09-03: sub-task d)

- A global network of operational oceanography capacity building

Co-lead: DMI, IOC/GOOS
Partners: NOAA, JPL, UDEC, CSIR, MERCATOR-Ocean, NERSC, GKSS, IAPCAS, KORDI