

## **The JCOMM Marine Climate Data System and its linkage with the IODE Strategic Plan**

**By Sissy Iona, Chair JCOMM DMCG**

### **MCDS**

The development of the MCDS is basically proposed to replace the Marine Climatological Summaries Scheme (MCSS) system which is mainly dealing with the management of the delayed mode VOS data. To remind you that the modernization of the MCSS system is a DMPA priority action coming from JCOMM-III session. The new system is expected to respond to the WMO-IOC requirements for climate monitoring, forecasting and services. Also the new system will include other sources not only the VOS data, such as drifters, profiling floats, buoys, satellite data. **So IODE should respond to these climate requirements?**

### **CMOCS**

Another key component of the new system is the establishment of the CMOCs, a new WMO-IOC data system of Centres for Marine Meteorological and Oceanographic Climatic Data. The CMOC was actually an idea for the formal recognition of ICOADS, and potentially other centres holding global marine climatological data sets, within WMO and IOC through JCOMM. This proposal could also be beneficial for garnering more sustained US (e.g. NOAA) support and commitment. JCOMM-4 is expected to approve the recommendation for the MCDS and the CMOCs. Two countries, Germany (weather service) and China (National Marine Data and Information Service) have already submitted their applications to become CMOCs. Their review according to the procedures is expected to be done by the DMCG before JCOMM-4 so as JCOMM-4 to approve their establishment.

**How CMOCs operation is connected with the IODE/NODCs and how it influence NODCs?** I think IODE should use the MCDS and the CMOCs to respond to the increasing demands of the community for operational data and contribute to the development of an operational integrated ocean data system.

*(During JCOMM/MAN-8 concern was expressed about the lack of visibility for a long term plans in terms of operational data management. In particular, the MAN agreed that the DMPA should be promoting going towards an operational integrated ocean data system. The DMPA was going that way by starting building the required blocks (e.g. discovery, common vocabularies).*

### **ODINS role**

- Can ODINs be used by CMOCS as regional assembling centres?
- Could ODIN products used by CMOCS.?
- Strategic Plan should take these into account.
- Can ODINs seek some funding from JCOMM for this?

### **WDS**

How membership to ICSU/WDS is connected with the MCDS and the CMOCs? Strategic Plan should include it.

### **Other IODE functions**

**A strategy and an implementation plan have been drafted in order to realize up to 2020 the vision of the new system which can be reviewed after JCOMM-IV. From IODE side the plan is implemented mainly by ETDMP and the ODS. Also, several IODE programmes (GTSP, GOSUD, GODAR, OBIS) will contribute to the system. This should be stressed in the Strategic Plan.**

### **CB**

Capacity building also is implemented through OT. We should include it in the Strategy.

### **Data Centres issues**

The RNODC for DB (ISDM Canada) suggests to become a GDAC in the new system. How IODE respond on this? (Remember that in 2005, IODE abolished the RNODCs, but ISDM is one of the active one for managing drifting buoys).

The workshop invited ISDM to investigate acting as a GDAC for moored buoys Also who will be the DAC/GDACs for coastal stations or satellite stations? Can IODE be involved ?