Report on first session of ETDMP

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ETMC-I
Overview

- General overview of meeting
  - Aspects relating to ETMC

- Pilot Projects
  - Metadata
  - Data quality
  - E2EDM
Achievements of ETDMP-I

- Requirements for E2EDM of GCOS, COOP and MMS (in-situ and satellite)

- Existing / planned marine data management systems (incl. metadata)
MMS presentation to ETDMP

- VOS and VOSClim data management
- Generation
- Transmission
- Dissemination
- Quality
- Archival
- Availability
Achievements of ETDMP-I

- Ocean Information Technology pilot project
  - metadata systems
  - data assembly, quality control and quality assurance
  - data circulation and communication

- E2EDM strategy
ETDMP pilot project 1

- Develop a common metadata standard for JCOMM
  - Choose most-used system?
  - Compare systems / map crosswalks?
  - Create new directory?

- MEDI, GCMD, EDMED, EDMERP, EDOIS, SEA-SEARCH, ISO19115, ODAS ....
ETDMP Pilot Project 2

- Unique tag for original data
  - Avoid duplication from multiple versions
  - GTSPPP currently trialling this

- Data quality assessment and flagging standard
  - Many quality procedures, flag range confusing
  - Compare QC for a subset of variables
ETDMP Pilot Project 3

- End-to-end data management prototype
  - Build and demonstrate a system which can undertake real-time fusion of data from distributed sources into sample products
  » Users can request a variety of data types (physical, meteorological or biological marine data) over a space-time region
MMS involvement with E2EDM

- UK asked to be meteorological data provider
  - Air temperature
  - Sea surface temperature
  - Pressure
  - Wave
- Hope to be involved, currently investigating resources, decision by 23rd July
Cooperation with other programmes

- Marine XML activities
  - ICES-IOC SGXML, EU Marine XML project
  - http://marinexml.net
Cooperation with other programmes

- Future WMO Information System
  - Routine collection of observed data
  - Auto dissemination of scheduled products
  - Ad hoc, non-routine applications
  - Different user group and access policies
Cooperation with other programmes

- Data Management And Communication system of US IOOS
  - Metadata (data discovery)
  - Data transport
  - On-line browse
  - Archive
  - Metrics, feedback and fault correction