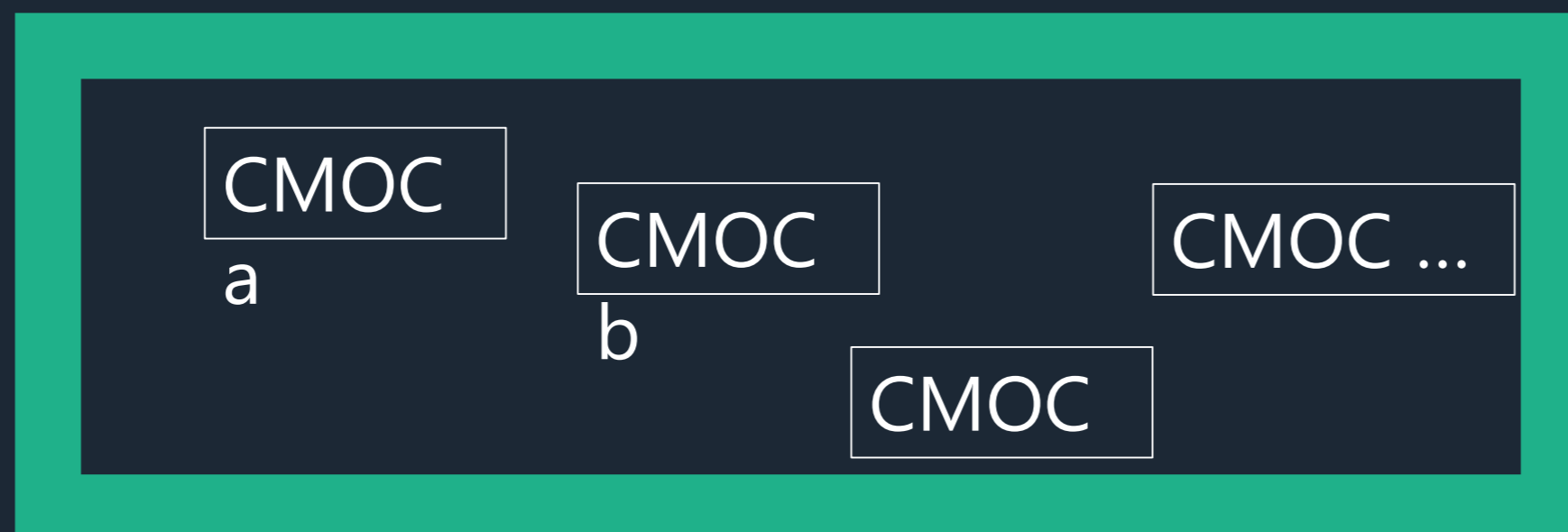


CMOC/China and its Service

Weidong Yu, Sun Yat-Sen University, China
With kind support from Ms. Julia Ting Yu, CMOC, China

BACKGROUND



The Commission agreed that a limited number (less than ten) of WMO-IOC **Centres for Marine Meteorological and Oceanographic Climate Data (CMOCs)** covering specific JCOMM data domains, will form a key component of the MCDS, and will further facilitate interoperability with, and seek to internationally formalize the International Comprehensive Ocean-Atmosphere Data Set (ICOADS) and eventual similar existing domain-specific international archives, within the remit of JCOMM.

BACKGROUND

Tasks of CMOC/China

Integrate marine-meteorological and oceanographic climate data, metadata, and actively conduct HLQC and produce specialized datasets of **ECVs and EDVs**

Actively participate in the **research** and development of oceanographic and marine-meteorological **products**, and their related **services**: climate statistical products and reanalysis products;

7X24 operation website to provide free services to users (www.cmoc-china.cn), mirroring with other CMOCs when possible

Provide technical training, and carry out **capacity building** activities for countries in the region.

Data processing and integration

- Conduct the quality control and duplicate elimination of observation data of **GLOSS** and **VOSs** surveys, and prepare and release the **integrated global sea level dataset**;
- Carry out the quality control and duplicate elimination of **Argo and GTSP data**, and prepare and release the **integrated global and regional T&S datasets**;
- Conduct the duplicate elimination of sea surface meteorological data in ICOADS, VOS, DBCP and GTS datasets, and prepare and release the **integrated global sea surface meteorological dataset and China VOS dataset**.
- Carry out **DBCP drifter data and metadata integration**

Data and information **product** R&D

- Monthly Report of the Sea Level and Climate Change of China
- China Sea Level Bulletin
- Global and regional ocean reanalysis products
- Argo surface current inversion products
- Real-time analysis data of the Northwest Pacific Ocean
- Surface current fusion products of the Northwest Pacific Ocean
- Products of tidal current forecast of global major ports

Challenges

The role of CMOCs in the MCDS data flow under the new structure of WMO

Collaboration with other CMOCs for joint contribution on global oceanographic and meteorological data services

Better data service from CMOC/China in line with the new data policies of WMO and IOC