

JCOMM Overview



Val Swail
Environment and Climate Change Canada
JCOMM representative to IOGP Metocean Committee

IOGP/JCOMM/WCRP Workshop
Our Future Climate – Understanding the spread of physical risk for the oil and gas industry
25-27 September 2018, BP Upstream Learning Centre, Sunbury Upon Thames, UK

Outline

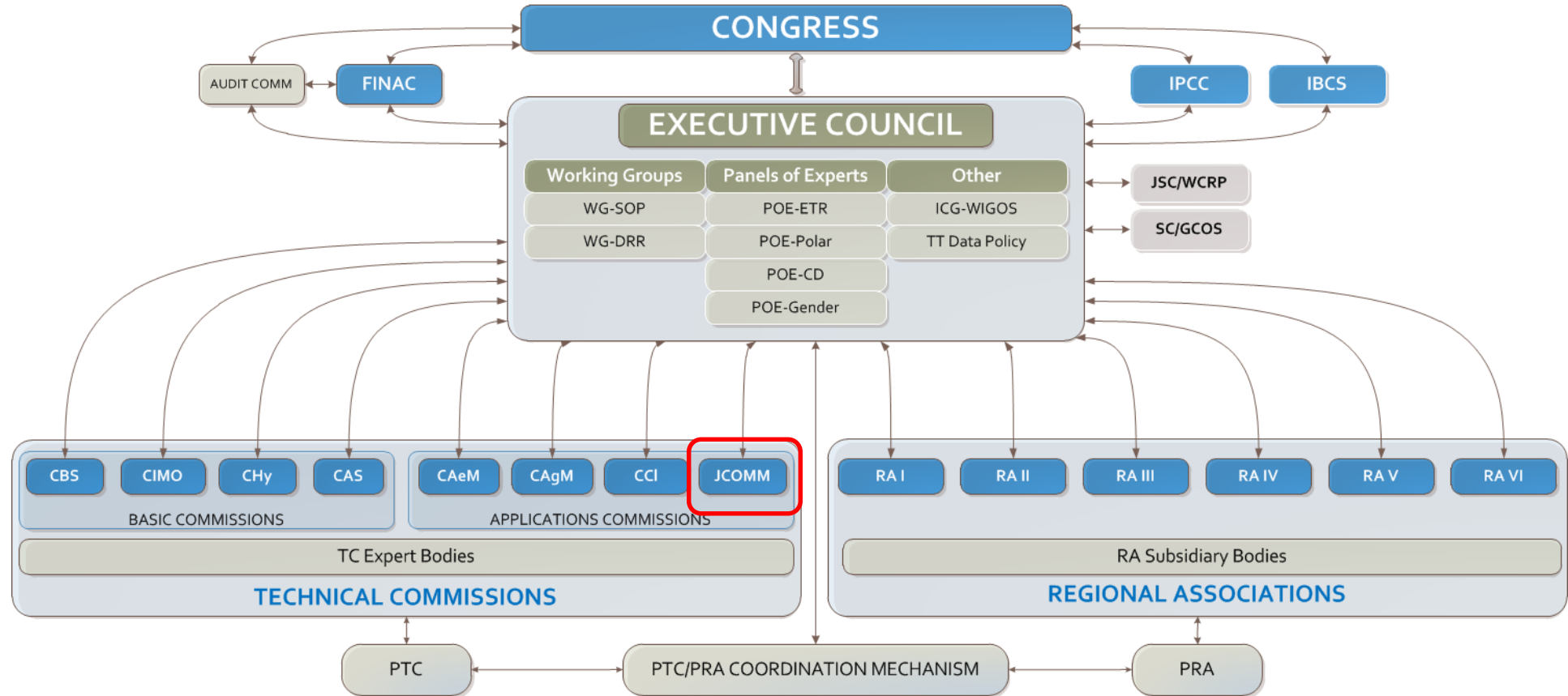
- What is JCOMM, and why is it interested in this workshop?
- Structure of JCOMM, and high-level objectives
- Role of JCOMM
- Climate and climate change related activities of JCOMM

What is JCOMM?

WMO-IOC Joint Technical Commission for Oceanography and Marine Meteorology

- JCOMM established in 1999 as a joint technical commission by WMO Congress and IOC Assembly to address:
 - Marine meteorological and ocean observation requirements in support of WMO and IOC applications, and coordination of implementation of ocean observing systems
 - Needs of marine users for data and products
 - Coordinate and optimize the work of WMO and IOC
- World Meteorological Organization (WMO)
- Intergovernmental Oceanographic Commission of UNESCO (IOC)

Current structure of WMO



Management Group

Programme areas

Observation

Data Management

Services and Forecasting Systems

Coordination Groups

Coordination Group

Coordination Group

Coordination Group

Expert Teams

Data Buoy Cooperation Panel

Expert Team on Data Management Practices

Committee for the World-Wide Metocean Information and Warnings

Sea Level Observations Team

Expert Team on Marine Climatology

Expert Team on Disaster Risk Reduction

Ship Observations Team

Inter-programme Expert Team on Marine Met and Oceanographic Information Systems

Expert Team on Sea Ice

Expert Team on Operational Ocean Forecasting Systems

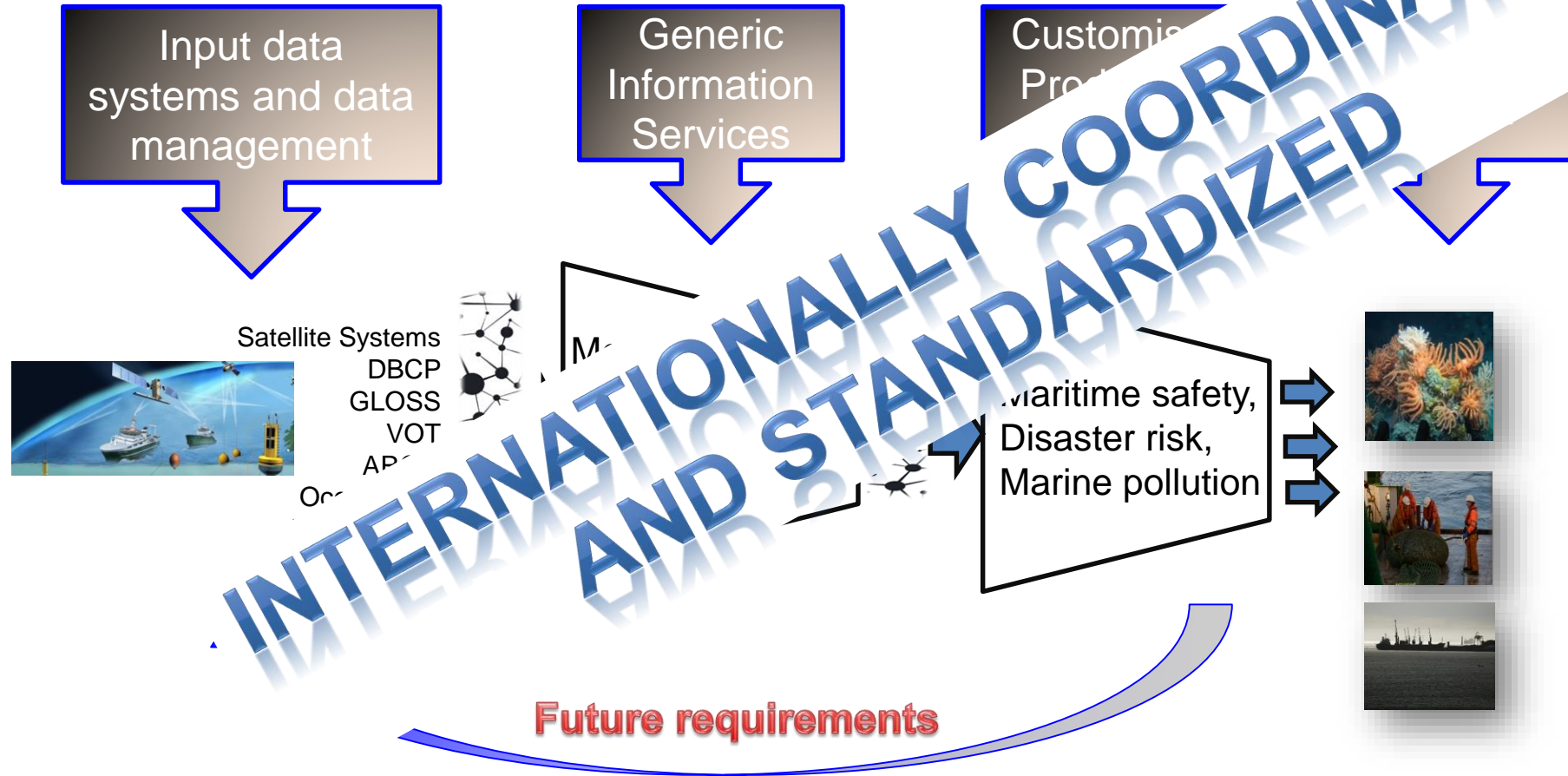
Expert Team on Marine Environmental Emergency Response

Current JCOMM structure



WMO OMM

The JCOMM 10-year vision



The JCOMM 10-year vision

Main objectives include:

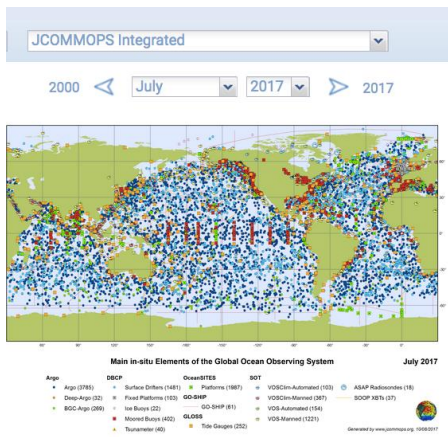
#2. Enhance the standardized provision of high accuracy met-ocean data, information, products and marine meteorological and oceanographic services

#3. Coordinate the enhancement and long-term maintenance of an integrated global marine meteorological and oceanographic observing and data management system as part of the GOOS, GCOS, WWW, other operational programmes, and other appropriate bodies and or related technical commissions;

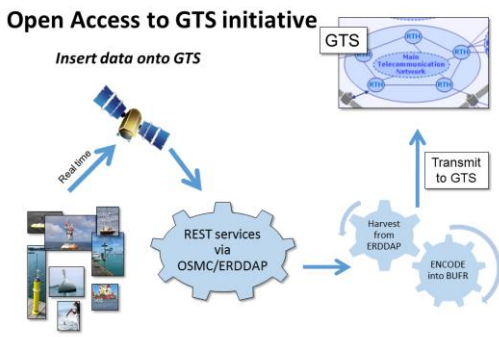
#4. Manage the selective incorporation of advances in meteorological and oceanographic science and technology; adapt this evolution to the growing needs of the ocean economy and its sustainable development; and **work to ensure that all countries have the capacity to benefit from, and contribute to, these advances;**

The JCOMM inter-sessional period exemplary success cases

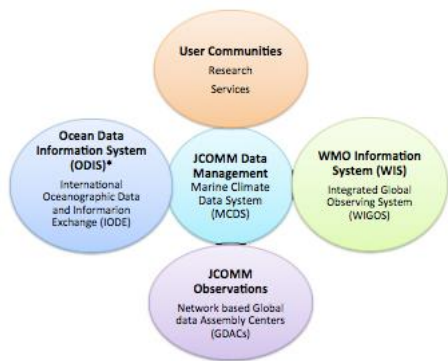
JCOMMOPS



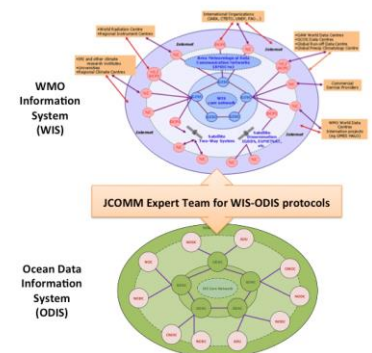
OPEN GTS



Marine Climate Data System



Integrated Marine Meteorological and Oceanographic Services within WIS



Updated best practice manuals

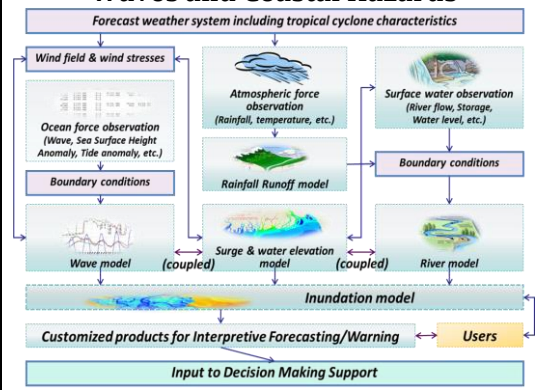
WMO-No. 558
WMO-No. 558: Manual on Marine Meteorological Services

Summary	2017 Edition
Doc Type	Reference Document
Status	Draft
This document is in the lists:	[Official Publication] Manuals and Guides [view list] [Working Documents] Documents under Review [view list]

[Download](#)

English (v1.0, 668 KB)

Waves and Coastal Hazards



Climate and climate change related activities of JCOMM

JCOMM coordinates international activities related to climate (and many other activities), and co-sponsors/organizes workshops to:

- to provide a forum for the exchange of ideas;
- to promote cross-cutting, multi-disciplinary, scientific/engineering collaboration and
- to coordinate ongoing R&D initiatives and discuss priorities for future research and development.



The Coordinated Ocean Wave Climate Project

- Historical wave climate variability and change
- Projected future changes in wave climate
- Coupled Wave-AOGCM models

JCOMM Fourth
Workshop on
Advances in Marine
Climatology
[CLIMAR-IV]
9-12 June
2014

First ICOADS
Value-Added
Database
Workshop
[IVAD-I]
13 June
2014

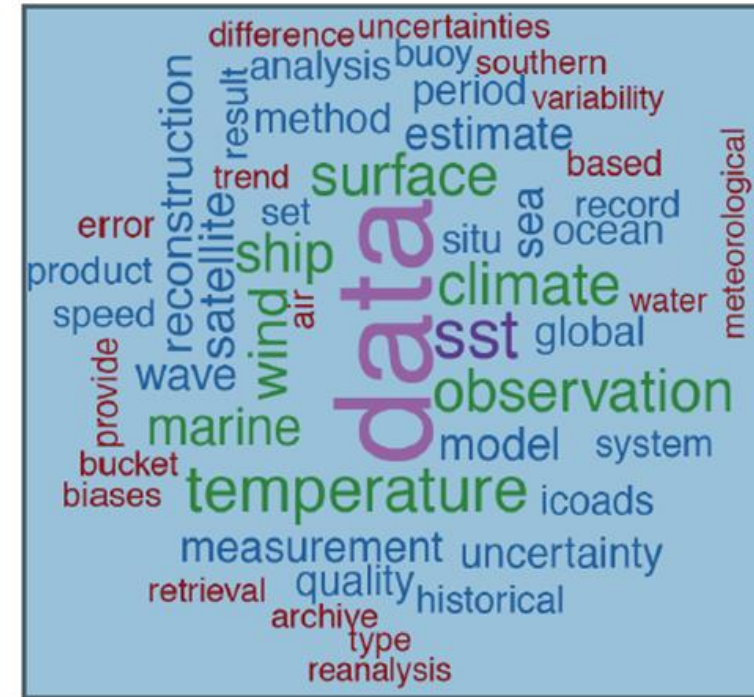


Four Points by Sheraton Asheville Downtown

Asheville | NC | USA

Fourth International Workshop on the Advances in the Use of Historical Marine Climate Data (MARCDAT-IV)

18 – 22 July 2016, National Oceanography Centre,
Southampton, UK



National
Oceanography Centre
NATURAL ENVIRONMENT RESEARCH COUNCIL



National
Oceanography Centre
NATURAL ENVIRONMENT RESEARCH COUNCIL



The Workshop is being organized jointly by the Joint WMO-IOC Technical Commission for Oceanography and Marine Meteorology (JCOMM) and by the US National Oceanic and Atmospheric Administration (NOAA) National Climatic Data Center (NCDC) and sponsored by the WMO and IOC and the National Oceanography Centre (UK).

International Workshop on Waves, Storm Surges and Coastal Hazards

www.waveworkshop.org

A continuing series of international workshops on all aspects of ocean waves, including measurements, modelling, prediction on all time scales, and climate, from the basic research to the ultimate end user community.

This web site contains the papers and presentations from the entire series of conferences.



2nd INTERNATIONAL WORKSHOP ON WAVES, STORM SURGES AND COASTAL HAZARDS

Incorporating the 16th International Waves Workshop

will be held:

10-16 November 2019

Sheraton Hotel, Melbourne, Australia

1st announcement and call for papers October 2018



OGP/JCOMM/WCRP Workshop on Climate Change and the Offshore Industry

WMO Headquarters, Geneva, Switzerland

27-29 May 2008

FINAL PROGRAMME

Tuesday, 27 May 2008

[Opening Ceremony](#)

[Session A: Co-sponsors Overview](#)

[Session B: Tropical Storms](#)

[Session C: Extra-tropical Storms](#)

[Session D: Statistics and Uncertainty](#)

[Session E: Tropical cyclone synthetic storms modelling](#)

[Session F: Discussion - Breakout groups](#)

Tuesday, 27 May 2008

09:00 [Opening Ceremony](#)

Session A: Co-sponsors Overview ([Summary of the Session](#))

Chair: Val Swail

Rapporteur: Alice Soares

09:15 [OGP Overview](#) (Chris Shaw, Chairperson of the OGP Metocean Committee)

09:30 [WCRP Overview](#) (Ghassem R. Asrar, WCRP Director)

09:45 [JCOMM Overview](#) (Jean-Louis Fellous, JCOMM Co-president)

10:00 [OGP Overview](#) (Dale Brown, Chairperson of the OGP)



WMO OMM

https://www.wmo.int/pages/prog/amp/mmop/documents/JCOMM-TR/J-TR-42-OGP_JCOMM_WCRP_workshop/ProgramFrameset.htm

OGP/JCOMM/WCRP Workshop on
Climate Change and the Offshore Industry
Geneva 27-29 May 2008

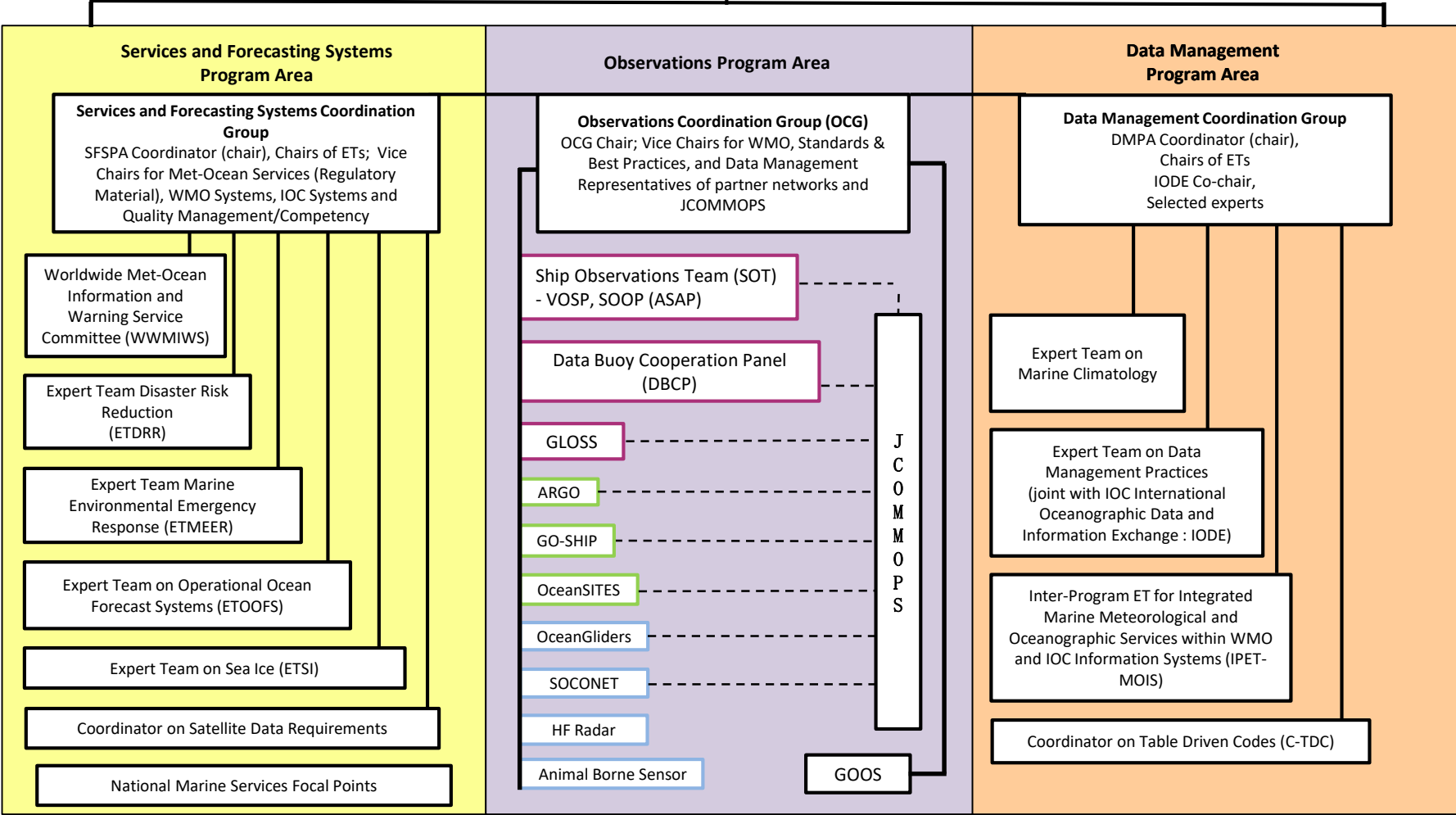


Thank you

WMO

IOC

JCOMM Management Committee
2 Co-presidents ; 3 Program Area Coordinators ; 2 Capacity Development Coordinators.



- OPA Networks Sponsored
- OPA Networks
- OPA Emerging Networks