

Telefonica



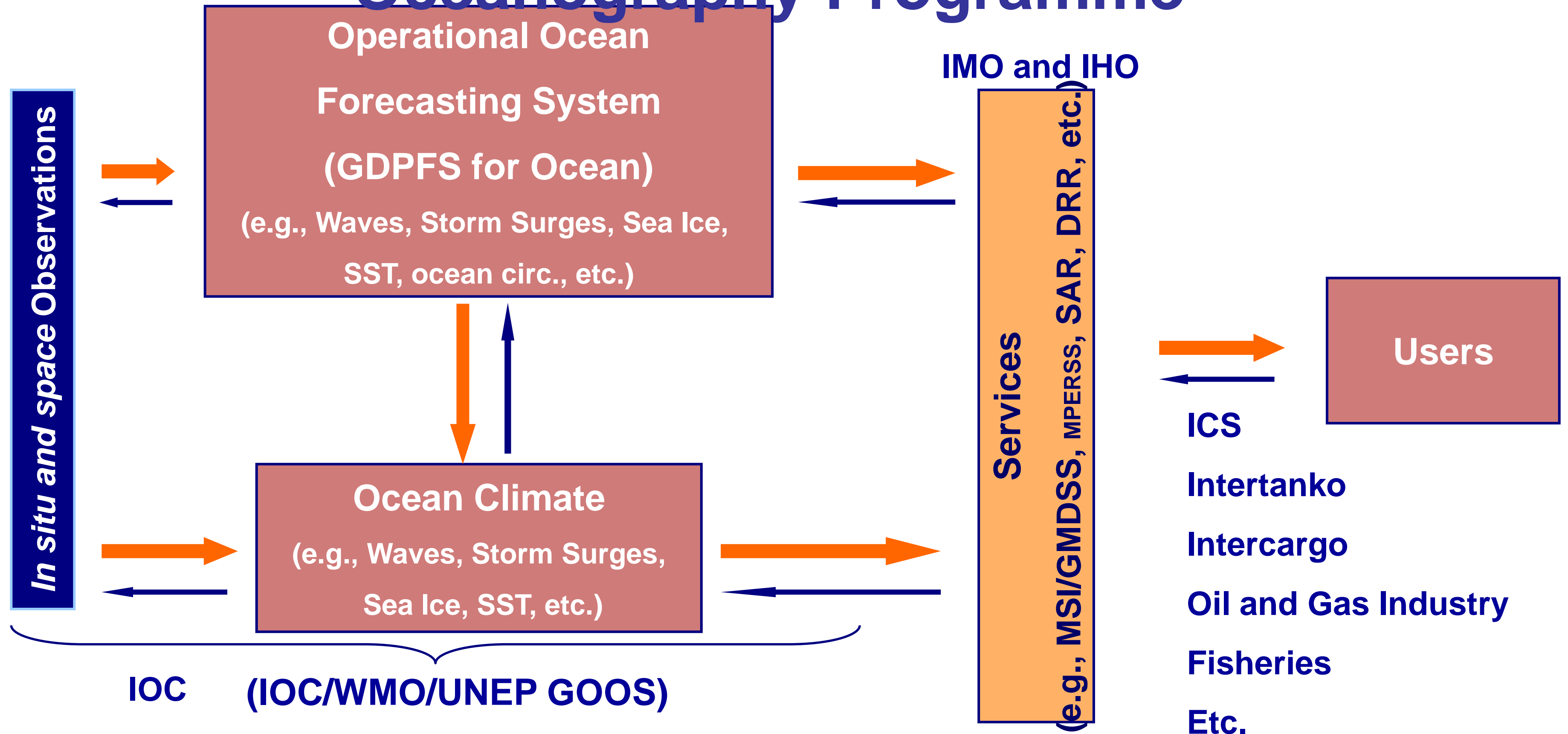
ITU Green standards week

Innovating today for
a sustainable tomorrow_

Oceans in the UN and international arena
The role of WMO
Edgard Cabrera

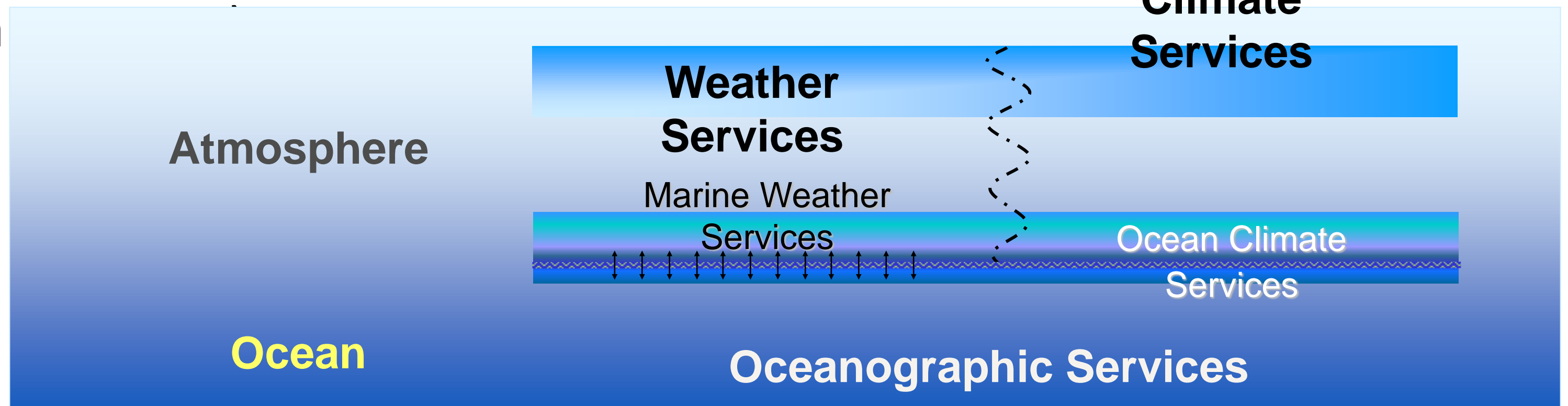


Marine Meteorology and Oceanography Programme

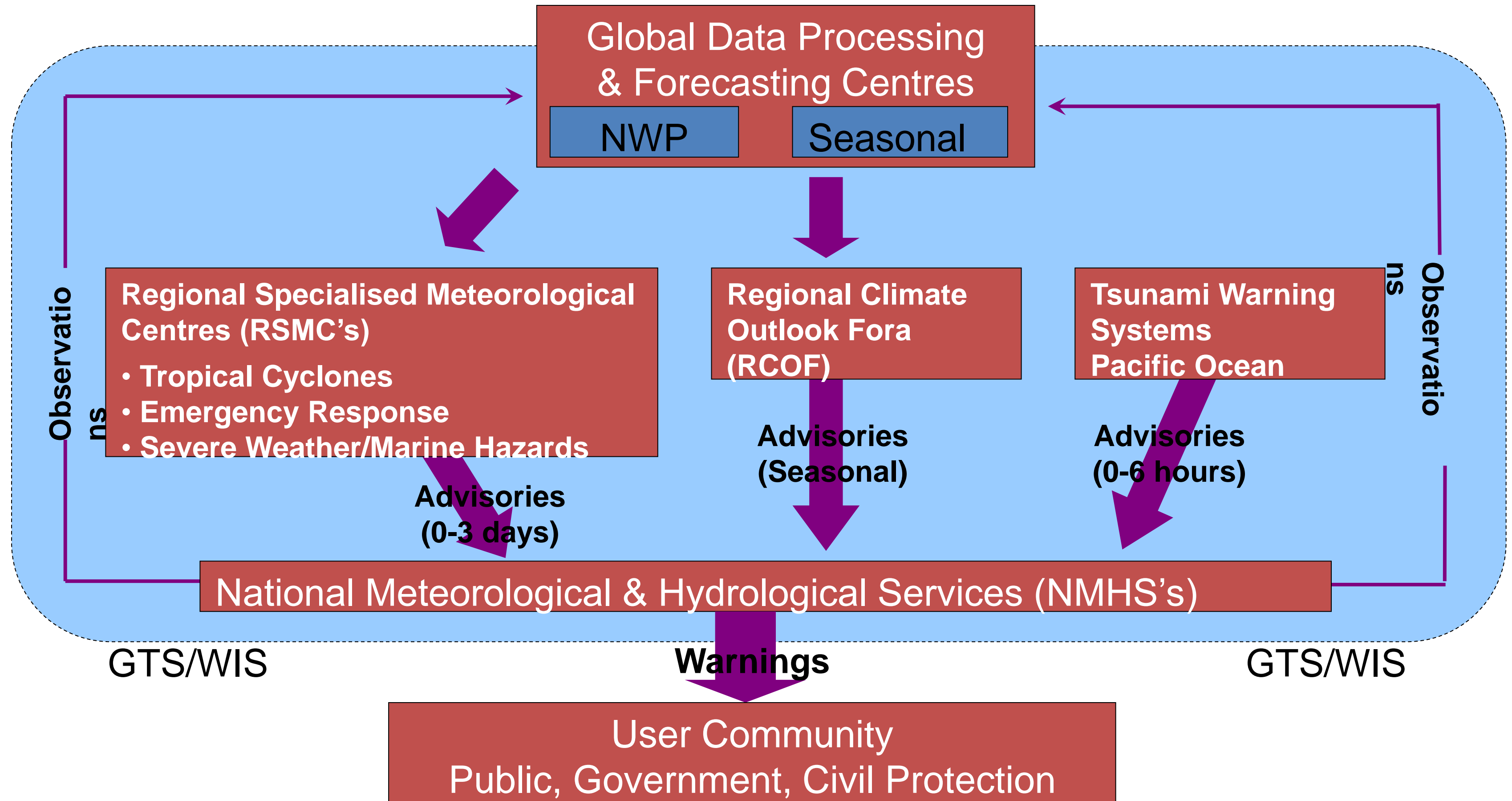


Marine Meteorological and Oceanographic Services

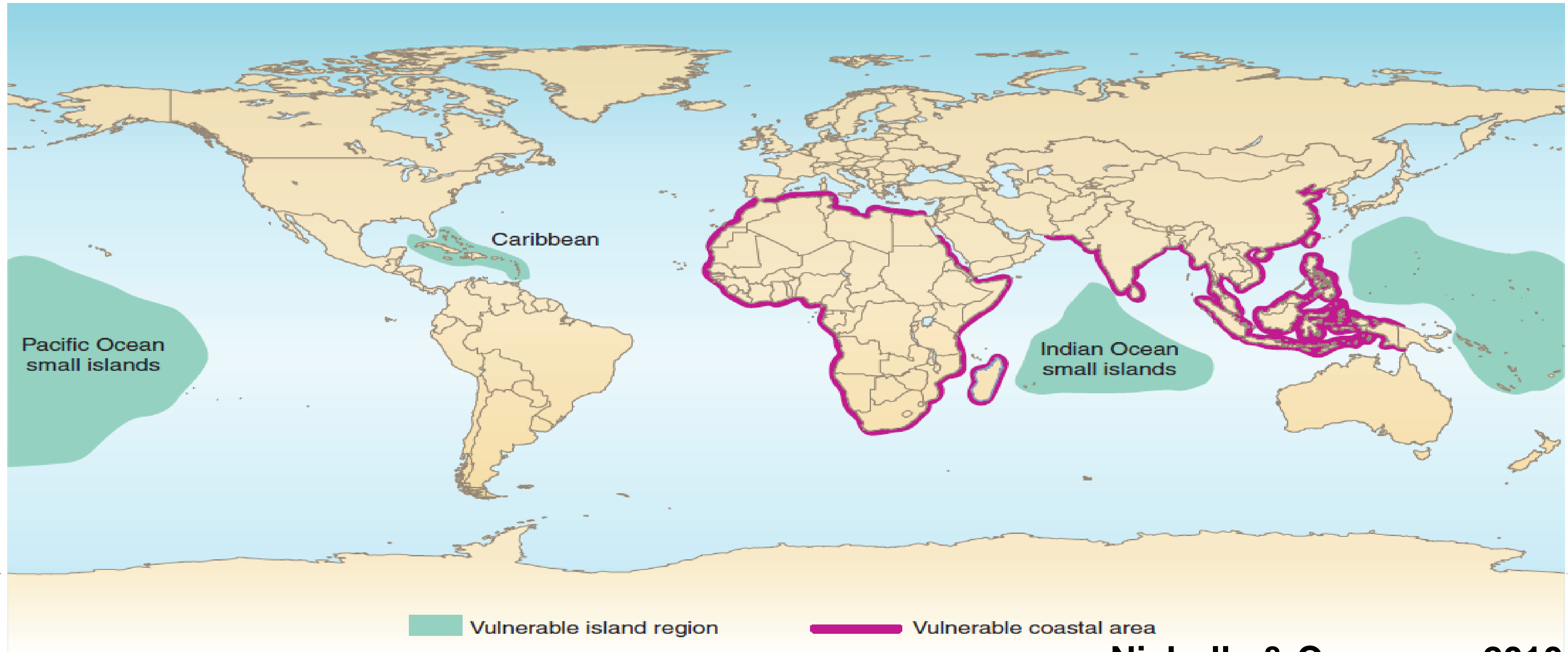
- **Operational oceanography** now a reality
- **Community welfare, socio-economic impacts, hazard mitigation, climate change, marine environment, GFCS....**
- National and international cooperation essential (IOC, WMO, met and ocean



WMO Warning System

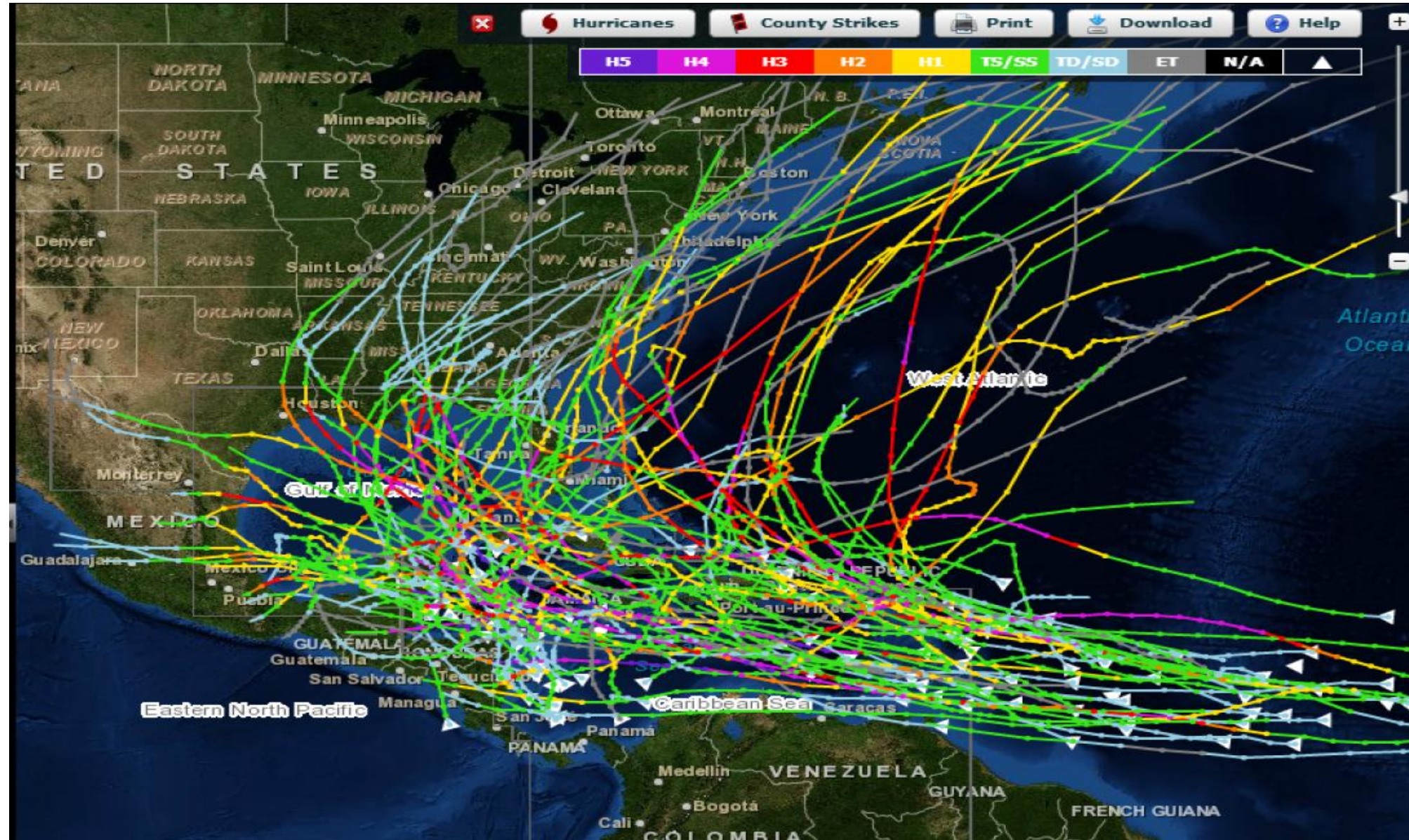


Regions vulnerable to coastal flooding



Nicholls & Cazenave, 2010

Hurricanes



NOAA 2013

Tracks of tropical cyclones that have affected the Caribbean region from 1990 to 2011 and their intensities:

H5–H3: major hurricane

H2–H1: hurricane

TS: tropical storm

TD: tropical depression

ET: extra-tropical storm

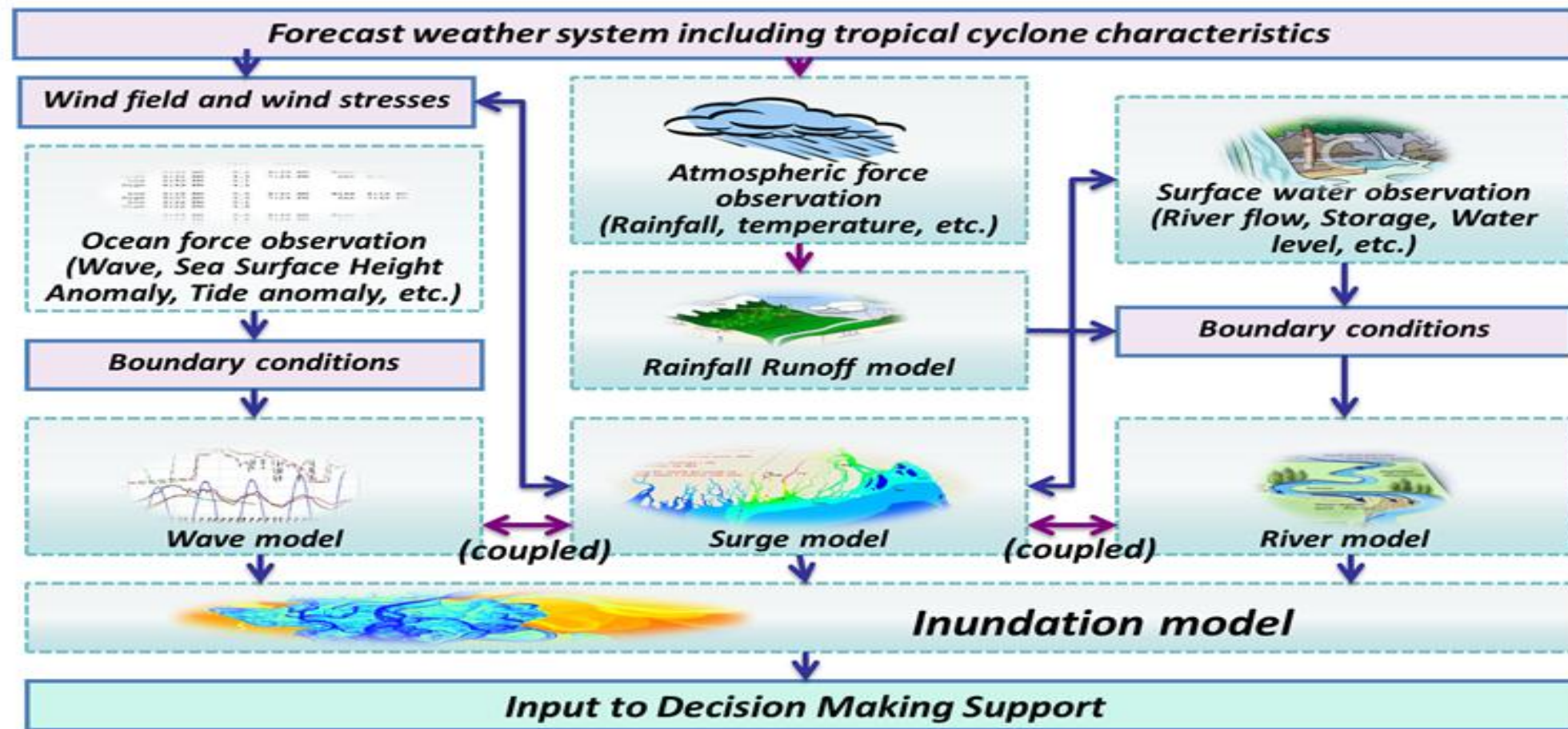
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Flooding

- Flooding the most reported extreme event during 2001-2010
- For many Caribbean countries, flooding the most common natural hazard affecting socioeconomic development
- WMO Flood Forecasting Initiative



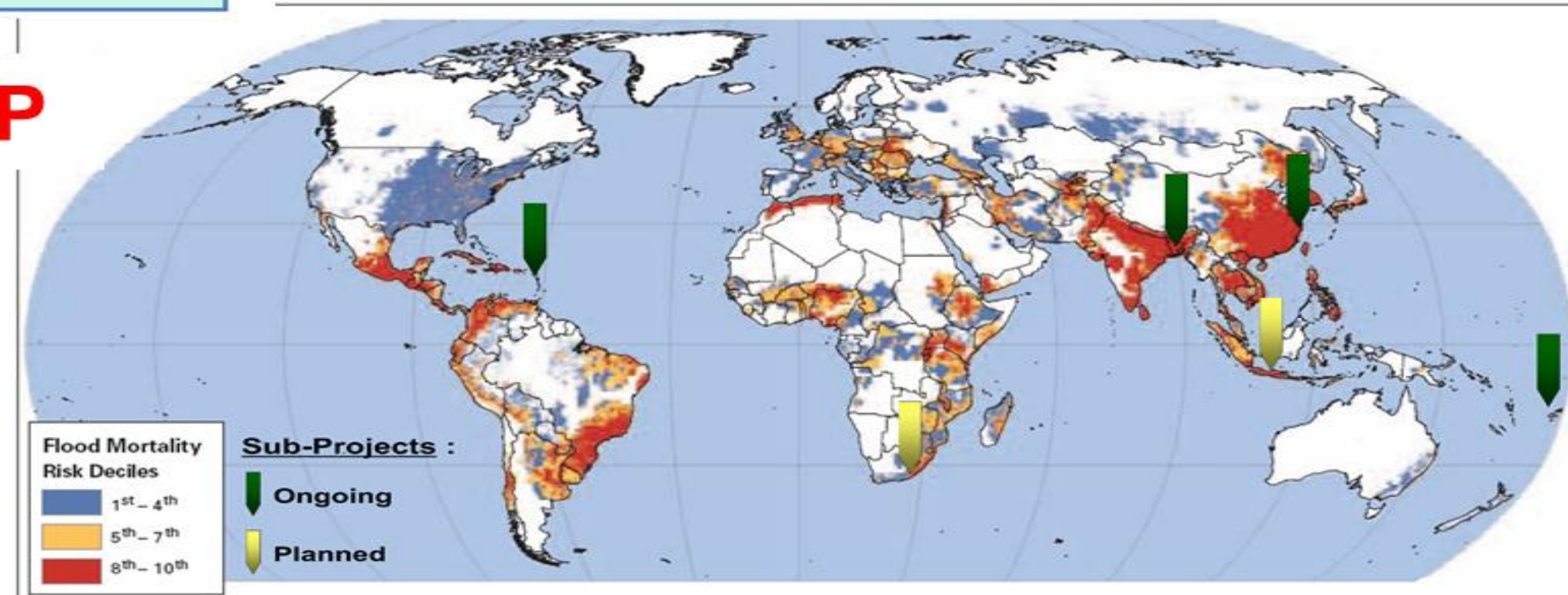
Coastal Inundation Forecasting Demonstration Project (CIFDP)



- To demonstrate how integrated coastal inundation forecasting and warnings can be improved and effectively coordinated by NMHSs
- National capacities development through implementation of National Sub-Projects

<http://www.jcomm.info/CIFDP>

- Linkages with related programmes / projects (SSWS, SWFDP, eSurge, WG-SERA...)



Thank you

