



# **ICPO report**

**Jose Santos.**

**ICPO Executive Director**

# ICPO – Feb 2021

## Distributed offices:

- ICGPO (International CLIVAR Global Project Office):  
Qingdao, China. FIO (2015)
- ICMPO (International CLIVAR Monsoon Project Office): Pune, India. IITM (2015)



José Santos,  
Executive Director, ICPO



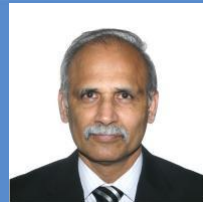
Liping Yin,  
Staff Scientist,



Jing Li,  
Staff Scientist



Qian Zhao  
Administrative Assistant



Rupa Kumar K.  
ICMPO Director



Ashwini Kulkardi  
Senior Scientist



S Mahapatra  
Senior Scientist

# Coordination of groups



ARP  
IORP  
PRP  
EBUS  
SL



GSOP  
TBI



OMDP  
CDP  
SORP  
NORP



MP

# ICPO – May 2021

ICPO (International CLIVAR Project Office): Qingdao, China. FIO-MNR  
July 2019 – June 2024



**José Santos,**  
**Executive Director, ICPO**  
**31 March 2022**



**Liping Yin,**  
**Staff Scientist,**  
**31 August 2021**



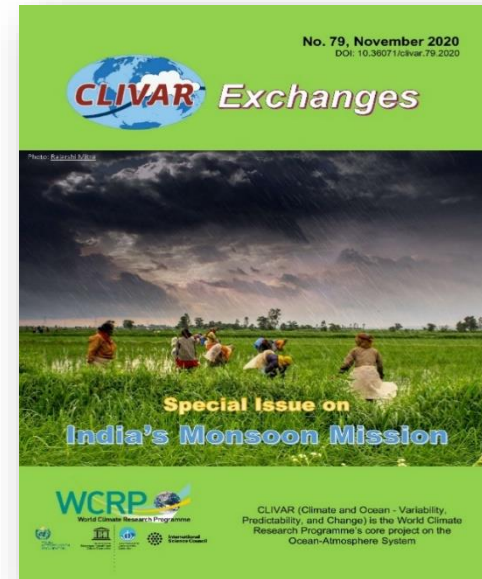
**Jing Li,**  
**Staff Scientist**  
**30 April 2021**



**Qian Zhao**  
**Administrative Assistant**  
**2 November 2021**

# ICMPO Work Highlights

- Support to Publications
  - Exchanges No. 78 (IndOOS) & 79 (India's Monsoon Mission)
  - GEWEX Quarterly No. 30 (Global Monsoons)
- Support to CLIVAR/GEWEX Monsoon Panel
  - 8 teleconferences in 2020
  - Membership update proposals
- Coordination with ICPO through monthly teleconferences & contributions to CLIVAR Monthly Bulletins
- Support to WCRP IP development discussions
- Liaison with WCRP Secretariat, IGPO and other WCRP IPOs
- Support to WMO El Niño/La Niña Update
- Engagement with WMO Climate Services Information System
- Planning of 7th International Workshop on Monsoons (IWM-7, 2022), coordinated by WWRP





# TOWARDS an INTERNATIONAL MONSOONS PROJECT OFFICE (IMPO)

- The WCRP JSC and the WWRP SSC have endorsed the proposal for ICMPO to move towards a more holistic support facility for monsoon research coordination spanning the entire WCRP and WWRP; ICMPO → IMPO...
- IMPO to provide consolidated support to all the monsoon research activities of both WCRP and WWRP, including the relevant expert groups and governing structures, through a much wider portfolio
- A revised draft agreement in final stages of development (the SSG Co-Chairs of both CLIVAR and GEWEX as well as ICPO and IGPO duly consulted in this process)
- IMPO to continue to support CLIVAR interests in monsoons, including its role in the Monsoons Panel
- Current ICMPO tenure extended up to May 2021 to allow time for formalities to be concluded

# Activities at a glance - Meetings

## 1. Meetings organized by ICPO (mostly online):

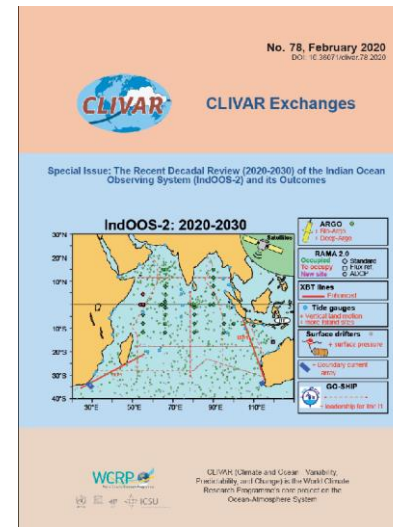
- CLIVAR SSG-25 (in-person)
- CLIVAR community meetings: **4**
- Regular panel/group teleconferences: **54**
- Panel meetings: **2** (IORP-16 & SL GC-5)
- Workshop: **1** (TBI workshop: 205 registrants, 53 posters)

## 2. Meetings/events participated by ICPO staff (mostly online)

- WCRP telecons and online meetings (IPOs & WCRP Secretariat, RFPs, JSC): **25** (over 50 hrs)
- Activities events organised by partners: **13** (about 70 hrs)

# Activities at a glance - publications

- ✓ Renew staff handbook (V 4.0) – Sept. 2020
- ✓ CLIVAR Exchanges: **2**
- ✓ Support SSG/Panel/RF to publish Scientific Papers
- ✓ Reports: **2** (IORP-16 and SSG-25)
- ✓ Telecon notes: **64**
- ✓ Science Highlight: **11**
- ✓ News: **101**
- ✓ Bulletin: **12**
- ✓ Twitter posts: **79**



Exchanges #78 on  
IndOOS-2



Exchanges #79 on  
Indian Monsoons Mission



# Featured Activities (1)

## 1. New Research Foci

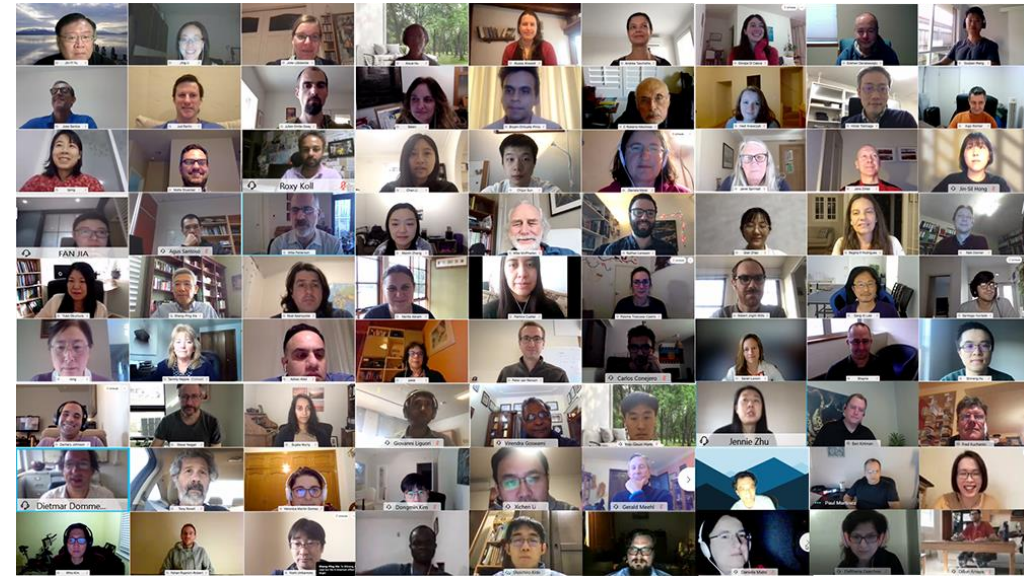
- Launching of Tropical Basins Interaction Research Foci (TBI RF)

## 2. New Task Team - CLIVAR AMOC Task Team

- 3 Telecons with US AMOC ST organised
- Terms of Reference developed
- Initial membership finalised and invitations sent

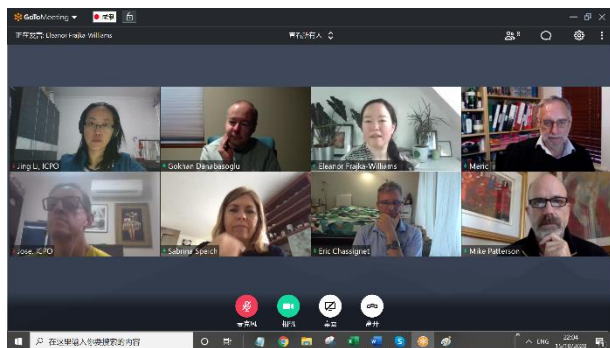
## 3. New Working Groups:

- ENSO Conceptual Model WG initialised under PRP
- Tropical Pacific Decadal Variability WG being proposed by PRP

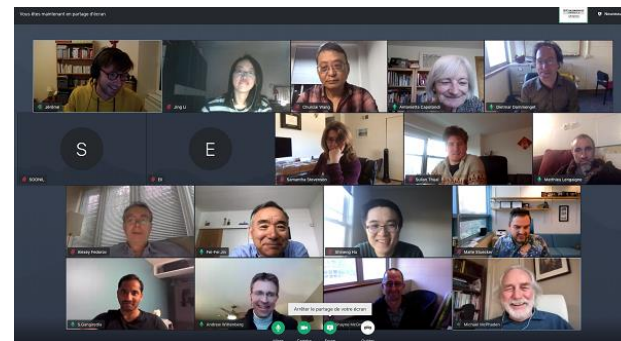


## WCRP-CLIVAR Workshop on Climate Interactions among the Tropical Basins (24-26 February 2021)

- Over 200 participants; 53 posters; 8 plenary talks;
- 1<sup>st</sup> big online event organised by CLIVAR, with multi-platforms applied in plenary, poster and breakout sessions;
- Planned outcomes: CLIVAR Exchanges and workshop report
- Support from US CLIVAR and UCAR.



CLIVAR AMOC Task Team Telecon



ENSO Conceptual Model WG Telecon

## Featured Activities (2)

### Contribution to WCRP Implementation

- Monthly telecons with IPOs and WCRP Secretariat
- Nominating CLIVAR representatives at WCRP Lighthouse Activities (LHA) and Regional Consultation (RC)
- Organise 4 CLIVAR community telecons and mapping exercise to the WCRP implementation
- Secretariat support to the WCRP Climate Research Forum in the Eastern Asia and South America

LHAs	CLIVAR Rep.
Explaining and Predicting Earth System Change	Shoshiro Minobe (CDP)
	Lijing Cheng (GSOP)
My Climate Risk	Mat Collins (SSG)
	Regina Rodriguez (ARP)
Safe Landing Climates	Paulo Nobre (Former WGSIP and ARP)
	Kevin Reed (US CLIVAR SSC)
Digital Earths	Aneesh Subramanian (GSOP)
	Svetlana Jevrejeva (SLGC)
WCRP Academy	Angela Maharaj (nominated by Andrea Taschetto from TBI RF)
	Antonietta Capotondi (PRP)

CLIVAR Representative at LHAs Science Plan Development Group

# CLIVAR Endorsed Projects and Activities

## CLIVAR Endorsed Projects (Ongoing)

- Atlantic Tradewind Ocean-Atmosphere Mesoscale Interaction Campaign (ATOMIC, US) & Ocean-Atmosphere component of EUREC4A (EUREC4A-OA, Europe) (May 2018) – field campaign completed
- Years of the Maritime Continent (YMC) (March 2017)
- South Atlantic Meridional Ocean Circulation - SAMOC (May 2012)
- Northwestern Pacific Ocean Circulation and Climate Experiment - NPOCE (May 2010)
- Climate of the 20th Century International Project - C20C (Dec 2002)

## CLIVAR Endorsed Activities (Ongoing)

- International Workshop for Mid-latitude Air-Sea Interaction: Advancing Predictive Understanding of Regional Climate Variability and Change across Time Scales (Sapporo, Japan), 8-9 and 12-14 June, 2021, supported by CLIVAR Climate Dynamics Panel
- Climate Prediction and Inter-regional Linkages, supported by CLIVAR/GEWEX Monsoons Panel
- Ocean Salinity Conference (New York, USA), 9-12 November, 2021
- Future Directions in Basin and Global High-resolution Ocean Modelling Workshop (Kiel, Germany), 29 September-1 October 2021, supported by CLIVAR Ocean Model Development Panel
- Ocean Heat and Freshwater Storage and Transports in Observations and Climate Models Workshop (Exeter, UK), 2021, supported by CLIVAR/CliC Northern Oceans Region Panel
- SWOT “Adopt-A-Crossover” Consortium (Dec. 2021 – early March 2022)

# Partnership Building

## PICES

- A poster submitted by ICPO;
- Participated in the Physical Oceanography and Climate (POC) Committee meeting and PICES 2020 Annual Meeting (online)



## SCOR

- Assisted WCRP Secretariat to write annual report to SCOR
- Attended China SCOR meeting



## SOLAS

- Participated SOLAS 2021 Annual Meeting with a poster submitted by ICPO
- Participated SOLAS Indian Ocean Meeting with a poster submitted by ICPO



## GOOS

- COVID-19 impacts on observing systems
- Workshop: From global to coastal: Cultivating new solutions and partnerships for an enhanced Ocean Observing System in a decade of accelerating change



## US CLIVAR

- Bi-monthly telecons with the Director of US CLIVAR Project Office
- Support from US CLIVAR for the TBI workshop



# Upcoming Events

- 1. CLIVAR-FIO Summer School on Ocean Macroturbulence and its role in Earth Climate** (**Postponed to 2022**, aiming to be in-person, with virtual participation available) - by ARP
  - Applications that were received already will still be evaluated and there will be another round of accepting applications after the new date has been announced.
  - MOA signing ceremony after the School.
- 2. Third Summer School on Theory, Mechanisms and Hierarchical Modeling of Climate Dynamics: Tropical Oceans, ENSO and their Teleconnections** (**Pending**, originally planned from 3 to 14 August 2020) – by PRP
- 3. CLIVAR multi-region panel workshop on Observing Systems** (**Postponed to 2022**, originally planned on 3-5 May 2021) – Led by Weidong Yu from OOPC (**new coordinator**, to replace Lisa Beal of IORP) and Riccardo from SORP
- 4. International Workshop for Mid-latitude Air-Sea Interaction** (June 8-9 & 12-14, 2021, Online + Sapporo, Japan) – by CDP
- 5. International Workshop on Future Directions in High-resolution Ocean Modelling** (Sep. 29 - Oct. 1, 2021, Kiel, Germany) – by OMDP
- 6. Ocean Heat and Freshwater Storage and Transports in Observations and Climate Models** (October, 2021, Met Office, Exeter, UK) – by NORP
- 7. 2022 Sea Level Conference** (2022. Singapore)



## **Final considerations:**

- Innovative ways for the use of funds
- More active involvement in and contribution to the UN Ocean Decade
- ICPO: in China 75% groups based around the world
- Jose status (ICPO ED since April 2017)