Relationship with International Bodies and Other Relevant On-going Projects

Viewpoints

- 1) Endorsements

 WWRP/WG on Tropical Meteorology Research

 WCRP/CLIVAR Indian Ocean Panel (with GOOS)

 Monsoon Panel (with GEWEX)
- 2) Collaboration
 TPOS2020
 IIOE-2 / EIOURI
 S2S & MJO-TF, ...

WMO/WWRP





WG on Tropical Meteorology has endorsed YMC based on discussion at their annual meeting in Nanjing, China on 27-28 Oct.

They requested the tight interactions with other WWRP's projects (ex. S2S, PPP) for monsoon and modeling study.

They also recommend SSC of WMO/WWRP to endorse YMC. Thus this will be reported in their annual meeting in Geneva, 24-27 November.

WGTMR Chair: Yihong Duan (CMA)

Monsoon Panel Chair: C. P. Chang (NPS)

WWRP Contact: Nanette Lomarda



World Meteorological Organization Organization météorologique mondiale Secrétarint

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> TEMPS - CLIMAT - EAU WEATHER - CLIMATE - WATER

Geneva, 5 November 2015

Dear Dr Yoneyama and Professor Zhang,

I am pleased to confirm that we have received the decisions made by Professor Yihong Duan, Chair of the WWRP/Working Group for Tropical Meteorology Research (WGTMR), and Professor C.P. Chang, Chair of the WGTMR Monsoon Panel, to endorse the proposed Years of Maritime Continent (YMC) Project.

The endorsement is based on the discussions on the proposed YMC Project at the WGTMR Meeting held in Nanjing, China, 27-28 October 2015, during which it was concluded that the first and fifth scientific themes (Atmospheric Convection and Prediction Improvement, respectively) are very much in line with the primary objectives of the WGTMR Monsoon Panel and that of the WGTMR.

It should also be emphasized that the general thrust of the proposal is highly relevant to the research priorities and work programme outlined in the "Strategic Plan for the Implementation of the WMO's World Weather Research Programme (WWRP): 2009-2017.

This endorsement will also be included in the report by WGTMR to the Science Steering Committee of WWRP which will meet here in Geneval from 24-27 November this year.

We look forward to close collaborations of YMC and WGTMR Monsoon Panel Activities.

I wish you all success with your project.

Yours sincerely,

Nanette Lomarda Senior Scientific Officer World Weather Research Programme Research Department, WMO

Need to be RDP or FDP of WMO/WWRP?

RDP (Research & Development Project)

RDP is to undertake the necessary R&D leading to the development and demonstration of improved and cost effective forecasting techniques, with emphasis on high impact weather, and to promote their application among Member States.

FDP (Forecast Demonstration Project)

FDPs are projects that will serve to exhibit and formally quantify the benefits to be derived from improved understanding and enabling technologies. The improved understanding and technological advances, the benefits of which are to be demonstrated, may or may not be a direct consequence of other WWRP activities. FDPs will involve the dissemination of forecast information to real users in real time.

Only Permanent Representative can propose and take this role.

WCRP/CLIVAR-related

GEWEX/CLIVAR Monsoon Panel

Co-chairs: Andy Turner, Paul Dirmeyer

It "was" planned to discuss how to interact with YMC, and they also intended to endorse the YMC with IOP, if the Panel meeting were held in Paris, in mid-November.

CLIVAR/GOOS Indian Ocean Panel

Co-chairs: Jerome Vialard, M. Ravichandran

Discussion on the interaction with YMC will be made at the IOP annual meeting in Goa, 7-8 December. They request to show the summary of oceanic observations and climate-variability related aspects of YMC. They expect the interaction between YMC and EIOURI.

Any Other Else?

By expecting the synergy born from the collaboration, interaction with other projects may provide one avenue to achieve the common goals effectively.

Ex. Tropical Pacific Observing System (TPOS) 2020

IIOE-2 & EIOURI

S2S & MJO-Task Force

Tropical Pacific Observing System (TPOS) 2020 Project

Background

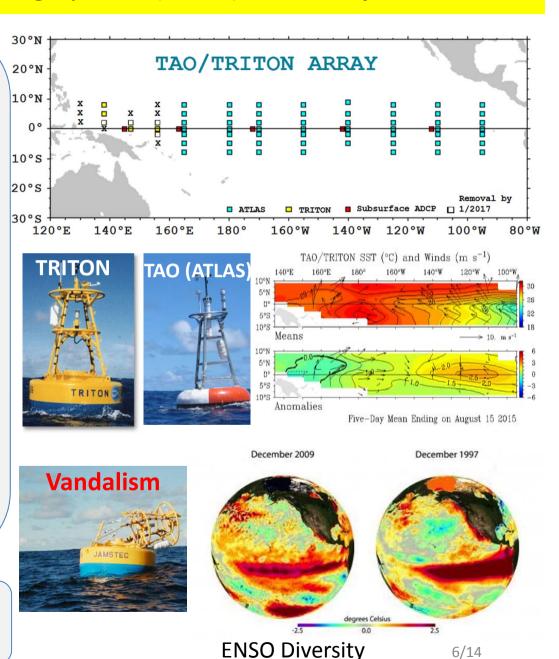
Original TAO surface mooring array (basis of TPOS) was designed to detect ENSO in 1980s.

TAO/TRITON array was completed in 1990s and maintained as multilateral efforts.

Situation has been changed due to technical and scientific problems.

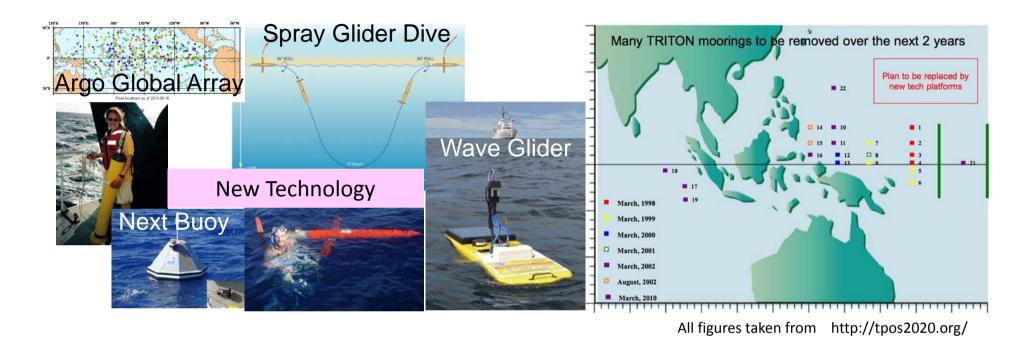
- 1) Vandalism
- 2) Insufficient ship-time
- 3) New technology (not a problem)
- 4) El Nino-modoki

http://tpos2020.org/



Tropical Pacific Observing System (TPOS) 2020 Project

Goal: To redesign and refine TPOS to observe ENSO and advance understanding of its causes.



TPOS Governance

Steering Committee Co-chairs: W. Kessler (NOAA), N. Smith (retired, BOM)

Task Forces Chairs

Backbone Observing System: S. Cravatt

Modeling and Data Assimilation:

Biogeochemistry:

Planetary Boundary Layers:

Eastern Tropical Pacific:

S. Cravatte (Centre IRD de Noumea), S. Wjiffels (CSIRO)

A. Kumar (NCEP)

P. Strutton (Univ of Tasmania), **A. Sutton** (NOAA)

T. Farrar (WHOI), M. Cronin (NOAA)

K. Takahashi (Instituto Geofisco del Peru), B. Kessler (NOAA)

Tropical Pacific Observing System (TPOS) 2020 Project

[Action 27]

The Steering Committee agrees to create a joint Working Group with YMC, with the scope and membership as above and subject to agreement with the YMC, and reporting through the PBL [PBL TT Co-Chairs proposal to YMC through Weidong Yu, Nov 2015].

---> Members: Chidong Zhang, Chris Fairall, Harry Hendon,

Ken Ando, Yukio Masumoto, Iwao Ueki, Jae Hak Lee,

Meghan Cronin, Tom Farrar

[Action 28]

An elaborated outline of possible joint work on the YMC to be developed [PBL TT Co-Chairs, Mar 2016].

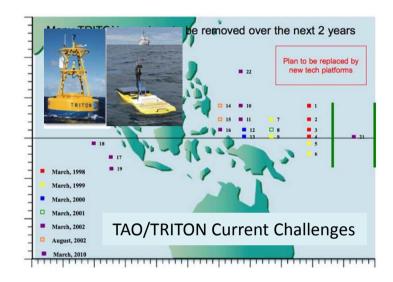
---> ? YMC will be a pilot study for TPOS ...

On-going & Planned Multilateral Projects



GO-SHIP

Repeat hydrography for global climate change study based on direct measurement using ships



TPOS

Redesign & refinement of observing system based on modern science & new technology