

Meeting Minutes

CLIVAR/GEWEX Monsoons Panel

MEETING INFORMATION

Meeting Number	2022-1	Meeting Title	CLIVAR-GEWEX MP Teleconference
Objective/Purpose	Discuss the Agenda Items below and progress on action items		
Time & Date	08 June 2022 05:30-07:00 UTC	Venue	Microsoft Teams Video Tele-Conference

MEETING DETAILS

Chairperson(s)	Leila Carvalho and Suryachandra Rao Anguluri (MP Co-Chairs)	Rapporteur(s)	Leila Carvalho, Rupa Kumar and Somnath Mahapatra
Attendees	MP: Leila Carvalho, Suryachandra Rao Anguluri, Gill Martin, Ajay Mohan Ravindran, Renguang (Randy) Wu, Annalisa Cherchi, Mary Kilavi, Rondroliana Barimalala, Thea Turkington, Pankaj Kumar IMPO: Rupa Kumar Kolli, Sushmitha Joseph, Somnath Mahapatra, IITM-IMPO IT-Cell		
Apologies	MP: Mouhamadou Bamba Sylla, Mary Kayano, Shabehul Hassan, Salvatore Pascale		

ACTIONS

Deadline	Action	Responsible
30 June 2022	Update the contents of webpages and websites of Monsoons Panel	MP Co-Chairs & members
Ongoing	Continue to build connections with other panels/partners and Light House Activities (LHA) of WCRP, and make strong linkages with partner projects (e.g., GPEX Tiger Project: Annalisa, IORP: Surya)	MP members & Co-Chairs
ASAP	Advise Working groups to include Early Career Scientists (including ECSs from Global South) in their activities.	MP Co-Chairs
As and when required	Communicate WCRP Academy about various capacity building activities of the Monsoons Panel and its Working groups.	MP Co-Chairs
ASAP	Prepare a Report for SPARC, highlighting relation of Monsoon circulations with stratosphere	MP members & Co-Chairs

Deadline	Action	Responsible
ASAP	Submit proposals for UN Ocean decade, and advise regional WGs members for submitting proposals for the same, and then seek endorsement for those	MP members & Co-Chairs
ASAP	Decide the common elements in the 3 regional Working Groups of MP to bring some synergy amongst them, and provide some high level guidance	MP in consultation with WGs
By 2022 end	Organize an online Conference for virtual meeting of PAN-Working Groups with Monsoons Panel, to discuss on some commonalities among various Monsoons systems	MP and IMPO, in consultation with WGs
By 2022 end	Coordinate with regional Working groups to come up with some document for Monsoons of Asian-Australian, African and American regions.	MP members & Co-Chairs
By 2022 end	Prepare Annual Report of MP for 2022, highlighting group activities	MP Co-Chairs
As and when requested by MP Co-chairs	Send doodle poll for the next meeting by teleconference	IMPO
As and when required	Inform ICPO and IGPO about Membership changes in MP	IMPO

AGENDA AND KEY OUTCOMES

No	Description
1	Opening remarks (Leila, with a welcome to new members) <ul style="list-style-type: none"> Leila Carvalho, continuing Co-Chair, welcomed the new members of MP and all others, in the first meeting of Monsoons Panel of 2022 (2022 MP-1)
2	Round of Self-Introductions (of new MP members and others) <ul style="list-style-type: none"> New Co-Chair Suryachandra Rao Anguluri attended the MP meeting; Three new members, namely Ajay Mohan Ravindran, Annalisa Cherchi, and Thea Turkington attended the MP meeting for the first time; All of them introduced themselves, providing a brief of their professional background and indicating their potential contributions to the MP's work; The new members were warmly welcomed by the participants. All other participants also introduced themselves briefly Two new members Shabehul Hassan and Salvatore Pascale were not present in the meeting.
3	CLIVAR SSG-27 Feedback (Surya) <ul style="list-style-type: none"> Suryachandra Rao Anguluri, new MP Co-Chair, discussed about the feedback received from CLIVAR SSG-27, who met during April 2022; CLIVAR SSG advised Monsoons Panel for continuing to build connections with other panels/partners and Light House Activities (LHA) of WCRP and to make strong linkages with partner projects (e.g., GPEX Tiger Project: Annalisa; IORP: Surya, etc.). SSG insisted that Early Career Scientists (ECS) be included in Working groups (including ECSs from Global South). Panel Co-chairs should communicate WCRP Academy about various capacity building activities of the Panel and its Working groups.

	<ul style="list-style-type: none"> Panel should seek the endorsement of UN Ocean decade (proposals are sought from WGs and members of MP). MP should continue to publish and share scientific outcomes with others (e.g., 2 Special issues if CLIVAR EXCHANGES were published recently and shared with stakeholders). SSG was very much interested with other activities, like SASCOF, S2S, etc. Monsoons Panel should coordinate with its Working groups to come up with some document for Monsoons of Asian-Australian, African and American regions.
4	<p>Updates on WGs:</p> <p>(A) Status & plan for WG-AAM: RWG on Asian-Australian Monsoons (Gill)</p> <ul style="list-style-type: none"> Gill Martin, Co-Chair WG-AAM, provided a brief overview of the current status of WG-AAM; During recent teleconference of WG-AAM on 30 May 2022, Tieh Yong was endorsed as Co-Chair of WG-AAM, as proposed by Dr. H. Annamalai, Member & former Co-Chair of WG-AAM; Updates of 3 Subgroups of WG-AAM, respectively on Monsoon processes and teleconnection (Surya, Lin), R2O for monsoon seasons in SE Asia (Tieh Yong, Thea) and High impact weather events (Partha, Kieran) were discussed briefly; and Updates of SASCOF, ASEANCOF & AOGS session were presented briefly. Members informed important news. <p>(B) Status & plan for WG-AFM: RWG on African Monsoons (Rondro)</p> <ul style="list-style-type: none"> Rondroliana Barimalala provided a brief overview of the current status of WG-AFM; WG-AFM has been re-established with Claudine Wenhaji Akintomide Akinsanola as the 2 Co-Chairs, and there are 17 Working Group members in WG-AFM, based on different regions (Western/Central/Eastern/Southern & Pan African) of African continent; In its recent online meeting, it was discussed what WG-AFM is going to focus for African monsoon research, this will be presented as a review paper for analyses and for providing future directions. One workshop is planned to be organized for capacity building, especially for Early career scientists. <p>(C) Status & plan for WG-AMM: RWG on American Monsoons (Leila)</p> <ul style="list-style-type: none"> The new Working Group on American Monsoons has been re-established, but there has been no meeting of WG-AMM in recent months. Alice Grimm, Co-Chair of WG-AMM, coordinated two sessions in Climate Action, emphasizing Climate Change & its adverse impacts. She also participated in IMW-7 (Seventh International Monsoon's Workshop) in March 2022 and presented an invited talk.
5	<p>Update on IMPO (Susmitha)</p> <ul style="list-style-type: none"> Susmitha Joseph, Officer-in-Charge IMPO, presented brief updates about IMPO, hosted at IITM Pune India. International Monsoons Project Office (IMPO) was established at IITM Pune on 30th July 2021, as an agreement between Secretary General, WMO and Director, IITM, with kind support from the Ministry of Earth Sciences (MoES), Govt. of India. A high level launch event was organized on 28th February 2022 (coinciding with National Science Day of India) to launch IMPO, as a nodal office for both WCRP & WWRP for Monsoons research. An online International training Workshop on Sub-seasonal to Seasonal (S2S) Prediction was organized by IMPO during 1-12 November 2021, with support from WWRP, WGTMR, WCRP & MoES (IITM & IMD). IMPO was supported the organization of first forum of SACRF (South Asian Climate Research Forum) on 30th November 2021 and IMW-7 workshop during March 2022. IMPO has coordinated reestablishment of regional Working Groups of Monsoons Panel in the new forms, as well as provided lot of support to various activities of Monsoons Panel. Leila Carvalho, Co-Chair of MP and Rupakumar, Honorary Scientist, IMPO recorded their appreciations for IMPO.

Open Discussion on MP Work Plan

(A) Review of ToRs and Work Plan elements (Lead: Leila)

- Leila Carvalho provided a brief review of Terms of References (ToRs) of Monsoons Panel (available at <https://clivar.org/clivar-panels/monsoons>) and advised MP members to prepare work plan elements for this year's activities accordingly. As ToRs are generic, Rupa Kumar advised MP to prioritize some points initially from the Annual Work Plan, to address the deliverables. He suggested MP to upload all Presentations & Annual Reports to the Shared Google Drive

<https://drive.google.com/drive/folders/1E9IZ-TVzKUyw-oV9E5399xIQgtvsdWHr?usp=sharing>

- RupaKumar informed that WCRP was requested for some funding, but there is no updated information about availability of funding or extent of resources, which may (or may not) be available, hence better to continue and sustain online meetings, in absence of physical meetings. He suggested that MP can think about some kind of Action oriented recommendations, to find how MP can progress with its activities.

(B) Coordination of WGs (Lead: Surya)

- Suryachandra informed that CLIVAR SSG has highlighted about deciding the common elements in the 3 Working Groups and suggested MP to bring some synergy to regional Working Groups and provide them some high-level guidance. So, MP needs to decide actually how to coordinate the activities of WGs, taking them in confidence. He suggested to conduct a PAN-Working Group Meeting with Monsoons Panel, to discuss on some commonalities among various Monsoons systems, e.g., relation with global Tele-connections (like ENSO). The meeting can be organized within next 6 months. He informed that the idea of organizing of an online meeting of PAN WG (3 WGs of MP) along with MP, was well appreciated by CLIVAR-SSG also, and this activity can lead to some fund generation also. He requested members to look into the documents & presentations shared by him in the given link, to have a broader idea of contributions by MP and try to avail funds by highlighting those contributions. Funds will not come easily, but persistent efforts will lead to some success. The first step can be the PAN WG meeting along with MP

(C) Identification of key deliverables (Lead: Gill)

- Martin Gill suggested that MP can take inputs from Regional WGs & facilitate their activities, as per key deliverables of MP. Towards the issue of Annual Reports, she suggested that individual reports should be avoided and emphasis should be given on group activities. Panel's expertise may be shared in different forum, especially for capacity building purposes, and through e-mail communications. Preparation of articles and useful documents are manageable within short period of time. There can be cross-co-ordinations as well.
- Suryachandra supported her view of bringing expertise together and mentioned that the members of Monsoons Panel have volunteered for providing expertise in various occasions. Leila agreed with the viewpoint of Gill, but reminded that for happening of these, some grants (funding) and collaborations will be needed. Innovative ideas should be encouraged through fundings and necessary resources.
- Rupakumar advised to make the works of Monsoons Panel more visible, by continually updating the relevant web-pages and making necessary refinements in the texts in the webpage of MP. He informed that IMPO has its own webpage & website, where many scientific contents are kept and various activities are updated. Just like CLIVAR/ GEWEX have newsletter (e. g. CLIVAR EXCHANGES for CLIVAR), MP can have its own Newsletter, to highlight its recent activities, Workshop ideas of MP & about activities of its regional WGs. To plan any online Workshop, MP can form a small Task Force, to plan and coordinate with IMPO for organizing that workshop. There are some difficulties for joining people from all

	<p>different time zones, but some suitable time (for about 1 hour 30 minutes duration) can be selected for such workshop through checking mutual conveniences, and can be planned once in 2 months.</p> <p>(D) Cross-cutting activities (e.g., SPARC, WCRP LHA, WWRP/WG-TMR, etc.) (Lead: Leila)</p> <ul style="list-style-type: none"> Leila reminded the MP members about preparation of a Report for SPARC (website: https://www.sparc-climate.org/), as decided by MP recently, since stratospheric research relates with Monsoon, e.g., Asian Summer Monsoon perturbs the stratosphere. SPARC is interested to collaborate with MP, especially with its WG on Asian-Australian Monsoons. Topics like, convection, water vapour transport to Stratospheric levels, etc. may be considered. Leila emphasized to work with the LHA activities of WCRP, which promote research for the future. Also, the Working Group on WWRP Tropical Meteorology Research (WGTMR) works in association with WCRP, and IMPO has supported such collaborative efforts through organization of an online International Workshop on S2S prediction in November 2021 (details at https://impo.tropmet.res.in/iwm7training.php). Dr. Yukari Takayabu of WGTMR feels that tremendous advancement occurred in recent years for Weather-to-Climate scale research (e.g., S2S prediction), however its operational utilization is confined only to some places. She mentioned that Regional Monsoons are the key activity for Monsoons Panel, working through the 3 Working Groups of MP. She also mentioned about an upcoming Conference at Lisbon, Portugal in September 2022 and felt that MP can highlight its activities there. Surya informed that he can attend that meeting.
7	<p>Date/time of next meeting (Lead: Surya/Leila)</p> <ul style="list-style-type: none"> Leila summarized the main points of the discussion and emphasized to update the webpage of MP properly on a priority basis. She thanked all for their presence in this meeting. Surya & Leila decided that the next meeting of MP will be conducted during August 2022, MP will coordinate with IMPO for finalizing the date through doodle poll.
8	<p>Any other business</p> <ul style="list-style-type: none"> Pankaj Kumar suggested that a side event may be kept for MP, during the forthcoming TROPMET-2022 Conference, which will be organized at IISER, Bhopal located in central India. He wished that some members of MP to come & participate in this event, where large number of scientists & researchers gather to showcase their recent research outputs through oral & poster presentations.

NEXT MEETING

Meeting Number	2022-2	Meeting Time & Date	In August 2022, IMPO to send doodle poll
Location	Video conference, details of meeting to be sent out		