



Minutes of CLIVAR/GEWEX Monsoons Panel Meeting

MEETING INFORMATION

Meeting Number	2024-3	Meeting Title	CLIVAR/GEWEX Monsoons Panel Meeting
Objective/Purpose	Discuss on the Agenda Items and progress on action items		
Time & Date	04 April 2024 16-17 UTC	Venue	Microsoft Teams Video Conference

MEETING DETAILS

Chairperson(s)	Leila Carvalho & (MP Co-Chair)	Rapporteur(s)	E.N. Rajagopal
Attendees	MP: Leila Carvalho, Annalisa Cherchi, Rondrotiana Barimalala, Ajaya Mohan Ravindran, Jhan-Carlo Espinoza, Satyaban Ratna WCRP Secretariat: IMPO: E.N. Rajagopal		
Apologies	MP: Suryachandra Rao Anguluri, Hiroshi Takahashi, Hui Su, Samson Hagos, Thea Turkington, Ruth Cerezo-Mota, Shabehul Hassan, Salvatore Pascale WCRP Secretariat: Hindumathi Palanisamy IMPO: Susmitha Joseph, Rupakumar Kolli, Somnath Mahaptra		

ACTIONS

Deadline	Action	Responsible
As and when required	Updating of contents of webpages and websites of Monsoons Panel, populating the IMPO webpage with more information on the activities of panel and WGs.	MP & IMPO
Ongoing	Continue to build connections with other panels and Light House Activities (LHA) of WCRP and make strong linkages with partner projects.	MP members & Co-Chairs
Ongoing	MP members to participate in WG meetings of their interest and collaborate on any activity.	MP members & Co-Chairs
24 April 2024	Organisation aspects of the joint WCRP/WWRP MP Webinar American Monsoons	WG-AMM, IMPO & WCRP Sectt.
30 April 2024	Finalize and communicate the list of volunteers for the cross-panel activities with the Pacific Region Panel and OMDP for improving model ENSO teleconnections	MP & IMPO

Deadline	Action	Responsible
16 May 2024	Send doodle poll for the next online meeting of MP, preferably in the 2 nd week of June 2024	IMPO
7-12 July 2024	Active in-person participation in the monsoon sessions and other weather & climate sessions of 9 th GEWEX OSC at Sapporo, Japan	MP members, WG-AAM & IMPO
11 July 2024	Active participation in the In-person meeting between MP & WG-AAM at 9 th GEWEX OSC, Sapporo, Japan	MP members, WG-AAM & IMPO

AGENDA AND KEY OUTCOMES

Sl. No.	Description
1	<p>Opening Remarks (Leila):</p> <ul style="list-style-type: none"> Leila (Co-Chair) welcomed all MP members and IMPO member present in the meeting. A screenshot of the in-progress online meeting can be found in Appendix-I.
2	<p>Updates from the Regional Working Groups: (A) WG on Asian-Australian Monsoons [WG-AAM]: - (Rajagopal)</p> <p>1) Activity Highlights of the Sub-Groups (SG):</p> <ul style="list-style-type: none"> SG1: Monsoon Processes and Teleconnections: <ul style="list-style-type: none"> This subgroup activity has stalled somewhat but members have volunteered to join the cross-panel activity on tropical ocean basin interactions with the Pacific Region Panel and OMDP (Ocean Model Development Panel) (see below). SG2: R2O for monsoon seasons in SE Asia: <ul style="list-style-type: none"> Have started working on a journal article on our concept for the regional monsoon index for Southeast Asia, as well as also made advances on improvements to the index as well (follow up work). SG3: High impact weather events: No update <p>Other Activities:</p> <ul style="list-style-type: none"> GEWEX Article on Monsoons 2022-2023 <ul style="list-style-type: none"> A small group of WG members is advancing this article with a view to submitting mid-June. The group is meeting monthly, and a first draft has been completed. GEWEX OSC (July 2024) <ul style="list-style-type: none"> 4 WG-AAM members are being funded (or part-funded) by CLIVAR/GEWEX to attend this meeting. In total, 10 WG/MP members will attend the conference. Others (including the WG co-chairs) who are unable to attend in person will join the proposed joint MP/WG-AAM meeting which will (need to) be hybrid and at a suitable time/day. <p>Next full WG meeting:</p> <ul style="list-style-type: none"> Our next full WG meeting will be held on Thursday 2nd May and will serve as an AGM for the WG. Many members are due to rotate off at the end of 2024, and we are also due to rotate off one of the co-chairs. We will discuss succession planning and identify any members who would like to rotate off in December and who wishes to extend their membership. The latter will be determined based on commitment to engagement and activity in the WG. We will also discuss our plans for the coming year, including our current subgroups and any required changes to topics/format. We have several regular WG attendees who are part of the MP rather than the WG. Can those people we considered as fully part of our membership without the need for paperwork?

	<p>Comments from members:</p> <ul style="list-style-type: none"> ○ <i>Rajagopal:</i> It may be helpful if MP members who are participating in the working group meetings can also be considered as members of that group. <p>(B) WG on African Monsoons [WG-AFM]: - (Rondro)</p> <p>1) Activity Highlights:</p> <ul style="list-style-type: none"> • WCRP/WWRP Monsoon webinar series – African Monsoon took place on March 06th, 2024. Speakers: Michela Biasutti and Samson Hagos; Chairs: Rondro, Aknisanola; Attendees: 74. • UCAR Africa initiative: A couple of the WG members are involved in the UCAR Africa initiative https://www2.acom.ucar.edu/ucar-africa-initiative initiative. On March 21st and 22nd, the UCAR Africa initiative group will organize a workshop and AAA is leading the climate section. Samson is also involved in the activity. • Review paper on African rainfall will be submitted to the special issue on Global and Regional monsoon <i>in Advances in Atmospheric Sciences</i>. <p>(C) WG on American Monsoons [WG-AMM]: - (Ruth - Absent)</p> <ul style="list-style-type: none"> • There is no update in the Monsoons Panel Notebook. Ruth will be requested again to update the Notebook. <p>Comments from members:</p> <ul style="list-style-type: none"> ○ <i>Leila:</i> Have not received any message from WG-AMM. The webinar is one of the activities that is going to held on 24th April 2024. Inputs on Activity highlights this is always a problem with this working group. There is a lack of communication and how to improve it? ○ <i>Rajagopal:</i> Today's MP meeting was scheduled as per the convenience of American continent members and still Ruth has not turned up. ○ <i>Jhan-Carlo:</i> It is important to give more publicity to the webinar because this is very interesting for lot of people. ○ <i>Rajagopal:</i> We are going to come out with the first advertisement next week. We will advertise in many places like WCRP Academy, IMPO webpage, all the WCRP email networks. You can also forward it to anybody.
3	<p>Updates from IMPO (Rajagopal):</p> <p>1) Activity Highlights:</p> <ul style="list-style-type: none"> • Played a key role in the successful organization of the third Joint WCRP/ WWRP Webinar Series on African Monsoons held on 6th March 2024, which featured talks by eminent scientists, Prof. Mitchela Biasutti and Dr. Samson Hagos. Drs. Rondro and Akinsanola (Co-Chairs, WG-AFM) co-chaired the webinar. <ul style="list-style-type: none"> ○ Out of the 138 registered attendees, 74 attended the webinar. ○ Played a key role in advertising the webinar in IMPO Events Page, WCRP Academy Catalog and through the various group e-mails. ○ Video recording of the webinar was also made available on IITM YouTube Channel at https://www.youtube.com/watch?v=l7kAyFR_75o which already has 130 views • Finalized the MP 2024 Membership invitation letters to 3 new & 3 tenure extended members and thanking letters to outgoing 3 members. The same was send out on 5th February 2024 on the receipt of approval from GEWEX and CLIVAR SSGs. • Updated MP's Cross-panel activities/opportunities for seeking volunteers from MP & WGs and the same was shared with MP & WG members. • IMPO organized a Special Meeting between MP and WG-AMM on 20th February 2024 during 16-17 UTC. • IMPO participated in IPOs & WCRP Secretariat Group meeting during 6:30-8:15 PM on 4th March and highlighted the activities of IMPO/MP during the reporting period.

	<ul style="list-style-type: none"> • IMPO actively involved in the abstract selection process for the Monsoon Session in GEWEX OSC (to be held in Sapporo, Japan during 7-12 July 2024). <i>Surya is the main convenor of the Monsoon Session.</i> • IMPO was involved in the first organizational meeting on IWM-8 on 15th Feb 2024, which will be now organized by IITM, IMD and IMPO during 17-21 March 2025 at IITM. <ul style="list-style-type: none"> ○ Subsequently, IMPO was also involved in identification of members for the various committees of IWM-8, broad scientific themes of the workshop and in the organization of the first meeting of IWM-8 ISC Co-chairs on 2nd April 2024. • IMPO played a key role in the finalization of the fourth Joint WCRP/WWRP MP webinar on American Monsoons to be held on 24th April 2024 at 17:30-19:00 UTC. The webinar speakers are: <ul style="list-style-type: none"> ○ Prof Pedro Leite da Silva Dias (University of São Paulo, Brazil): <i>“Challenges for the South American monsoon predictability”</i> ○ Dr. Salvatore Pascale (University of Bologna, Italy): <i>“The North American monsoon: current scientific issues and perspective for the future”</i> • IMPO has played a key role towards the organization of the International workshop on Stratosphere-Troposphere Interactions and Prediction of Monsoon weather EXtremes (STIPMEX) to be held during 2-7 June 2024 at IITM. <ul style="list-style-type: none"> ○ IMPO coordinated with WWRP Secretariat for the release of travel support for 9 international Invited Speakers to the workshop under the theme “Prediction of Monsoon Weather Extremes” <p>2) Future Activities:</p> <ul style="list-style-type: none"> • Finalization of the MP Annual Report 2023 for GEWEX SSG. • Organization of the fourth Joint WCRP/WWRP MP Webinar on American Monsoons on 24 April 2024 during 17:30 –19 UTC • Active involvement in the organization of STIPMEX during 2-7 June 2024 at IITM, Pune <p>Comments from Members:</p> <ul style="list-style-type: none"> ○ <i>Annalisa:</i> Is there a chance for MP members to be involved in IWM-8? ○ <i>Rajagopal:</i> The Co-chairs of the International Scientific Committee (ISC) had a meeting recently to discuss about the composition of ISC. Some of the MP/WG members were proposed as members to ISC by IMPO. It may be finalized in their next meeting on 17th April. The organisers are expecting support of MP/WG members in IWM-8 just as in the case of IWM-7. ○ <i>Annalisa:</i> Will there be also a chance to ask for travel support, if needed, by the Members? ○ <i>Rajagopal:</i> The last workshop was totally online. I do not know how the financing was done in the previous in-person IWM-6 held in China in 2017, I need to find out how it was done in IWM-6. This matter came up in the last meeting of ISC Co-chairs and will be taken up with WMO/WWRP and WCRP. The details of financial aspects have not been worked out yet. Shall update as and when things are clearer.
4	<p>Discussions on Monsoon Session and In-person meeting in GEWEX OSC-2024 (Rajagopal)</p> <ul style="list-style-type: none"> • In GEWEX OSC there will be a session on monsoons and an in-person meeting. We expect about 10 members from MP and WG-AAM to attend. 3 members from WG-AAM will be supported with GEWEX funds and 2-3 MP members by CLIVAR funds. Few members from China, Hong Kong and Japan will attend with their own funds. Surya will be attending as he is the convenor of monsoons session. • Initially, the In-person MP meeting was planned 13th July, one day after the conference. As members are raised concern about staying longer at Sapporo, we have contacted IGPO for having a slot in the late evenings during the conference days, which they have subsequently confirmed as 11th July 2024. • Regarding the monsoon session, initially there were two sessions, which have been merged into 1. There were a lot of abstracts (28) have been accepted and I think there

	<p>will be about 8-9 oral papers and rest will be in posters. These details will be evolving slowly, and we will update.</p> <p>Comments from Members:</p> <ul style="list-style-type: none"> ○ <i>Annalisa:</i> If the MP meeting is hybrid like the one in Kigali, some of the members can join if the time is convenient. ○ <i>Rajagopal:</i> The MP meeting will be hybrid just as it was in Kigali last October.
5	<p>Open Discussion on the ongoing MP & WG activities (All)</p> <ul style="list-style-type: none"> • <i>Satyaban:</i> The Indian Meteorological Society (IMS), the Pune chapter, which has been organising the annual monsoon workshop for the last 25 years, generally after the end of the monsoon. Various scientific communities within India review the monsoon forecasts, observed characteristics and its impact on society. Recently I took charge of the Secretary of the Society and very recently (18th March) this Annual Monsoon Workshop was conducted. During the open discussion of this monsoon workshop, many members have advocated that we should involve the international monsoon experts and as well as the Monsoons Panel in the annual workshop. • <i>Satyaban:</i> How the MP can be involved with this IMS Annual workshop? We want to organise the next annual monsoon workshop jointly with the MP. • <i>Leila:</i> So, if I understand this is a workshop that you organise every year and you are asking for MP and WG-AAM members to get involved with it. • <i>Rajagopal:</i> This year it was not hybrid. For the international community to join it must be hybrid, hence ensure this happens from the next year onwards. • <i>Satyaban:</i> This workshop, mostly discussed on how the models performed, all the operational models are discussed, including extreme events, how they were predicted, etc. are all discussed by the modelling centres and then the final forecast, how they perform was described by IMD. I can share the agenda of the workshop and members can browse to get an overall idea of this monsoon workshop. There is a dedicated website created for this workshop, in which the agenda and presentations are uploaded. The webpage link is https://www.imdpune.gov.in/imsp/amw23.php • <i>Ajaya:</i> There were some discussions within WG-AAM on how to compare the predictions of monsoon 2022 and 2023, but that is not an Indian monsoon alone, but all the monsoons. • <i>Satyaban:</i> IMD's Regional Climate Centre, Pune, organises South Asian Seasonal Climate Outlook Forum (SASCOF) for the all the 9 South Asian Countries. After about four years gap, the next SASCOF will be in physical mode in last week of April 2024. I will check with the organizing committee if it can be in hybrid mode this time. • <i>Leila:</i> If you can have some recording as well, it will be useful for people who cannot join online due to inconvenient time at their locations. • <i>Rajagopal:</i> This is possible in MS teams and Zoom. The whole session will be in one recording and so one will have to search the speaker in video. Breaking the recording into different pieces will require lot of editing work. • <i>Annalisa:</i> There is a special issue on Global and Regional Monsoons that is supposed to appear in the Advances in Atmospheric Sciences and there is a group of MP members who are agreed to be the Special issue editors. If anyone is interested, can join the current 5 editors, as we can even be more in number. The important thing that we are supposed to do is now to have a list of contributions that have to appear in the issue and for this an Excel Document is in circulation, where we started to put the probable names of authors and their possible topics. We need to finalize this list and send it to the journal. The submissions will start in May and will end in September, probably will extend up to October. So, it is now the time to contribute to that, I will re-share that e-mail as there are new members in the MP.

	<ul style="list-style-type: none"> • <i>Leila</i>: Pl. re-circulate the email with all the information along with initial call for papers. • <i>Rajagopal</i>: MP member Samson Hagos is submitting a project to set up ARM Field Campaign in eastern Africa to US. Department of Energy Atmospheric Radiation Program and has requested for MP's letter of support. Based on the inputs received from MP Co-chairs and WG-AFM Co-chairs, letter has been finalized and the same will be issued to him soon. • <i>Rajagopal</i>: This project is a good activity. It has a lot of observations going to be made in the eastern part of Africa, which is a data sparse region. • <i>Leila</i>: This is a great activity. I do not know if they are going to be funded, but this is something overdue. We need more measurements in Africa to carry out more studies in the region and this is a great project.
9	<p>Any other business</p> <ul style="list-style-type: none"> • <i>Rajagopal</i>: In July at GEWEX OSC there is going to be a joint session of MP and WG-AAM. We will try to do it that way we did at Kigali as we have got travel support from GEWEX and CLIVAR. • <i>Rajagopal</i>: GEWEX SSG meeting will be during 22-26 April at Budapest. Surya will be attending GEWEX Travel support. • <i>Rajagopal</i>: CLIVAR is planning to have a big meeting next year in which all Co-chairs/ members of its panels are expected to attend. So, they are projecting that funding to WCRP JSC, which is meeting in the last week May in Lima, Peru. • <i>Jhan-Carlo</i>: The WCRP JSC meeting in at the end of May together with the annual meeting of ANDEX project. • <i>Rajagopal</i>: IMPO's Annual Report to WCRP JSC is being prepared and will be submitted before the deadline of 1 May 2024. • <i>Rajagopal</i>: WCRP JSC meeting is online for all Co-chairs of core projects. Only few of the JSC Members are going to attend meeting in-person. As it will be a hybrid meeting, I may attend few of the sessions depending on timings being convenient. • <i>Rajagopal</i>: The funding mechanism or budgeting of WCRP is changing from next financial year. There will not be equal division among all panels or projects. It is going to be "demand driven". If any Panel/Project has a good proposal for a meeting/ workshop they will get more funds for that event and others will get proportionately reduced budget that year.
10	<p>Date/time of next meeting (Lead: Leila)</p> <ul style="list-style-type: none"> • The next meeting may be held in the second week of June 2024 at a convenient time for members from the African/Europe continents. • Leila thanked all for their participation in the meeting.

NEXT MEETING

Meeting Number	2024-4	Meeting Time & Date	Second week of June 2024. IMPO to initiate a Doodle poll in the later part of May 2024
Location	Video conference, details of the meeting will be sent out by IMPO		

The screenshot displays a Microsoft Teams meeting in progress. The main content area shows a document titled "CLIVAR/GEWEX Monsoons Panel (MP: 2024-3) Online Meeting" dated "04 April 2024 (16-18 UTC)". The document includes an agenda with seven items:

1. Opening remarks (Leila & Surya) - 4 min
2. Updates from WGs:
 1. WG-AAM (Surya) - 5 min
 2. WG-AFM (Rondro) - 5 min
 3. WG-AMM (Ruth) - 5 min
3. Updates from IMPO (Rajagopal) - 5 min
4. Discussions on Monsoon Session and In-person meeting in GEWEX OSC-2024 (Surya/Rajagopal)
5. Open Discussion on the ongoing MP & WG activities (All) – 15 min
6. Any other business - 5 min
7. Date/time of next meeting (Leila/Surya) - 3 min

Below the agenda, it states "Microsoft Teams meeting" and provides instructions to "Join on your computer, mobile app or room device" with a link: [Click here to join the meeting](#).

The right side of the screen shows a vertical stack of participant video thumbnails. From top to bottom, the participants are: Leila Carvalho, E N Rajagopal, Ajaya Mohan, Dr. Satyaban B Ratna, ANNALISA CHERCHI, jcev09, and Rondrotia... The bottom left corner of the Teams window shows the name "E N Rajagopal".

A screenshot of the in-progress online MP meeting held on 4th April 2024

Microsoft Teams meeting

Join on your computer, mobile app or room device

[Click here to join the meeting](#)

Meeting ID: [364 599 173 043](#)

Passcode: VogDTf