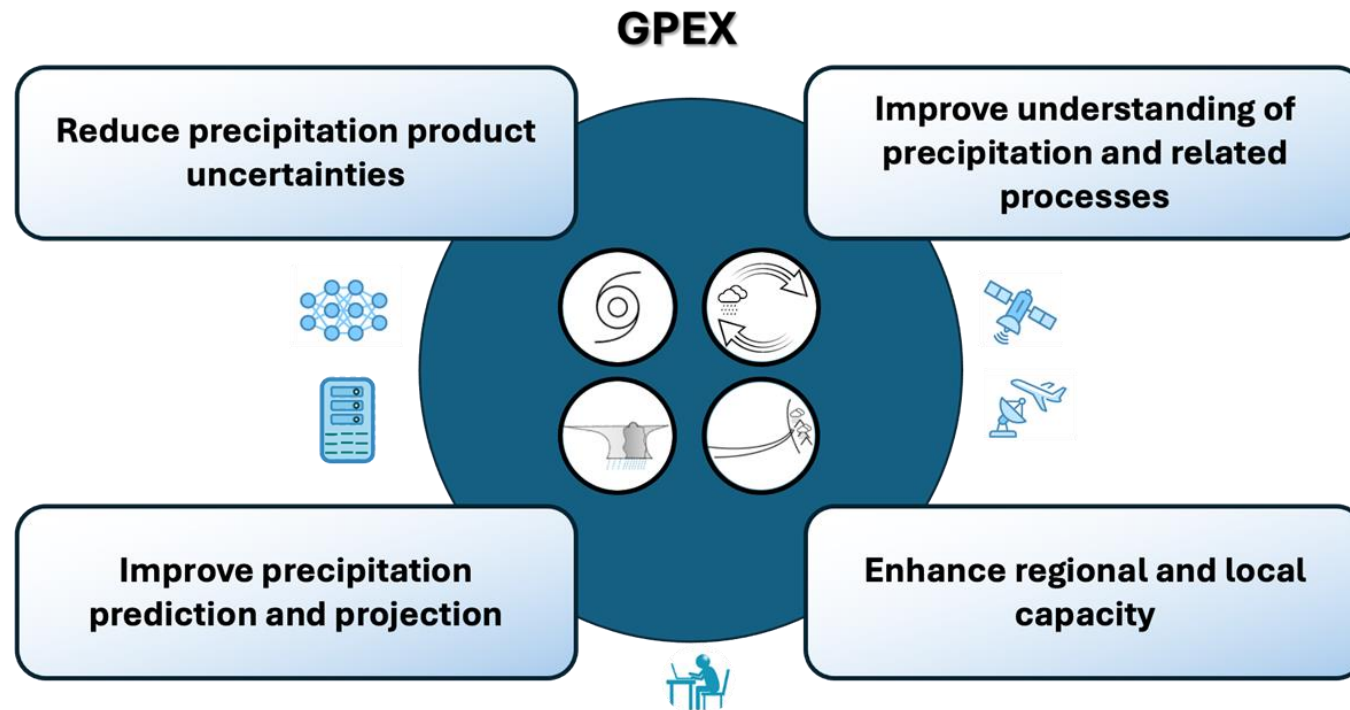




45th Session of the World Climate Research Programme
Joint Scientific Committee

Global Precipitation EXperiment (GPEX)



Highlights for Joint Scientific Committee - 1

(a) Launch of GPEX as a WCRP new Lighthouse Activity:

- *in October 2023 at the WCRP OSC in Kigali, Rwanda*

(b) GPEX Membership:

- *JSC appointed Interim SSG in early 2024;*
- *call for membership of GPEX SSG and four Working Groups;*
- *submitted list of candidates in May 2024 to JSC for approval.*

(c) Publication:

- *The GPEX Science Plan is available at the WCRP web site;*
- *BAMS article*

(d) Committee Meetings:

- *~monthly video meetings,*
- *in-person meetings when opportunities arise (WCRP OSC in Oct 2023; AMS Meeting in Jan 2024)*

Global Precipitation Experiment - A New World Climate Research Programme Lighthouse Activity

Xubin Zeng, Lincoln Alves, Marie-Amélie Boucher, Annalisa Cherchi, Charlotte DeMott, A.P. Dimri, Andrew Gettelman, Edward Hanna, Takeshi Horinouchi, Jin Huang, Chris Lennard, L. Ruby Leung, Yali Luo, Meloth Thamban, Hindumathi Palanisamy, Sara C. Pryor, Marion Saint-Lu, Stefan P. Sobolowski, Detlef Stammer, Jakob Steiner, Bjorn Stevens, Stefan Uhlenbrook, Michael Wehner, and Paquita Zuidema

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Highlights for Joint Scientific Committee - 2

(e) Interaction with WCRP projects, other projects, and organizations :

- *Good interaction with other WCRP projects due to the GPEX Interim SSG membership*
- *In collaboration with GEWEX, interactions with the WMO Infrastructure Department and Service Department,*
- *increasing the awareness and interest of the broader community by organizing Townhall, giving talks at conferences and to funding agencies,*
- *initiated and held a video conference with the Schmidt Sciences.*

Explanations on GPEX SSG candidates

- *Among the existing 20 Interim SSG members who represent various WCRP projects and other projects, 10 applied to continue the service as SSG members. **We recommend that all 10 people be appointed***
- *Among the above 10 people, Xubin Zeng and Annalisa Cherchi applied to be SSG Co-chairs. They both received 100% “yes” from Interim SSG members in anonymous voting. **We recommend that they be appointed***
- *Among the other 16 candidates, based on our voting and discussions on science background, leadership, and various balances, **we recommend that three be appointed as SSG members***
- *Various balances: Women (8) vs men (5); PhDs from the 1990s (6), 2000s (4), and 2010s (3); North America (5), Europe (3), Asia (4), South America (1).*
- *Seeking a candidate from Africa: have reaching out to additional candidates; welcome JSC recommendation on candidates.*

Planned science initiatives and major events

(a) Membership and Implementation Plan:

- *Finalize the membership and leadership of GPEX SSG and four Working Groups in 2024,*
- *Organize an in-person meeting around AGU meeting in Washington D.C. in Dec 2024,*
- *Develop the GPEX Implementation Plan in 2-3 years.*

(b) WCRP Years of Precipitation:

- *Identify and endorse 3-4 anchor projects for global coordinated field campaigns on four storm types (atmospheric rivers, mesoscale convective systems, tropical cyclones, and monsoons) in 1-2 years,*
- *Launch the YoP in 2-3 years,*
- *Finish the GPEX global coordinated field campaigns in 4-6 years.*

(c) Other GPEX Activities:

- *seek major forecasting and modelling centers on generating analysis/reanalysis, forecasting, and modelling products for the YoP in 1-2 years,*
- *besides the YoP, develop three other types of GPEX activities.*

Planned products, high-level assessments or other key outputs/publications

Finish the GPEX Implementation Plan (and its potential publication as a peer-reviewed paper) in 2-3 years.

Finish the Implementation Plan for the field campaigns of each storm type in 2-5 years.

Linkages with other WCRP activities

As the GPEX Interim SSG members represent almost all WCRP projects, GPEX has benefited from other WCRP projects in its Science Plan development,

Continue to leverage other WCRP projects for synergistic GPEX activities.

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Partnerships with entities outside of WCRP

continue to interact with WWRP and its projects,

continue to interact with the WMO Service Department and Infrastructure Department, in collaboration with GEWEX,

continue to interact with the Schmidt Sciences and explore opportunities with other philanthropic organizations, sectorial organizations, and the private sector.

Suggestions, issues or challenges

*Focus on a few tasks,
and do them well.*

