

GDAP Panel Reports for the 32nd GEWEX SSG Meeting 2020

Full Panel Name (Acronym) : GEWEX Data and Analysis Panel (GDAP)
Reporting Period : 01 January - 31 December 2019
Starting Date : 2018
End Date (where appropriate) : NA
URL : <https://www.gewex.org/panels/gewex-data-and-analysis-panel/>

Membership

Chair(s) and Term Dates : Rémy Roca (2016 - Present)
Tristan L'Ecuyer (2016 - Present)
Members and Term Dates : Eui-Seok Chung (2019-present)
Wouter Dorigo (2013 - Present)
Seiji Kato (2017 - Present)
Chris Kummerow (2014 - Present)
Hirohiko Masunaga (2010 - Present)
Isable Trigo (2017 - Present)
Tianjun Zhou (2011- Present)

Panel Objectives, Goals and Accomplishments during Reporting Period

Overall Panel Objective(s)

- Assess the current state of the observational capability to document the global water and energy cycle elements with emphasis on the consistency and the GEWEX science questions fitness for purpose with a climate driven focus and emphasis on satellite based datasets. Sponsor ground based references networks. Trigger new international initiative in support of the GEWEX Science questions and the panel activity.

List of Panel Goals

Adjust yearly

- Renew the membership

List of Key Results

Adjust yearly with respect to goals

- One new memeb has joined the panel

Other Science Highlights

Not part of the 2-3 major accomplishments

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Panel Activities during Reporting Period

List of Panel Activities and Main Result

- Continuation of the GDAP identity elaboration
- Release of the IP dataset
- Consolidation of the land surface activity (see IP project and Toledo meeting to come)
- Teleconf in October 2019 / 2019 Meeting in Jan 2020
- Kick off of the ISSCP Next Generation project in Darmstadt
- Significant Progress on the Precip Assessment

List of New Projects and Activities in Place and Main Objective(s)

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List of New Projects and Activities Being Planned, including Main Objective(s) and Timeline, Lead(s)

Assessment of EEI to start in 2020

Science Issues and Collaboration during Reporting Period

Contributions to Developing GEWEX Science and the GEWEX Imperatives.

a. Data Sets

- See the Integrated product project report
- See the GPCC project report
- See the BSRN project report
- see the ISMN project report

b. Analysis

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c. Processes

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d. Modeling

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e. Application

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f. Technology Transfer

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g. Capacity Building

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List contributions to the GEWEX Science Questions and plans to include these.

a. Observations and Predictions of Precipitation

- See the Precipitation assessment project report

b. Global Water Resource Systems

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c. Changes in Extremes

- See the Precipitation assessment project report

d. Water and Energy Cycles

- See the Water vapor assessment project (GVAP) report

Other Key Science Questions

List 1 – 3 suggestion that you anticipate your community would want to tackle in the next 5-10 years within the context of a land-atmosphere project

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Contributions to WCRP including Current Grand Challenges

Briefly list any specific areas of your panel's activities in particular to the grand challenges "Extremes" and "Water for the Food Baskets" which is not covered under 2.

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Cooperation with other WCRP Projects, Outside Bodies and links to applications

e.g. CLIVAR, CliC, SPARC, Future Earth, etc.

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Workshops and Meetings

List of Workshops and Meetings Held in 2019

Meeting title, dates and location.

- DOE Precip metrics meeting, Washington, July 2019
- ISSCP - NG, Darmstadt, Germany, October 2019

List of Workshops and Meetings Planned in 2020 and 2021

Meeting title, dates and location and anticipated travel support needs.

- Integrated product and land surface, Toledo March 2020 (support already requested and granted)
- the GDAP 2020 annual meeting October 2020

Other Meetings Attended On Behalf of GEWEX or Panel in 2019

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Publications during Reporting Period

List of Key Publications

- Multiple contributions to the GEWEX newsletter