Introduction of the International Precipitation Working Group

On Behalf of the Coordination Group for Meteorological Satellites (CGMS)

F. Joseph Turk (JPL/Caltech), IPWG rapporteur to CGMS
Takuji Kubota (JAXA, Japan) and Christian Kummerow (CSU, Colorado, US), IPWG Co-Chairs

Coordination Group for Meteorological Satellites

IPWG-11
Tokyo Institute of Technology
15-18 July 2024

IPWG International Precipitation Working Group

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Background: WMO, CGMS and IPWG

WMO: World Meteorological Organisation
CGMS: Coordination Group for Meteorological Satellites
IPWG: International Precipitation Working Group

- CGMS: Currently 16 member organizations and 6 observers
- CGMS has International Science Working Groups (ISWGs):
  - International TOVS Working Group: ITWG
  - International Precipitation Working Group: IPWG (400+ members)
  - International Radio Occultation Working Group: IROWG
  - International Winds Working Group: IWWG
  - International Clouds Working Group: ICWG
  - International Earth Surface Working Group: IESWG

Coordination Group for Meteorological Satellites

https://cgms-info.org

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- **CGMS Structure:**
  - WG I: Satellite systems and operations
  - **WG II: Satellite Data and Products ← IPWG**
  - WG III: Operational Continuity and Contingency Planning
  - WG IV: Data access and end user support
  - Space Weather Coordination Group (SWCG)
  - WGClimate (CEOS-CGMS Joint Working Group)

- Each of these groups has its own chairperson, IPWG reports to WG-II.
- 4 “intersessional” meetings each year (most recently April 2024)
- CGMS Plenary usually June each year (recent CGMS-52, Washington DC)
- IPWG will present recommendations from IPWG-11 at the next intersessional

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2022

Acknowledgements

CGMS extends its appreciation to everyone who helped to plan and coordinate this IPWG-11 workshop

Japanese Aerospace Exploration Agency

Scientific Committee, headed by the IPWG Co-Chairs

Local Organizing Committee

Tokyo Institute of Technology

IPWG-7
Tsukuba
November 2014

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Some Important Topics for this Workshop: A CGMS Perspective

- **Importance of the IPWG "benchmarking" activity**, to assess the overall quality of the precipitation product generated from a suite of imagers, sounders and precipitation radars. Also to address the CGMS Future Direction 2022+ strategic theme, "Future Observation Hybrid Space Infrastructure".

- **While there is growing usage of AI/ML techniques to** improve precipitation products, assure their consistent validation.

- **Importance of the IPWG Baseline Surface Precipitation Network activity**. There is limited ability to predict uncertainties in regions w/o validation data and users struggle with uncertainties provided by products.

- **Maintain QC/intercalibration efforts**, needed for consistent precipitation products across sensors.

- **Leadership** will be needed to ensure that precipitation products retain the quality, accessibility, and documentation that are needed by the user community.

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Acknowledgements

All CGMS meeting material is posted online and open access:
https://www.cgms-info.org/agendas/Plenaries.aspx

CGMS-52 Presentations from June 2024:
https://www.cgms-info.org/agendas/agendas/CGMS-52Plenary

Welcome to IPWG-11 and for a successful week of interactions and focus/working group discussions!

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