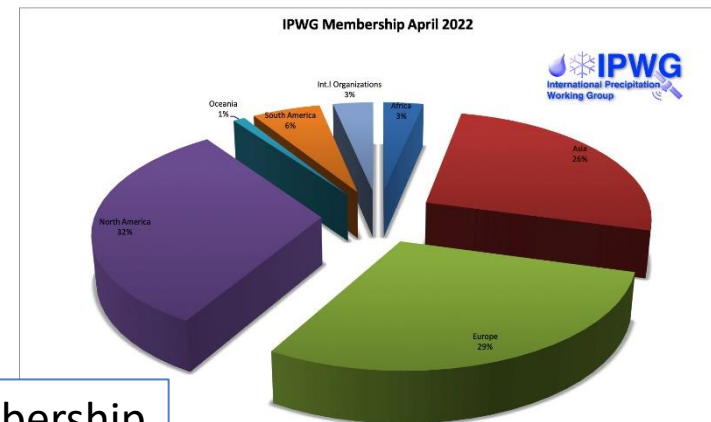# Welcome and Orientation
The IPWG-11 training course program
15-18 July 2024

Takuji Kubota* and Chris Kummerow, IPWG Co-Chairs
F. Joseph (Joe) Turk, CGMS rapporteur
*presenter

**Coordination Group for
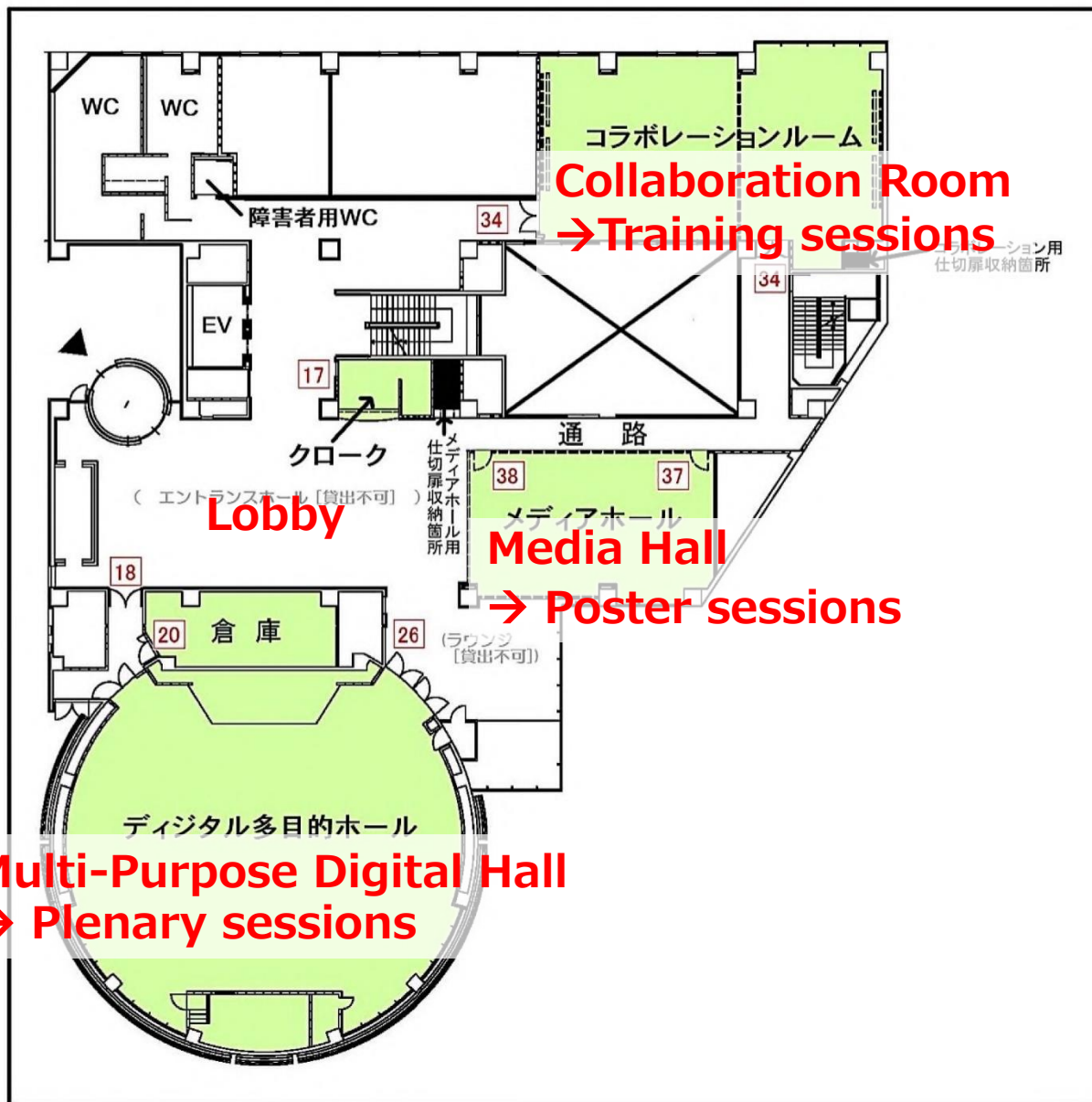Meteorological Satellites**

What's "IPWG"?

- The International Precipitation Working Group (IPWG) was established as a permanent Working Group of the Coordination Group for Meteorological Satellites (CGMS) in 2001.
  - ✓ The IPWG is co-sponsored by CGMS and the World Meteorological Organization (WMO)
  - ✓ focuses the scientific community on operational and research satellite based quantitative precipitation measurement issues and challenges.

- It provides a forum for operational and research users of satellite precipitation measurements to exchange information on methods for measuring precipitation and the impact of space borne precipitation measurements in numerical weather and hydrometeorological prediction and climate studies.

IPWG membership exceeds 500 members

IPWG Membership April 2022

Coordination Group for Meteorological Satellites

Rooms in IPWG-11

Collaboration Room →Training sessions

Lobby

Media Hall → Poster sessions

Multi-Purpose Digital Hall → Plenary sessions

Coordination Group for Meteorological Satellites

International Precipitation Working Group

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Mon, 15 Jul 2024

1330 - 1340	Welcome and Orientation	Takuji Kubota (JAXA)
1340 - 1530	**Session T1: Satellite precipitation observations**	
1340 - 1415	Introduction of precipitation - related satellite missions	Joe Turk (JPL/Caltech) and Chris Kidd (NASA/GSFC)
1415 - 1440	Introduction of "Global Satellite Mapping of Precipitation (GSMaP)"	Tomoo Ushio (Osaka Univ.)
1440 - 1505	Introduction to Integrated Multi - satellitE Retrievals for GPM (IMERG)	George J. Huffman (NASA/GSFC)
1505 - 1530	Precipitation products from EUMETSAT Satellite Application Facility on Support to Operational Hydrology and Water Management (H - SAF) – applications and case studies	Luca Ciabatta (CNR - IRPI)

Coordination Group for Meteorological Satellites

Mon, 15 Jul 2024 (cont.)

1600 - 1800	**Session T2: Precipitation remote sensing**	
1600 - 1640	Passive microwave algorithm	Christian Kummerow (Colorado state Univ.)
1640 - 1720	Active microwave algorithm	Shinta Seto (Nagasaki Univ.)
1720 - 1800	Snowfall algorithm	Guosheng Liu (Florida State Univ.)
1830 - 2030	Ice Breaker	

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Tuesday, 16 July 2024

0900 - 1020	Session T3: Validation and Data assimilation	
0900 - 0940	Validation	Viviana Maggioni (George Mason Univ.)
0940 - 1020	Data assimilation within cloudy and precipitating areas	Philippe Chambon (Météo France, Toulouse, France)
1020 - 1200	Participation in Poster Session A	
1030 - 1100	Poster flash talks (at Multi - Purpose Digital Hall, Session 6 of IPWG-11)	
1100 - 1200	Poster Session A (at Media Hall)	
1200 - 1330	Lunch	
1330 - 1800	Working Group (WG) reports and Breakout session (at Multi - Purpose Digital Hall, Sessions 7 and 8 of IPWG-11)	

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Wednesday, 17 July 2024

0900 - 1020	**Session T4: Machine learning**	
0900 - 0940	TBD	Kuolin Hsu (UC Irvine)
0940 - 1020	Satellite snowfall retrieval and machine learning: challenges, advancements, and future perspectives	Giulia Panegrossi (CNR - ISAC)
1020 - 1200	Participation in Poster Session B	
1030 - 1100	Poster flash talks (at Multi - Purpose Digital Hall, Session 10 of IPWG-11)	
1100 - 1200	Poster Session B (at Media Hall)	
1200 - 1330	Lunch	
1330 - 1800	Focus Group (FG) reports and Breakout session (at Multi - Purpose Digital Hall, Sessions 11 and 12 of IPWG-11)	
1830 - 2030	Workshop Dinner	

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Thursday, 18 July 2024

0900 - 1020	**Session T5: Websites and tools**	
0900 - 0925	GSMaP websites and utilization	Nao Yoshida (JAXA/EORC)
0925 - 0950	GPM Data Access and Tools	Erich Franz Stocker (NASA)
0950 - 1015	Data access tools for H - SAF precipitation products	Bozena Lapeta (IMGW - PIB)
	Adjourn of the training course	
1020 - 1200	Participation in Poster Session C	
1030 - 1100	Poster flash talks (at Multi - Purpose Digital Hall, Session 14 of IPWG-11)	
1100 - 1200	Poster Session C (at Media Hall)	

→ Please participate in afternoon sessions of the IPWG-11 plenary sessions.

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