

# Summary/Highlights from the IPWG

Presented to CGMS45, Working Group II, agenda item 4

## Overview – Summary of IPWG-8/IWSSM-5

<http://www.isac.cnr.it/~ipwg/meetings/bologna-2016/Bologna2016.html>

**Hosted by ISAC-CNR, Bologna, Italy**  
**3-7 October 2016**

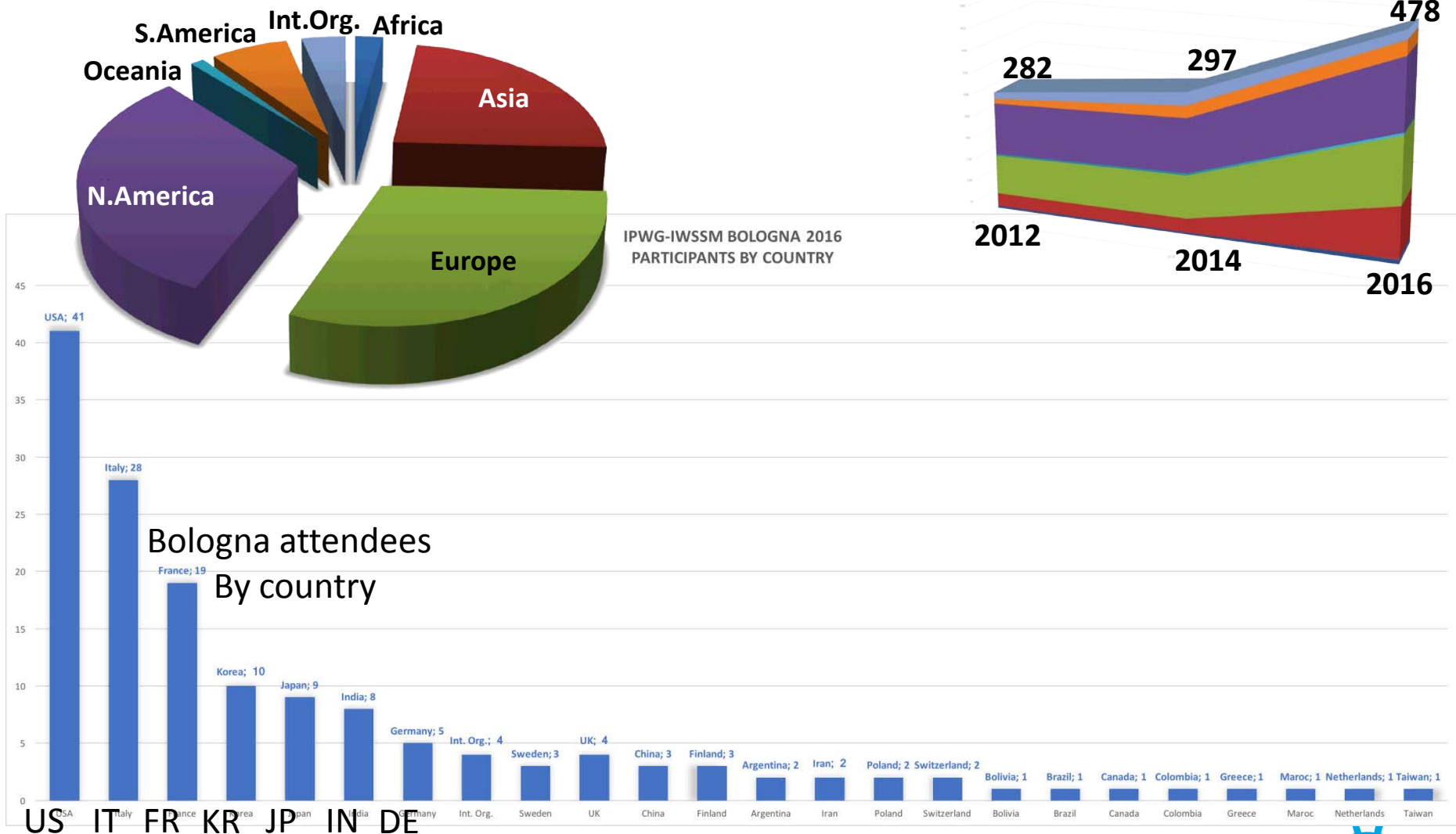


**WMO Special recognition to V. Levizzani for his scientific achievements and 15 years of dedication to IPWG**

Growing participation:  
Joint meeting with NWP  
Dec 2015

- IPWG-7 - Japan, Nov 2014;  
IWSSM-4 - U.S, May 2013
  - This is first joint meeting, unifies precipitation!
- 158 participants, 23 countries
  - 63 oral/88 posters
    - Prizes for early career scientists
- ~30 students/3-day training course
- 5 working groups
  - Research
  - Applications
  - Validation
  - Snow Scattering
  - Data Assimilation
- Special Issue - *QJRMS*
  - Roca and Kidd, Editors
  - Submission deadline, July 1

## IPWG Membership and Attendance – both increasing!



## Outgoing Co-Chairs (Left) – Tufa Dinku/Remy Roca Incoming Co-Chairs (Right) – Dong-Bin Shin/Ziad Haddad



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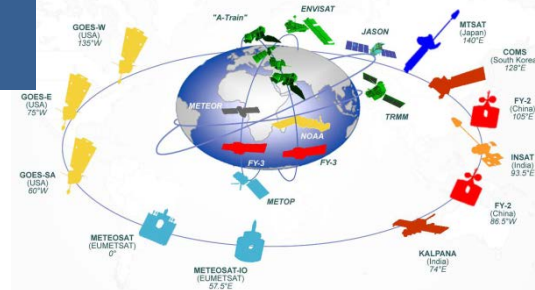
[zsh@jpl.nasa.gov](mailto:zsh@jpl.nasa.gov)

# Working Groups

Title	Co-Chair	Co-Chair
Validation	Viviana Magioni <i>George Mason Univ., USA</i>	Elena Tarnavsky <i>Univ. of Reading, UK</i>
Research	Ali Behrangi <i>NASA/JPL, USA</i>	Yeji Choi <i>Yonsei Univ., S. Korea</i>
Applications	Daniel Vila <i>CPTECH/INPE, Brazil</i>	Tufa Dinku <i>Columbia Univ., USA</i>
Data Assimilation	Benjamin Johnson <i>NOAA/NESDIS, USA</i>	Kozo Okamoto <i>MRI/JMA, Japan</i>
Scattering	Stefan Kneifel <i>Univ. of Cologne, Germany</i>	Alan Geer <i>ECMWF, UK</i>

## NEW ACTIONS TO BE CONSIDERED BY CGMS After Working Group II discussions

- **Action for all CGMS Members** – Ensure the continuity of the current constellation of passive microwave sensors (for high quality satellite precipitation products for weather, climate and hydrological applications) through proper coordination of satellites, sensors and equatorial crossing times.
  - For Consideration in WG III
- **Action to all CGMS Members** – Timely (< 1 hr) and free access to all geostationary visible, IR and water vapor data is required to improve global hydrological prediction.
  - For Consideration in WG IV



## NEW RECOMMENDATIONS TO BE CONSIDERED BY CGMS After Working Group II discussions

- **To WMO** - Recognizing that IPWG has considerable expertise in precipitation science and applications, IPWG requests the WMO (likely via VLAB) to establish a regular training events on precipitation data sets and applications, for which IPWG will provide disciplinary expertise.
- **For all CGMS Members** - Recognizing the need for continued enhancements to the baseline precipitation observing system to a broader user community (including hydrology, NWP prediction, RTM modeling), IPWG recommends that CGMS members continue to pursue advanced sensors through close coordination with CGMS ISWG's including IPWG, ITWG and ICWG.

