

## REPORT ON ACTIVITIES OF THE INTERNATIONAL PRECIPITATION WORKING GROUP (IPWG)

WMO-WP-20 reports on activities of the International Precipitation Working Group (IPWG) since the 5th IPWG Workshop, which include:

- IPWG compiled lists of publicly available, quasi-operational and quasi-global precipitation datasets. The goal of this activity was to provide users with basic information on the dataset characteristics to facilitate a quick comparison, together with details on data access. The dataset lists, broken out by dominant input data types, are available at <http://www.isac.cnr.it/~ipwg/data/datasets.html>.
- IPWG carried out a survey of different sources of validation rainfall data; the datasets lists are available at <http://www.isac.cnr.it/~ipwg/validation-links.html>.
- IPWG also conducted among its members a survey of applications using high-resolution satellite precipitation products, which could lead to a publication in BAMS in 2012. The list of applications is at: <http://www.isac.cnr.it/~ipwg/applications.html>.
- Finally, the 6<sup>th</sup> IPWG Workshop will take place in Fortaleza, Brazil (tentatively on 15-19 October 2012). Similarly to IPWG-5, a training event is planned to be held concurrently with IPWG-6. Funding for these events is, however, not secured.

Action/Recommendation proposed:

CGMS Members are invited to take note of the ongoing activities within IPWG and:

To provide travel support for 10 scientists from developing and least developed countries to allow attendance of the sixth International Precipitation Working Group workshop (IPWG-6).

To support a collocated training workshop during IPWG-6 which will include c.a. 20 people from the hydro-meteorological services of developing and least developed countries.

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### 1 Fifth IPWG Workshop

The 5th IPWG Workshop held at the Max Planck Institut für Meteorologie, Hamburg, Germany on 11-15 October, 2010, covered a range of issues related to satellite precipitation estimates and made recommendations to sustain and improve the international constellation of precipitation-relevant satellites. The main outcomes of the meeting include advice to CGMS on necessary actions to sustain and improve the international constellation of precipitation-relevant satellites. A workshop report has been accepted for publication in the Bulletin of American Meteorological Society (BAMS) (Huffman, G.J., C. Klepp, 2011: Meeting Summary: Fifth Workshop of the International Precipitation Working Group. Bull. Amer. Meteor. Soc., in press). At the meeting, Bozena Lapeta (IMGW, Poland) and Paul Kucera (NCAR, USA) were selected as new IPWG co-chairs for the period 2011-2012.

Draft IPWG-5 proceedings are currently being reviewed, including papers and abstracts of IPWG-5 presentations and posters as well as Working Group reports (check <http://www.isac.cnr.it/~ipwg/> for updates). All presentations from IPWG-5 and the EUMETSAT Hydrology Training Workshop are available there.

### 2 Precipitation Datasets

George Huffman led a survey and developed a database that provides lists of globally available precipitation data. The goal of this activity was to provide users with basic information on the dataset characteristics to facilitate a quick comparison, together with a URL (preferably) or an e-mail address to access the data. Based on this work, IPWG has published lists of publicly available, quasi-operational and quasi-global precipitation datasets. The dataset lists, broken out by dominant input data types, are available at <http://www.isac.cnr.it/~ipwg/data/datasets.html>.

### 3 Survey on Validation Datasets and Use of High-resolution Precipitation Products

In order to fulfil Recommendation No 3 from the IPWG-5 Validation Working Group Meeting, a survey of different sources of validation rainfall data has been carried out. The outcome of this survey has been created and posted on the IPWG web site (<http://www.isac.cnr.it/~ipwg/validation-links.htm>). In addition, IPWG conducted a survey among its members to compile a list of applications that use high-resolution satellite precipitation products. The resulting list of applications is on the IPWG web site (<http://www.isac.cnr.it/~ipwg/applications.htm>). Paul Kucera is leading an effort to publish a paper in BAMS in the coming year on the results.

### 4 Sixth IPWG Workshop in 2012

Finally, the 6<sup>th</sup> IPWG Workshop will take place in Fortaleza, Brazil. Tentative meeting dates are 15-19 October 2012. Similarly to IPWG-5, a training event is planned to be held concurrently with IPWG-6. Funding for these events is, however, not secured.

### 5 Conclusions

CGMS Members are invited to take note of the ongoing activities within IPWG and:

To provide travel support for 10 scientists from developing and least developed countries to allow attendance of IPWG-6.

To support a collocated training workshop during IPWG-6 which will include c.a. 20 people from the hydro-meteorological services of developing and least developed countries.