



World Meteorological Organization
Organisation météorologique mondiale

Secrétariat

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Our ref.: OBS/OSD/IMO/IPC-XII

GENEVA, 8 April 2015

Annexes: 3 (available in English only)

Subject: Twelfth International Pyrheliometer Comparison (IPC-XII) and the conjointly planned Regional Pyrheliometer Comparisons (RPCs) at the World Radiation Centre, Davos, Switzerland, 28 September to 16 October 2015

Action required: 1. Register for intended participation in the IPC-XII/RPCs on the PMOD/WRC website, **as soon as possible**
2. If needed, submit requests for financial support to the WMO Secretariat not later than **30 April 2015**

Dear Sir/Madam,

According to Resolution 13 (EC-XXXIV) of the Executive Council, International and Regional Pyrheliometer Comparisons (IPC and RPCs) should be carried out at five-yearly intervals to check the quality of the operated radiation standards against the instruments of the World Standard Group (WSG) and, for RPC, against the regional standard instruments. The purpose of these comparisons is to foster the comparability of radiation measurements throughout the world through traceability to the World Radiometric Reference.

I have pleasure in informing you that, at the kind invitation of Switzerland, the Twelfth International Pyrheliometer Comparison (IPC-XII) will be held at the World Radiation Centre (WRC) in Davos, Switzerland, from 28 September to 16 October 2015. The WRC has also indicated that the Fourth Filter Radiometer Intercomparison (FRC-IV), and Second International Pyrheliometer Comparisons (IPgC-II) will be held in conjunction with IPC-XII.

The IPC-XII is primarily intended for the calibration of standard pyrheliometers of all WMO Regional Radiation Centres (RRCs). National Standard Pyrheliometers that are maintained at National Radiation Centres (NRC) will also be compared against the WSG if the total number of instruments does not exceed the capacity of the Davos Centre.

To: Permanent Representatives (or Directors of Meteorological or Hydrometeorological Services) of Members of WMO (PR-6839)

cc: WRC Davos)
RRCs) (for information)

The WRC plans to organize a scientific symposium on meteorological radiometry and atmospheric radiation as well as a training course on radiation measurements focusing specially on the needs of RRCs. RRCs will be expected to present a report on their activities in the last 5 years during the symposium and to attend the training course. It is planned to award a certificate of attendance to the participants in the training course. Space permitting, NRCs will also be welcomed to attend the course.

The financial resources available to support participants are very limited. Taking this into account, I would like to urge you to consider meeting the travel and per diem expenses of the participant(s) from your Service.

Nevertheless, requests for financial assistance will be considered within limited resources available for the IPC. It is our target to support the participation of some Regional Radiation Centres (RRCs) from developing countries, and, if possible, also some National Radiation Centres from developing countries. With the kind help of the WRC Davos, special arrangements are being planned to minimize the local cost for accommodation and half/full board of participants.

Financial assistance for the transport of instruments cannot be provided by WMO.

Enclosed you will find three annexes as follows:

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| Annex I | List of WMO Regional Radiation Centres; |
| Annex II | Questionnaire – Request for financial support for participation at IPC-XII/RPCs; |
| Annex III | Questionnaire for Regional Radiation Centres planning to attend IPC-XII. |

If you wish to nominate a radiation expert and bring one or more pyrhelimeter instruments to the IPC-XII/RPCs, you are kindly requested to fill-in the on-line forms provided on the WRC website: <http://projects.pmodwrc.ch/ipc-xii> . Confirmation of participation will be provided to you directly by the WRC.

Requests for financial assistance must be **submitted to the WMO Secretariat by the relevant Permanent Representative of the nominated expert by 30 April 2015 at the latest**, by returning the completed form provided in Annex II.

Members hosting a Regional Radiation Centre (RRC) are requested to complete and return the questionnaire on RRC, provided in Annex III, at your earliest convenience but **not later than 30 April 2015** to provide information on the traceability of RRCs and their adherence to the RRC Terms of Reference.

Detailed information on the organization of the IPC-XII/RPCs and conditions for technical specifications of the standard pyrhelimeters proposed for participation will be sent by the Director of the World Radiation Centre to the nominated expert(s) directly. Additional information on local arrangements will be made available under: <http://projects.pmodwrc.ch/ipc-xii>.

Yours faithfully,



(J. Lengoasa)
for the Secretary-General