

**Expert Team on Observing Requirements and Standards for Climate (ET1.2)
Terms of Reference and membership (Réf. CCI-XIV, November 2005)**

Terms of Reference for ET 1.2

- (a) To review and make recommendations regarding the adequacy and choice of observing instruments and sensors to meet climate needs, including *in situ*, remote-sensing systems and automated methods;
- (b) To review and develop recommendations on procedures and practices necessary to support the long-term homogeneity of climate data, including:
 - (i) Procedures to be carried out in the migration from man-made to automated measurements, and during changes to sensors and site;
 - (ii) Procedures to be carried out during instrument maintenance and calibration;
 - (iii) Instrument comparisons to identify biases, drift and sensitivity;
 - (iv) Maintenance, monitoring and reporting on observing environments including instrument exposure;
- (c) To specify the basic characteristics and standards of national and regional climate networks and their observations, including AWSs and remote sensing platforms, needed in support of climate activities;
- (d) To help ensure that guidance and procedures are developed to assist with improved data exchange, particularly with regard to satisfying the requirements of the Reference Climate Stations, RBCN and the relevant GCOS networks;
- (e) To coordinate and collaborate with the OPAG Rapporteurs, CBS, JCOMM, CIMO, GEOSS, GCOS, WCRP (e.g. on polar data for the IPY) and other groups as required or as opportunities arise;
- (f) To explore, document and make recommendations for addressing the needs for capacity building in each region, pertinent to this topic;
- (g) To submit reports in accordance with timetables established by the OPAG chair and/or Management Group.

<p><u>Lead</u></p> <p>Mr William. Wright</p>	<p>Bureau of Meteorology National Climate Centre GPO Box 1289 K Melbourne, VIC 3001 Australia Tel: (61-3) 9669 4457 Fax: (61-3) 9669 4760 Email: w.wright@bom.gov.au</p>
<p><u>Experts</u></p> <p>Mr B. Howe</p>	<p>Meteorological Service of Canada Environment Canada Atmospheric Monitoring 123 Main St., Suite 150 Winnipeg, Manitoba R3C 4W2 Canada Tel: (1-204) 983 4384 Fax: (1-204) 984 2072 Email: brian.howe@ec.gc.ca</p>
<p>Mr R. Ali Hassan</p>	<p>The Egyptian Meteorological Authority Koubry El-Quobba P.O. Box 11784 Cairo Egypt Tel: (20-2) 6849860 Fax: (20-2) 6849857 Email: met@nwp.gov.eg</p>
<p>(Ms M. Coelho)</p>	<p>Instituto Nacional de Meteorología (INMET) Eixo Monumental - Via S1 70610-400 Brasília, D.F. Brazil Tel: (55-61) Fax: (55-61) Email: coelho@inmet.gov.br</p>
<p>Mr Hidehiko Isobe</p>	<p>Japan Meteorological Agency Global Environment and Marine Department Climate Prediction Division 1-3-4 Otemachi Chiyoda-ku Tokyo 100-8122 Japan Tel: (81-3) 32128341 Fax: (81-3) 32118406 Email: h_isobe@met.kishou.go.jp</p>

Dr C. Boroneant	National Meteorological Administration Sos. Bucuresti-Ploiesti 97 013686 Bucharest Romania Tel: (40-21) 3163116 Fax: (40-21) 3163143 Email: boroneant@meteo.inmh.ro
Mr Mesut Demircan	Turkish State Meteorological Service P.O. Box 401 code: 06120 Kalaba Ankara Turkey Tel: (90-312) 3022457 Fax: (90-312) 3612371 Email: mdemircan@meteor.gov.tr
Prof. Chris Reason	Oceanography Department University of Cape Town Private Bag X3 Rondebosch 7701 South Africa Tel: (27-21) 6505311 Fax: (27-21) 6503979 Email: cjr@egs.uct.ac.za