



World Meteorological Organization
Organisation météorologique mondiale

Secrétariat

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Weather • Climate • Water
Temps • Climat • Eau

Our ref.: DRA-AP/RA II-15/WGM

GENEVA, 28 February 2013

Annexes: 3 (available in English only)

Subject: Nomination of experts for RA II subsidiary bodies

Action required: To return to the WMO Secretariat before **29 March 2013** a completed form for each expert from your country proposed to be considered for nomination as a member of a working group or an implementation coordination team of RA II

Dear Sir/Madam,

I wish to refer to the decision of the fifteenth session of Regional Association II (Asia) (RA II-15) held in Qatar, Doha from 13 to 19 December 2012 concerning the new working mechanism of the subsidiary bodies of the Association.

The Association has newly established the following four working groups and two Implementation Coordination Teams:

- (a) Working Group on Weather Services (WGWS), with an Expert Group on Aeronautical Meteorological Services Delivery (EG-AeM); an Expert Group on Operational Forecasting (EG-OF); and an Expert Group on Public Weather Services Delivery (EG-PWS);
- (b) Working Group on Climate Services (WGCS), with an Expert Group on Climate Services (EG-CS); and an Expert Group on Agrometeorology (EG-AgM);
- (c) Working Group on Hydrological Services (WGHS);
- (d) Working Group on WMO Integrated Global Observing System and WMO Information System (WG-WIGOS/WIS), with an Expert Group on WIGOS (EG-WIGOS) and an Expert Group on WIS (EG-WIS);
- (e) Implementation Coordination Team on Service Delivery (ICT-SD); and
- (f) Implementation Coordination Team on Disaster Risk Reduction (ICT-DRR).

To: Permanent Representatives of Members of Regional Association II (ASE-624)

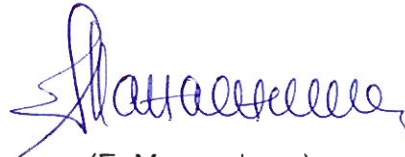
cc: President and vice-president of RA II)
Hydrological Advisers to Permanent Representatives of) (for information)
Members of RA II)

During the session, the chairperson of the Working Group on Hydrological Services, co-coordinators of Expert Groups and chairpersons of Implementation Coordination Teams were selected, and the Association agreed that the Management Group should select theme leaders and volunteer experts for each theme area of Expert Groups and members of the Implementation Coordination Team on Service Delivery by the end of March 2013. The Implementation Coordination Team on Disaster Risk Reduction will be composed of its chairperson and chairpersons of RA II Working Groups.

In this context, I am attaching the structure and membership of RA II subsidiary bodies in Annex I, which were approved at the RA II-15 session, for ease of reference, and invite you to consider the possibility of nominating appropriate experts from your country who could be candidates for undertaking the duties of members of working groups and the Implementation Coordination Team on Service Delivery during the forthcoming four-year intersessional period. Additional details on the duties for working groups and Implementation Coordination Teams could be referred to from the approved resolutions of RA II-15 on its working groups and Implementation Coordination Teams as given in Annex II.

It would be appreciated if you could nominate your candidates by completing one nomination form (Annex III) for each expert. Pursuant to the WMO policy on gender mainstreaming (Resolution 54 (Cg-XVI)), your consideration for both male and female candidates would be highly appreciated. Please send completed form(s), accompanied by one-page curriculum vitae, to the Secretariat as soon as possible, but preferably **not later than 29 March 2013** in order to ensure that this information will be available for consideration by the Management Group.

Yours faithfully,



(E. Manaenkova)
for the Secretary-General

WORLD METEOROLOGICAL ORGANIZATION
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DRA-AP/RA II-15/WGM, ANNEX I

**STRUCTURE AND MEMBERSHIP OF SUBSIDIARY BODIES OF
REGIONAL ASSOCIATION II (ASIA)**

Working Group on Weather Services (WGWS)

..... (Chairperson of WGWS to be decided by the Management Group)

Expert Group on Aeronautical Meteorological Services Delivery (EG-AeM)

Mr Boon-leung Choy (Co-Coordinator of EG-AeM)
(Hong Kong, China)

Ms Marina Petrova (Co-Coordinator of EG-AeM)
(Russian Federation)

The following Theme Leaders to be decided by the Management Group:

..... (Theme Leader in QMS Implementation and Maintenance)
..... (Theme Leader in Competency Assessment)
..... (Theme Leader in Meteorological Support to Air Traffic Management and Provision of SIGMETs)

Expert Group on Operational Forecasting (EG-OF)

Mr Yuki Honda (Co-Coordinator of EG-OF)
(Japan)

Ms Irina Zaytseva (Co-Coordinator of EG-OF)
(Uzbekistan)

The following Theme Leaders to be decided by the Management Group:

..... (Theme Leader in Operational Forecasting Process and Support)
..... (Theme Leader in Operational Predictions)
..... (Theme Leader in Emergency Response Activities)

Expert Group on Public Weather Services Delivery (EG-PWS)

Mr Lap-shun Lee (Co-Coordinator of EG-PWS)
(Hong Kong, China)

Dr Muhammad Hanif (Co-Coordinator of EG-PWS)

(Pakistan)

Mr Alexey Lyakhov
(Russian Federation)

(Co-Coordinator of EG-PWS)

The following Theme Leaders to be decided by the Management Group:

..... (Theme Leader in Socio-economic Benefits of Meteorological
and Hydrological Services)
..... (Theme Leader in Delivery of Warning Services)
..... (Theme Leader in Education and Public Outreach related to
PWS)

Working Group on Climate Services (WGCS)

..... (Chairperson of WGCS to be decided by the Management
Group)

Expert Group on Climate Services (EG-CS)

Mr Ryuji Yamada
(Japan)

(Co-Coordinator of EG-CS)

Dr Ghulam Rasul
(Pakistan)

(Co-Coordinator of EG-CS)

The following Theme Leaders to be decided by the Management Group:

..... (Theme Leader in User Liaison and Applications of Climate
Information and Products for Climate Risk Management and
Adaptation to Climate Change)
..... (Theme Leader in QMS Implementation and Operation of
Regional Climate Centres)
..... (Theme Leader in Operational Regional and National Climate
Outlook Forums)
..... (Theme Leader in Climate Monitoring and Climate Watch)
..... (Theme Leader in Climate Research for Development)

Expert Group on Agrometeorology (EG-AgM)

Dr N. Chattopadhyay
(India)

(Co-Coordinator of EG-AgM)

Dr Alexander Kleshchenko
(Russian Federation)

(Co-Coordinator of EG-AgM)

The following Theme Leaders to be decided by the Management Group:

..... (Theme Leader in Agrometeorological Training Needs)
..... (Theme Leader in Soil Moisture Monitoring)
..... (Theme Leader in Drought Preparedness and Management
Strategies)

.....	(Theme Leader in Seasonal Climate Forecast Applications for Agriculture)
.....	(Theme Leader in Socio-economic Impact of Agrometeorological Information)

Working Group on Hydrological Services (WGHS)

Dr Sung Kim (Republic of Korea)	(Chairperson of WGHS and Hydrological Adviser to the president)
Mr Muhammad Riaz (Pakistan)	(Vice-chairperson of WGHS)

The following Theme Leaders to be decided by the Management Group:

.....	(Theme Leader in Water Resources Assessment)
.....	(Theme Leader in Flood Forecasting)
.....	(Theme Leader in Hydrological Aspects of Drought)
.....	(Theme Leader in Hydrological Responses to Climate Variability and Change and Promotion of the Use of Climate Information by Water Managers)
.....	(Theme Leader in Improved Accuracy of Hydrometric and Sediment Observations including Space-based Technologies)
.....	(Theme Leader in Sediment Disasters and Mass Movements)

Working Group on WMO Integrated Global Observing System (WIGOS) and WMO Information System (WIS) (WG-WIGOS/WIS)

.....	(Chairperson of WG-WIGOS/WIS)
.....	(Vice-chairperson of WG-WIGOS/WIS) to be decided by the Management Group

Expert Group on WIGOS (EG-WIGOS)

Mr Yongqing Chen (China)	(Co-Coordinator of EG-WIGOS)
Dr Jaegwang Won (Republic of Korea)	(Co-Coordinator of EG-WIGOS)

The following Theme Leaders to be decided by the Management Group:

.....	(Theme Leader in Implementation and Updating of R-WIP)
.....	(Theme Leader in Implementation of EGOS-IP)
.....	(Theme Leader in Standard and Best Practice)
.....	(Theme Leader in Observational Requirements and Regional Network)
.....	(Theme Leader in Data Availability and Quality of Observations)
.....	(Theme Leader in Surface-based Remote Sensing for Disaster Risk Reduction)

..... (Theme Leader in Satellite Data, Products and Training)

Expert Group on WIS (EG-WIS)

Ms Xiang Li (Co-Coordinator of EG-WIS)
(China)

Mr Kenji Tsunoda (Co-Coordinator of EG-WIS)
(Japan)

The following Theme Leaders to be decided by the Management Group:

..... (Theme Leader in Data Communication Techniques and Structure)

..... (Theme Leader in Data Representation and Metadata)

..... (Theme Leader in WIS-GTS operations, including Early Warning)

..... (Theme Leader in Climate Data Management/Data Rescue)

..... (Theme Leader in Integrated Global Data Dissemination System)

Implementation Coordination Team on Service Delivery (ICT-SD)

Mr Jianjun Xue (Chairperson of ICT-SD)
(China)

The Members to be decided by the Management Group:

..... (Members of ICT-SD)

Implementation Coordination Team on Disaster Risk Reduction (ICT-DRR)

Dr K.J. Ramesh (Chairperson of ICT-DRR)
(India)

Chairpersons of Working Groups will serve as members of ICT-DRR

WORLD METEOROLOGICAL ORGANIZATION

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DRA-AP/RA II-15/WGM, ANNEX II

**RESOLUTION 5.1/2 (RA II-15) –
RA II WORKING GROUP ON WEATHER SERVICES**

REGIONAL ASSOCIATION II (ASIA),

Noting:

- (1) The *WMO Strategic Plan 2012-2015* (WMO-No. 1069),
- (2) Resolution 1 (Cg-XVI) – World Weather Watch Programme for 2012–2015,
- (3) The Strategic Operating Plan for the Enhancement of National Meteorological and Hydrological Services (NMHSs) in RA II (Asia) 2012-2015,
- (4) The decision by Sixteenth Congress for the development and implementation of the WMO Integrated Global Observing System (WIGOS), the WMO Information System (WIS) and the Global Data-processing and Forecasting System (GDPFS),
- (5) Resolution 20 (Cg-XVI) – Public Weather Services Programme,
- (6) Resolution 26 (Cg-XVI) – WMO Quality Management Framework,
- (7) Resolution 53 (Cg-XVI) – Aeronautical Meteorology Programme,
- (8) Resolution 7 (EC-64) – Social, Economic and Policy Impacts of Weather, Climate and Water Services,

Considering that Regional Association II should continue to play an important and active role in the implementation of WMO regional activities in the delivery of aeronautical meteorological services, operational forecast services and public weather services; and that civil aviation as a key enabler for economic growth and development in the Region is vigorous and requires increased efforts from all service providers, and that the Sixteenth Congress designated the Aeronautical Meteorology Programme a priority area for the sixteenth financial period,

Decides:

- (1) To establish the Regional Association II Working Group on Weather Services (WGWS) with the following terms of reference:
 - (a) To coordinate and support the work of the expert teams in Aeronautical Meteorology Programme in the Region in cooperation with the Commission for Aeronautical Meteorology (CAeM);
 - (b) To coordinate all activities related to the GDPFS, including the Emergency Response Activities (ERA), and PWS in the Region in cooperation with the Commission for Basic System (CBS);
- (2) That the Working Group should be composed of three expert groups, as follows:

- (a) Expert Group on Aeronautical Meteorological Services Delivery (EG-AeM) with the following terms of reference:
 - (i) To coordinate and support the implementation and maintenance of a ISO 9000-based quality management system for the services to international air navigation, in particular to coordinate urgent assistance, e.g., in the form of twinning/mentoring arrangements, to NMHSs not yet implementing quality management system, in light of the fact that following the deadline of 15 November 2012, ICAO provisions concerning the implementation of quality management for aeronautical meteorological services were upgraded from “ICAO Recommendations” to that of “ICAO Standards”;
 - (ii) To coordinate and support the implementation of competency assessment for aeronautical meteorological personnel (forecasters and observers);
 - (iii) To coordinate and support the development and implementation of meteorological services to air traffic management and SIGMET provision;
- (b) Expert Group on Operational Forecasting (EG-OF) with the following terms of reference:
 - (i) To inform RA II Members of technical and scientific developments relating to the forecasting process, and to advise on the implementation of new techniques; and to coordinate organizational and planning aspects of the GDPFS including the requirements, procedures and practices for designating and maintaining GDPFS Centres in the Region;
 - (ii) To monitor the performance of the GDPFS in the Region and review compliance of its Centres against the designated criteria, which include, amongst others, standardized verification of Numerical Weather Prediction (NWP) products, as part of the WMO Quality Management Framework;
 - (iii) To coordinate existing and new requirements stated by RA II Members for GDPFS products, and for the production of analyzed and forecast data by the RA II GDPFS Centres on all time scales, including on education and training materials;
 - (iv) To promote the integrated use of Ensemble Prediction Systems (EPS), high-resolution NWP, radar and satellite-based products into core operational forecasting, and the exchange, use and interpretation of meteorological products;
 - (v) To coordinate within RA II the operational production of forecasts of sub-seasonal to longer time-scales, on the basis of the emerging requirements from Regional Climate Centres (RCCs), Regional Climate Outlook Forums (RCOFs) and NMHSs, and in the context of the Climate Services Information System (CSIS) of the Global Framework for Climate Services (GFCS);
 - (vi) To monitor the provision of products and services by designated RA II GDPFS Centres within the framework of the Emergency Response Activities (ERA) Programme, and advise on evolving requirements for ERA operational systems and services;
 - (vii) To coordinate, monitor and facilitate the implementation of the Severe Weather Forecasting Demonstration Project (SWFDP) in RA II;

- (c) Expert Group on Public Weather Services (PWS) Delivery(EG-PWS) with the following terms of reference:
- (i) To coordinate all activities related to PWS in the Region in cooperation with the Commission for Basic Systems (CBS);
 - (ii) To mainstream Service Delivery as contained in “The WMO Strategy for Service Delivery” and its Implementation Plan, as a main priority in the work of the PWS and in guiding its future development in the Region;
 - (iii) To facilitate the implementation of the Strategy to address specific aspects of PWS through activities such as conducting socio-economic studies and evaluations, improving media relations, and designing and implementing pilot and demonstration projects related to PWS delivery;
 - (iv) To coordinate the contribution of PWS to such high priority areas as the Global Framework for Climate Services (GFCS) with particular focus on the User Interface Platform; the WIGOS and WIS; disaster reduction and mitigation; and capacity development;
 - (v) To assist NMHSs strengthen their capabilities to ensure efficient and effective preparation and delivery of warning services through the national PWS programmes and channels by embedding early warning systems within an operational end-to-end service delivery framework;
 - (vi) To encourage stronger dialogue between NMHSs and development partners and users (e.g., media, health, emergency management) in areas relevant to PWS;
 - (vii) To encourage and provide guidance to Members to assert the authority of NMHSs as the sole providers of official high-impact weather warnings;
 - (viii) To collaborate with development partners and other WMO entities to assist NMHSs in the identification and assessment of societal, economic and environmental impacts and benefits of hydrometeorological services;
 - (ix) To promote and support the education and training of the public and other users of forecasts and warnings products and services on their use and interpretation, including uncertainty information;
 - (x) To inform Members of, and evaluate, technical and scientific developments relating to the formulation, content, presentation, and dissemination of weather information, as well as the inclusion of information on the impacts of weather phenomena and the corresponding advice, and coordinate the related recommendations for application by Members;
 - (xi) To establish education and training requirements related to the PWS delivery, in accordance with the competency requirements established by CBS;
 - (xii) To improve procedures for the exchange of severe weather warnings between neighbouring countries;
 - (xiii) To monitor progress on the implementation of the current WMO Strategic Plan on matters related to PWS in the Region;

- (3) That the Expert Group on Aeronautical Meteorological Services Delivery (EG-AeM) should be composed of the following core members:
- (a) The co-coordinators of the EG-AeM;
 - (b) Theme leader in QMS implementation and maintenance;
 - (c) Theme leader in competency assessment;
 - (d) Theme leader in meteorological support to Air Traffic Management and provision of SIGMETs;

The theme leaders should function both individually within their designated responsibilities and also as a team in order to accomplish the work of the Expert Group with respect to the terms of reference of the Expert Group and those of theme leaders to be decided by the Expert Group;

- (4) That the Expert Group on Operational Forecasting (EG-OF) should be composed of the following core members:
- (a) The co-coordinators of the EG-OF;
 - (b) Theme leader in operational forecasting process and support, from nowcasting to medium-range forecasting, including severe weather forecasting;
 - (c) Theme leader in operational predictions from sub-seasonal to longer-time scales;
 - (d) Theme leader in Emergency Response Activities (ERA);

The theme leaders should function both individually within their designated responsibilities and also as a team in order to accomplish the work of the Expert Group with respect to the terms of reference of the Expert Group and those of theme leaders to be decided by the Expert Group;

- (5) That the Expert Group on PWS Delivery(EG-PWS) should be composed of the following core members:
- (a) The co-coordinators of the EG-PWS;
 - (b) Theme leader in socio-economic benefits of meteorological and hydrological services;
 - (c) Theme leader in all aspects related to formulation, dissemination and assessment of warnings and delivery of warning services, including coordination and collaboration with disaster management agencies and organizations and the media;
 - (d) Theme leader in education and public outreach related to PWS;

The theme leaders should function both individually within their designated responsibilities and also as a team in order to accomplish the work of the Expert Group with respect to the terms of reference of the Expert Group and those of theme leaders to be decided by the Expert Group;

- (6) To designate in accordance with Regulation 33 of the WMO General Regulations [Expert Name] ([Country Name])(to be decided by the Management Group) as chairperson of the Working Group, Mr Boon-leung Choy (Hong Kong, China) and Ms Marina Petrova (Russian Federation) as co-coordinators of the Expert Group on Aeronautical Meteorological

Services Delivery and Mr Yuki Honda (Japan) and Ms Irina Zaytseva (Uzbekistan) as co-coordinators of the Expert Group on Operational Forecasting; and Mr Lap-shun Lee (Hong Kong, China), Dr Muhammad Hanif (Pakistan) and Mr Alexey Lyakhov (Russian Federation) as co-coordinators of the Expert Group on Public Weather Services Delivery;

- (7) To invite theme leaders and other voluntary experts, to be decided by the Management Group of RA II in consultation with the chairpersons of the Working Group and Co-Coordimators of Expert Groups, to serve as members of the Expert Groups;
- (8) To request the chairperson of the Working Group to develop a Working Group implementation plan, in collaboration with the co-coordinators of Expert Groups and in consultation with the president and Management Group of the Association, with reference to the key performance indicators/targets and action plans under the respective expected results of the Strategic Operating Plan for the Enhancement of National Meteorological and Hydrological Services in Regional Association II (Asia) (2012–2015), to undertake work on the various theme areas under the charge of the Expert Groups; and submit to the president of the Association an annual report by 31 December every year and a final report in time for presentation to the next session of the Association, both copied to the WMO Secretariat, with inputs from the co-coordinators and theme leaders under the Working Group;
- (9) To request the co-coordinators of the Expert Group to submit annual reports to the chairperson of the Working Group and a final report no later than three months before the next session of the Association;
- (10) To request the theme leaders to submit annual reports to the co-coordinators of the respective Expert Groups;

Requests the Secretary-General to support the work of the Working Group, Expert Groups and theme leaders.

**RESOLUTION 5.1/3 (RA II-15) –
RA II WORKING GROUP ON CLIMATE SERVICES**

REGIONAL ASSOCIATION II (ASIA),

Noting:

- (1) The Report of the Meeting of the RA II Sub-Group on Climate Applications and Services, Daegu, Republic of Korea, 30 November to 2 December 2010,
- (2) The *Abridged Final Report with Resolutions of the Sixteenth World Meteorological Congress* (WMO-No. 1077), including its decisions within Resolution 17 (Cg-XVI) – Implementation of the Climate Services Information System; Resolution 18 (Cg-XVI) - the World Climate Programme; Resolution 22 (Cg-XVI) the Agricultural Meteorology Programme and Resolution 48 (Cg-XVI) - Implementation of the Global Framework for Climate Services,
- (3) The *Abridged Final Report with Resolutions of the Fourteenth Session of Regional Association II (Asia)* (WMO-No. 1037), including its Resolution 9 (XIV-RA II) – RA II Working Group on Climate Services, Adaptation and Agrometeorology,
- (4) The *WMO Strategic Plan 2012-2015* (WMO-No. 1069),
- (5) The Strategic Operating Plan for the Enhancement of National Meteorological and Hydrological Services (NMHSs) in Regional Association II (Asia) (2012–2015),

Considering that Regional Association II should continue to play an important and active role in the implementation of WMO regional activities in the field of climate services including agrometeorological services, with particular attention to matters relevant to implementation of the Global Framework for Climate Services (GFCS) in RA II,

Decides:

- (1) To establish the Regional Association II Working Group on Climate Services (WGCS) with the following terms of reference:
 - (a) To provide assistance and advice to the president of Regional Association II on all matters pertaining to the regional aspects of the relevant components of the World Climate Programme and the Agricultural Meteorology Programme and, in particular, to assist and advise the president of RA II all matters relevant to implementation of GFCS in the Region;
 - (b) To cooperate with the Commission for Climatology (CCI) and the Commission for Agricultural Meteorology (CAgM) and other WMO bodies on activities related to climate services;
 - (c) To undertake and to coordinate activities relating to climate services as listed in items 2 (a) and 2 (b) below, respectively;
 - (d) To report, through the chairperson of the WGCS, to the president of RA II on an annual basis on activities relative to the above terms of reference;
- (2) That the Working Group should be composed of two expert groups, as follows:
 - (a) Expert Group on Climate Services (EG-CS) with the following terms of reference:

- (i) To foster, promote and advise on the implementation of the GFCS, particularly its CSIS and UIP, in the Region, including through pilot projects;
 - (ii) To assist and advise the president of RA II on all matters relevant to implementation and operation of Regional Climate Centres (RCCs) in the Region;
 - (iii) To promote the use of GPC and RCC products in national climate services;
 - (iv) To seek cooperation with relevant regional bodies and organizations on issues related to implementing user-targeted climate services for key sectors (e.g. agriculture, water resources, health), including to foster and promote best practices in establishing national frameworks for climate services;
 - (v) To identify the optimal means of meeting regional and national needs for climate information, products and services for Climate Risk Management and Adaptation;
 - (vi) To promote best practices in and to advise on implementation of new Regional Climate Outlook Forums;
 - (vii) To promote best practices in climate system monitoring and operational Climate Watch initiatives;
 - (viii) To promote regionally coordinated capacity development activities in support of climate services;
 - (ix) To promote and advise on research initiatives required to improve operational production of climate products;
 - (x) To report, through the EG-CS co-coordinators, to the chairperson of the WGCS annually;
- (b) Expert Group on Agrometeorology (EG-AgM) with the following terms of reference:
- (i) To survey RA II Members to identify agrometeorological experts/staff and training needs in the Region;
 - (ii) To make recommendations on establishing Agromet Advisory Services in RA II countries;
 - (iii) To review the monitoring and forecasting of soil moisture conditions and their use in assessing crop water requirements;
 - (iv) To review the monitoring and preparedness strategies for drought including drought indices and early warning systems, and the extent of their implementation in RA II;
 - (v) To review and evaluate the operational use of seasonal to inter-annual climate forecasts applications to agriculture in RA II and make recommendations to improve the presentation of these forecasts to the agricultural community;
 - (vi) To review studies on the socio-economic impact of agrometeorological information in RA II to agriculture, livestock management, forestry, rangelands and fisheries sectors;

- (vii) To report, through the EG-AgM co-coordinators, to the chairperson of the WGCS annually.

(3) That the Expert Group on Climate Services (EG-CS) should be composed of the following core members:

- (a) The co-coordinators of EG-CS;
- (b) Theme leader in user liaison and applications of climate information and products for climate risk management and adaptation to climate change;
- (c) Theme leader in implementation and operation of Regional Climate Centres;
- (d) Theme leader in operational regional and national Climate Outlook Forums;
- (e) Theme leader in climate monitoring and climate watch;
- (f) Theme leader in climate research for development as well as applications of climate information tailored to key sectors;

The theme leaders should function both individually within their designated responsibilities and also as a team in order to accomplish the work of the Expert Group with respect to the terms of reference of the Expert Group and those of the theme leaders to be decided by the Expert Group;

(4) That the Expert Group on Agrometeorology (EG-AgM) should be composed of the following core members:

- (a) The co-coordinators of EG-AgM;
- (b) Theme leader in RA II agrometeorological training needs;
- (c) Theme leader in soil moisture monitoring;
- (d) Theme leader in drought preparedness and management strategies;
- (e) Theme leader in seasonal climate forecast applications for agriculture;
- (f) Theme leader in socio-economic impact of agrometeorological information;

The theme leaders should function both individually within their designated responsibilities and also as a team in order to accomplish the work of the Expert Group with respect to the terms of reference of the Expert Group and those of the theme leaders to be decided by the Expert Group;

(5) To designate in accordance with Regulation 33 of the WMO General Regulations [Expert Name] ([Country Name])(to be decided by the Management Group) as chairperson of the Working Group on Climate Services (WGCS); Mr Ryuji Yamada (Japan) and Dr Ghulam Rasul (Pakistan) as co-coordinators of the Expert Group on Climate Services (EG-CS); and

Dr N. Chattopadhyay (India) and Dr Alexander Kleshchenko (Russian Federation) as co-coordinators of the Expert Group on Agrometeorology (EG-AgM);

- (6) To invite theme leaders and other voluntary experts, to be decided by the Management Group of RA II in consultation with the chairpersons of the Working Group and Co-Coordiators of Expert Groups, to serve as members of the Expert Groups;
- (7) To request the chairperson of the Working Group to develop a Working Group implementation plan, in collaboration with the co-coordinators of Expert Groups and in consultation with the president and Management Group of the Association, with reference to the key performance indicators/targets and action plans under the respective expected results of the Strategic Operating Plan for the Enhancement of National Meteorological and Hydrological Services in Regional Association II (Asia) (2012–2015), to undertake work on the various theme areas under the charge of the Expert Groups; and submit to the president of the Association an annual report by 31 December every year and a final report in time for presentation to the next session of the Association, both copied to the WMO Secretariat, with inputs from the co-coordinators and theme leaders under the Working Group;
- (8) To request the co-coordinators of each Expert Group to submit annual reports to the chairperson of the Working Group on Climate Services (WGCS) and a final report no later than three months before the next session of the Association;
- (9) To request the theme leaders to submit annual reports to the co-coordinators of the respective Expert Groups;

Requests the Members concerned to provide full support to the experts nominated in order to ensure that they are able to fulfil the tasks assigned to them;

Requests the Secretary-General to support the work of the Working Group, Expert Groups and theme leaders.

**RESOLUTION 5.1/4 (RA II-15) –
RA II WORKING GROUP ON HYDROLOGICAL SERVICES**

REGIONAL ASSOCIATION II (ASIA),

Noting:

- (1) Resolution 17 (Cg-XIV) – Hydrology and Water Resources Programme,
- (2) Resolution 25 (Cg-XIII) – Exchange of Hydrological Data and Products,
- (3) Resolution 10 (XIV-RA II) – Working Group on Hydrological Forecasts and Assessment,
- (4) The Report of the Meeting of the Working Group on Hydrological Forecasts and Assessments, Seoul, Republic of Korea, 23-26 November 2010,
- (5) The Strategic Operating Plan for the Enhancement of National Meteorological and Hydrological Services (NMHSs) in Regional Association II (Asia) (2012–2015),

Considering that Regional Association II should continue to play an important and active role in the implementation of WMO regional activities in the field of hydrology and water resources,

Decides:

- (1) To establish the Regional Association II Working Group on Hydrological Services (WGHS) with the following terms of reference:
 - (a) To provide assistance and advice to the president of the Association on all questions pertaining to the regional aspects of the Hydrology and Water Resources Programme;
 - (b) To engage in and monitor the implementation of water-related activities documented in the RA II Strategic Operating Plan;
 - (c) To undertake activities relating to the Hydrology and Water Resources Programme as listed in item (2) below;
 - (d) To cooperate with the Commission for Hydrology and other WMO bodies on activities and projects related to hydrology and water resources;
 - (e) To seek cooperation with other regional bodies and organizations on issues related to the Hydrology and Water Resources Programme;
 - (f) To actively contribute to the Global Framework for Climate Services through dedicated components in the identified theme areas of work during the next intersessional period 2013-2016;
 - (g) To undertake activities related to the transfer of technology through HOMS and capacity building in a cross-cutting manner;
- (2) To invite all Members of the Region to designate hydrological experts to serve on the Working Group and attend its meetings in the following theme areas identified for the work of the WGHS:

- (a) Strengthening the capability of Members to assess their water resources: water resources assessment, its variability and use (surface water including reservoirs and groundwater);
 - (b) Improve accuracy and timeliness of forecasting floods of different cause and origin through enhanced cooperation between NMSs and NHSs – within the context of the WMO Flood Forecasting Initiative;
 - (c) Hydrological aspects of drought, including drought monitoring, and assessment of water scarcity and deficits;
 - (d) Hydrological responses to climate variability and change and promotion of the use of climate information by water managers;
 - (e) Improved accuracy of hydrometric and sediment observations including space-based technologies;
 - (f) Sediment disasters and mass movements (flood and rainfall induced);
- (3) To designate in accordance with Regulations 33 and 168 of the WMO General Regulations Dr Sung Kim (Republic of Korea) as the Hydrological Adviser to the president of RA II and as chairperson of the Working Group;
 - (4) To designate Mr Muhammad Riaz (Pakistan) as vice-chairperson of the Working Group;

Requests the chairperson of the Working Group:

- (1) In his capacity as Hydrological Adviser, to assist the president of RA II in accordance with the duties stipulated in WMO General Regulation 168 (b);
- (2) To develop a Working Group implementation plan in consultation with the president and the Management Group of the Association, with reference to the key performance indicators/targets and action plans under the respective expected results of the Strategic Operating Plan, to undertake work on the various theme areas under the charge of the Working Group;
- (3) To participate in Executive Council sessions, when invited, representing the regional interests in relation to hydrology and water resources and to coordinate the WGHS activities with the Commission for Hydrology and other regional Working Groups on Hydrology;
- (4) To submit to the president of the Association an annual report by 31 December every year and a final report in time for presentation to the next session of the Association, both copied to the WMO Secretariat, with inputs from theme leaders under the Working Group;

Requests theme leaders to submit annual reports to the chairperson;

Urges the Members concerned to provide full support to the WGHS in order to ensure that the WGHS is able to fulfill the tasks assigned to it;

Requests the Secretary-General to support the work of the Working Group and theme leaders.

**RESOLUTION 5.1/5 (RA II-15) –
RA II WORKING GROUP ON WMO INTEGRATED GLOBAL OBSERVING SYSTEM AND WMO
INFORMATION SYSTEM**

REGIONAL ASSOCIATION II (ASIA),

Noting:

- (1) The WMO Strategic Plan (WMO-No. 1029),
- (2) The Strategic Operating Plan for the Enhancement of National Meteorological and Hydrological Services (NMHSs) in RA II (Asia) 2012-2015,
- (3) Resolution 1 (Cg-XVI) – World Weather Watch Programme for 2012–2015,
- (4) Resolution 3 (Cg-XVI) – Global Observing System,
- (5) Resolution 7 (Cg-XVI) – Instruments and Methods of Observation Programme,
- (6) Resolution 10 (Cg-XVI) – Atmospheric Research and Environment Programme,
- (7) Resolution 19 (Cg-XVI) – Development of an Architecture for Climate Monitoring From Space,
- (8) Resolution 24 (Cg-XVI) – Marine Meteorology and Oceanography Programme,
- (9) Resolution 26 (Cg-XVI) – WMO Quality Management Framework,
- (10) Resolution 36 (Cg-XVI) – WMO Strategic Plan (2012-2015),
- (11) Resolution 48 (Cg-XVI) – Implementation of the Global Framework for Climate Services,
- (12) Resolution 50 (Cg-XVI) – Implementation of the WMO Integrated Global Observing System (WIGOS),
- (13) Resolution 51 (Cg-XVI) – Designation of Centres of the WMO Information System,
- (14) Resolution 55 (Cg-XVI) – Antarctic Observing Network,
- (15) Resolution 60 (Cg-XVI) – Global Cryosphere Watch,
- (16) Resolution 1 (EC-64) – Review of the Role and Responsibilities of Regional Associations,
- (17) Resolution 10 (EC-64) – WIGOS Framework Implementation Plan (WIP),
- (18) Resolution 11 (EC-64) – Radio Frequencies for Meteorological and Related Environmental Activities,
- (19) Resolution 12 (EC-64) – Designation of Centres of the WMO Information System,
- (20) Recommendation 4.2/5 (CBS-15) – Implementation Plan for the Evolution of Global Observing Systems (EGOS-IP),
- (21) Draft Resolution 4.4/1(RA II-15) – Regional WIGOS Implementation Plan,

- (22) Draft Resolution 4.4/2 (RA II-15) – Regional Basic Synoptic Network and Regional Basic Climatological Network in Region II,
- (23) Annex to Resolution 4 (EC-LX) – Volunteerism in the work of technical commissions and regional associations,

Considering:

- (1) That WMO observing systems' and co-sponsored systems' data are of vital importance to the Members of Regional Association II to meet existing and new requirements for meteorological services,
- (2) That the WMO Information System provides for the collection and sharing of information for all WMO and related international programmes, through three fundamental types of services: (a) routine collection and dissemination service for time-critical and operation-critical data and products; (b) data discovery, access and retrieval service; and (c) timely delivery service for data and products,
- (3) That the implementation of the World Weather Watch and other relevant WMO Programmes and co-sponsored Programmes in the Region needs to be kept under constant review,
- (4) That the introduction of the new concepts and technology into the World Weather Watch will be of great benefit to all Members in the Region,

Decides:

- (1) To establish the Regional Association II Working Group on WMO Integrated Global Observing System and WMO Information System (WG-WIGOS/WIS) with the following terms of reference:
 - (a) To monitor and coordinate the implementation of WIGOS and WIS in the Region; propose measures for improvements, especially for overcoming gaps, deficiencies and inconsistencies in the implementation of these systems; and promote active involvement of the Members of the Region in the implementation of these systems;
 - (b) To advise on and provide overall technical guidance, assistance and support to the Members of the Region for the implementation of WIGOS and WIS at the regional and national levels;
 - (c) To promote capacity-development and outreach activities to assist Members in the implementation of WIGOS and WIS;
 - (d) To liaise with the relevant RA II Working Groups on matters related to WIGOS and WIS implementation;
 - (e) To advise the president of the Association on matters concerning the implementation of WIGOS and WIS in the Region;
 - (f) To provide the president of the Association with recommendations for presentation under appropriate agenda items in sessions of technical commissions, joint sessions of the presidents of technical commissions and presidents of regional associations, and the Executive Council;
- (2) That the Working Group should be composed of two expert groups, as follows:

- (a) Expert Group on WMO Integrated Global Observing System (EG-WIGOS) with the following terms of reference:
- (i) To coordinate planning and implementation of WIGOS in the Region, in accordance with the Regional WIGOS Implementation Plan, taking into account needs and priorities specified by the RA II Strategic Operating Plan;
 - (ii) To coordinate the development and implementation on the national WIGOS Implementation Plans;
 - (iii) To monitor the progress made in the implementation and operation of WIGOS component observing systems in the Region; advise on possible improvements and priorities for appropriate actions and the need for external support, where required, according to the technical guidance of the technical commissions as represented in the EGOS-IP and other observation system implementation plans in order to evolve and implement observing systems in the Region;
 - (iv) To assess and continuously monitor regional observational requirements, identify regional gaps and identify capacity development projects within the Region to address those gaps;
 - (v) To support an effective implementation of the EGOS-IP in the Region;
 - (vi) To keep abreast of new developments in WMO observing systems and co-sponsored systems and to make recommendations for their implementation in the Region;
 - (vii) To keep under review regional practices and guidelines relevant to observing networks and instruments and methods of observation, and to foster an efficient collaborative network of Regional Instrument Centres in the Region;
 - (viii) To coordinate relevant activities with the regional groupings involved in observations to ensure consistency of approach and integration in respect of observing networks, procedures and monitoring;
 - (ix) To act as lead for the Regional Association, working with Members, to maintain regulatory material related to regional aspects of WIGOS and WIS;
 - (x) To advise the president of the Association and the chairperson of the Working Group on the proposed composition and changes to the RBSN and RBCN;
- (b) Expert Group on WMO Information System (EG-WIS) with the following terms of reference:
- (i) To monitor the progress made in the implementation and operation of WIS in the Region and advise on possible improvements and priorities for appropriate actions to be carried out under the respective WMO Programmes and co-sponsored Programmes;
 - (ii) To keep abreast of new developments in WIS, promote the relevant WIS support to all WMO Programmes, and make recommendations, in compliance with relevant WMO Technical Regulations, for WIS implementation in the Region as regards communication techniques,

communication structure, data management, data and metadata representation and relevant monitoring activities;

- (iii) To keep under constant review the Regional Meteorological Telecommunication Network and its implementation, as the WIS component for time-critical and operation-critical exchange, identify shortcomings and recommend appropriate measures for remedial action in the Region;
- (iv) To provide guidance to the Members of the Region in capacity-building for information and outreach relevant to improving WIS;

(3) That the Working Group on WIGOS and WIS (WG-WIGOS/WIS) should be composed of the following core members:

- (a) The chairperson and vice-chairperson of the Working Group;
- (b) The co-coordinators of the Expert Group on WIGOS (EG-WIGOS), with theme leaders to be proposed by the co-coordinators of EG-WIGOS and decided by the Management Group;
- (c) The co-coordinators of the Expert Group on WIS (EG-WIS), with theme leaders to be proposed by the co-coordinators of EG-WIS and decided by the Management Group;
- (d) Chairpersons of taskteams as decided by the Management Group, when necessary;

(4) To designate, in accordance with Regulation 33 of the WMO General Regulations, [Expert Name] ([Country Name]) (to be decided by the Management Group) as chairperson of the Working Group, [Expert Name] ([Country Name]) (to be decided by the Management Group) as vice-chairperson of the Working Group; Mr Yongqing Chen (China) and Dr Jaegwang Won (Republic of Korea) as co-coordinators of the Expert Group on WIGOS; and Ms Xiang Li (China) and Mr Kenji Tsunoda (Japan) as co-coordinators of the Expert Group on WIS;

(5) To request the chairperson to:

- (a) Submit to the Management Group within three months a Working Group work programme and action plan for the period 2012–2015 with due account of the deliverables outlined in the RA II Strategic Operating Plan;
- (b) Submit proposals to the Management Group for establishment of task teams, including terms of reference, as necessary, to facilitate successful implementation of the RA II Strategic Operating Plan in the area of responsibility of the Working Group;
- (c) Submit an annual progress report to the president of the Association and WMO Secretariat in due time before Executive Council sessions;
- (d) Submit a final report to the president of the Association at least three months before the next session of the Association;

(6) To invite Members to nominate experts who are committed to serve actively on the Working Group;

Requests the Secretary-General to support the work of the Working Group, Expert Groups and theme leaders.

**RESOLUTION 5.1/6 (RA II-15) –
RA II IMPLEMENTATION COORDINATION TEAM ON SERVICE DELIVERY**

REGIONAL ASSOCIATION II (ASIA),

Noting:

- (1) The WMO Strategic Plan 2012 - 2015 (WMO-No. 1069),
- (2) The Strategic Operating Plan for the Enhancement of National Meteorological and Hydrological Services (NMHSs) in RA II (Asia) 2012-2015,
- (3) Resolution 6 (EC-LXIII) – Executive Council Working Group on Service Delivery,
- (4) Resolution 12 (Cg-XVI) - Hydrology and Water Resources Programme,
- (5) Resolution 17 (Cg-XVI) - Implementation of the Climate Services Information System,
- (6) Resolution 20 (Cg-XVI) – Public Weather Services Programme,
- (7) Resolution 23 (Cg-XVI) – Tropical Cyclone Programme,
- (8) Resolution 24 (Cg-XVI) – Marine Meteorology and Oceanography Programme,
- (9) Resolution 26 (Cg-XVI) - WMO Quality Management Framework,
- (10) Resolution 48 (Cg-XVI) - Implementation of the Global Framework for Climate Services,
- (11) Resolution 49 (Cg-XVI) - WMO Strategy for Capacity Development,
- (12) Resolution 53 (Cg-XVI) - Aeronautical Meteorology Programme,

Noting further that weather, climate and water information are important factors in decision-making in many socio-economic sectors of Regional Association II,

Having considered that service delivery is a cross-cutting issue requiring the expertise of weather, climate and water professionals and also the expertise of social and economic specialists and sector-based experts,

Decides:

- (1) To establish the Regional Association II Implementation Coordination Team on Service Delivery (ICT-SD) in support of the development of capacity for RA II Members to deliver weather-, climate- and water-related services with the following terms of reference:
 - (a) To facilitate the implementation of “The WMO Strategy for Service Delivery” as laid out in its Implementation Plan to guide all aspects of Service Delivery in the Association, including pilot and demonstration projects, and twinning arrangements between NMHSs in the Region;
 - (b) To provide guidance to RA II Members on strengthening partnerships at the national to international levels, including between providers of weather-, climate- and water-related products and services and users in the public and private sectors: the media; academia; social and economic sciences; international and intergovernmental agencies; and non-governmental organizations;

- (c) To provide guidance to RA II Members in capacity-building for information and outreach relevant to improving service delivery;
 - (d) To recommend strategies and priorities for research and development as well as infrastructure relevant to, and enabling, effective service delivery in the Region;
 - (e) To assess the effectiveness of programmes in improving services down to the end-user level, and advise on corrective steps where necessary;
 - (f) To keep under review education and training requirements related to service delivery;
- (2) To designate in accordance with Regulation 33 of the WMO General Regulations Mr Jianjun Xue (China) as chairperson of the Implementation Coordination Team on Service Delivery;

Requests the chairperson of the Implementation Coordination Team on Service Delivery (ICT-SD):

- (a) To develop an implementation plan, in consultation with the president and Management Group of the Association, with reference to the key performance indicators/targets and activities under the respective expected results of the Strategic Operating Plan for the Enhancement of National Meteorological and Hydrological Services in Regional Association II (Asia) (2012-2015), to undertake work as mandated by the terms of reference of the Implementation Coordination Team;
- (b) To participate in the relevant sessions of WMO constituent bodies and expert groups, when invited, representing the regional interests, including regional needs and priorities, in relation to service delivery and to coordinate the Implementation Coordination Team on Service Delivery activities with the JCOMM, the CAeM, CAgM, CHy and CCI;
- (c) To submit to the president of the Association an annual report by 31 December every year and a final report in time for presentation to the next session of the Association, both copied to the WMO Secretariat, with inputs from all relevant expert groups in RAI whose role includes service delivery;

Requests the Secretary-General to support the work of the Implementation Coordination Team.

**RESOLUTION 5.1/7 (RA II-15) –
RA II IMPLEMENTATION COORDINATION TEAM ON DISASTER RISK REDUCTION**

REGIONAL ASSOCIATION II (ASIA),

Noting;

- (1) The WMO Strategic Plan 2012 - 2015 (WMO-No. 1069),
- (2) The Strategic Operating Plan for the Enhancement of National Meteorological and Hydrological Services (NMHSs) in RA II (Asia) 2012-2015,
- (3) The *Abridged Final Report with Resolutions of the Sixty-fourth Session of the Executive Council* (WMO-No. 1092), item 4 in the general summary with Resolution 8 and its Annex,
- (4) The *Abridged Final Report with Resolutions of the Sixteenth World Meteorological Congress* (WMO-No. 1077), general summary, paragraphs 11.5.1 to 11.5.21, and Resolution 52 (Cg-XVI) – Disaster Risk Reduction Programme,
- (5) The Final Report of the 2012 Meeting of Presidents of Technical Commissions (PTC-2012), Geneva, 30 January-1 February 2012,
- (6) The Final Report of the 2012 Meeting of Presidents of Regional Associations (PRA-2012) Geneva, Switzerland, 30-31 January 2012,

Noting further the adoption of:

- (1) The Beijing Action for Disaster Risk Reduction adopted at the First Asian Ministerial Conference on Disaster Risk Reduction (AMCDRR) (Beijing, China, 2005),
- (2) The Delhi Declaration at the Second AMCDRR (New Delhi, India, 2007),
- (3) The Kuala Lumpur Declaration at the Third AMCDRR (Kuala Lumpur, Malaysia, 2008),
- (4) The Incheon Declaration at the Fourth AMCDRR (Incheon, Republic of Korea, 2010),
- (5) The Yogyakarta Declaration at the Fifth AMCDRR (Yogyakarta, Indonesia, 2012),

Considering:

- (1) Disaster risk reduction as one of the five priority areas for consideration under voluntary resources of WMO and among the high priority areas recommended by the High-Level Taskforce on the Global Framework for Climate Services (GFCS),
- (2) The WMO DRR Programme as crosscutting and inextricably linked to other WMO Programmes, technical commissions, regional associations and the Secretariat,
- (3) The importance of user-driven approach to development and delivery of meteorological, hydrological and climate services to support policy development, risk analysis, multi-hazard early warning systems, sectoral risk management and disaster risk financing,
- (4) The WMO DRR Work Plan (2012-2015) approved by EC-64,

Considering further:

- (1) The expressed need of Members for guidelines, standards and training modules for development and delivery of meteorological, hydrological and climate services to support DRR decision-making, in alignment with principles of quality management systems,
- (2) The experiences of Asia as one of the most natural hazard prone regions and that the region is one of the most active around the world with respect to the development of regional DRR strategy through the regular convening of the high-level AMCDRR,
- (3) The opportunities for coordination of the Associations strategy with the regional DRR strategies through the Associations' representation and active engagement at the high-level AMCDRR,
- (4) That a number of NMHSs in the Region were among the good practices for provision of such services to the user-community, and could thus support the development of DRR knowledge products and training materials,
- (5) The importance of lessons learned from national/regional coordinated DRR and adaptation projects for further implementation of the DRR Programme and governance mechanism,
- (6) A number of technical assistance projects, namely, the Severe Weather Forecasting Demonstration Project (SWFDP), Flash Flood Guidance (FFG) systems and Coastal Inundation Forecasting Demonstration Project (CIFDP), Integrated Drought Management, WMO Flood Management, the WMO Emergency Response Activities as well as further development of the Global Data-Processing and Forecasting System (GDPFS), the WMO Integrated Global Observing Systems (WIGOS) and the WMO Information System (WIS)) are critical in supporting disaster risk reduction in the Region,
- (7) That one of the three comprehensive and coordinated DRR national/regional projects, approved by Cg-XVI and EC-64 was located in Southeast Asia. This project involves Lao People's Democratic Republic, Cambodia, Thailand, Viet Nam, Indonesia and the Philippines (spanning RA II and RA V) provided an enabling environment for demonstrating the benefits of integrated planning and coordination engaging the WMO Technical Commissions (TCs) and Programmes and RA V with the Association, Members, WMO coordinated network of Regional Specialized Meteorological Centres (RSMCs), Regional Climate Centres (RCCs), Global Producing Centres (GPCs), Regional Training Centres (RTCs), and various regional mechanisms such as the Tropical Cyclone Committees and regional and national DRR Platforms as well as ASEAN and other partners to assist Members,

Decides to establish the Regional Association II Implementation Coordination Team on Disaster Risk Reduction (ICT-DRR), that would report directly to the RA II Management Group (MG), comprised of the chairpersons of the RA II Working Groups, and that the chairperson of the ICT-DRR would serve as the DRR Coordinator for the RA II MG;

Requests the Secretary-General to:

- (1) Provide further details on requirements and needs of the DRR Work Plan (2012-2015) to the president, the DRR Coordinator of the Management Group (i.e., the chairperson of ICT-DRR) and Permanent Representatives of Members in RA II;
- (2) In coordination with the Regional Office of the United Nations Strategy for Disaster Risk Reduction (UN-ISDR) to assist the president of the Association, the DRR Coordinator of the Management Group to participate and actively engage in the AMCDRR;

Decides:

- (1) That the terms of reference of the ICT-DRR would include;
 - (a) To support the planning and engagement of the Association's participation in the AMCDRR;
 - (b) To ensure coordinated engagement of the relevant RA II Working Groups to support the assessments, development of the requirements, prioritization of capacity development needs, execution, evaluation and draw lessons learned from the DRR project in Southeast Asia;
 - (c) To prepare recommendations drawn from lessons learned and other regional considerations of the Management Group and ultimately report to the Congress pertaining to strengthening of the role of RAs and their WGs and their cooperation with regional DRR mechanisms for implementation;
 - (d) To identify countries and examples of good practices in the Region based on criteria developed by the DRR Expert Advisory Groups (EAGs);
 - (e) To compile a list of experts from NMHSs, RSMCs and RCCs nominated by the Permanent Representatives of Members with experiences in relevant areas related to DRR, who could be engaged to support the work of DRR EAGs related to the implementation of the DRR Work Plan (2012-2015);
 - (f) In collaboration with the Technical Commissions and the Secretariat, to ensure alignment of the technical cooperation projects within the comprehensive, coordinated and user-driven approach of the DRR Work Plan to ensure that meteorological, hydrological and climate services are developed based on user-requirements and linked to the institutional frameworks for DRR and climate adaptation nationally and regionally;
- (2) That the terms of reference of the chairperson of the ICT-DRR would include:
 - (a) To serve as the DRR Coordinator of the RA II Management Group;
 - (b) In coordination with the Secretariat and the regional office of the UNISDR, to assist the president of the Association to participate and actively engage in the AMCDRR;
 - (c) To liaise as the DRR Focal Point of the RA II MG with the WMO Secretariat and regional stakeholders pertaining to the implementation of the DRR Programme Work Plan (2012-2015);
 - (d) To participate on behalf of the WMO and RA II in the regional DRR Platforms and related events;
 - (e) To submit to the president of the Association an annual report by 31 December every year and a final report in time for presentation to the next session of the Association, both copied to the WMO Secretariat;
- (3) To designate in accordance with Regulation 33 of the WMO General Regulations Dr K.J. Ramesh (India) as chairperson of the Implementation Coordination Team on Disaster Risk Reduction;

Urges Members to support the implementation of the DRR Programme Work Plan in the context of regional/national development and contributions through documentation of their respective good practices;

Requests the Secretary-General to support the work of the Implementation Coordination Team.

WORLD METEOROLOGICAL ORGANIZATION

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DRA-AP/RA II-15/WGM, ANNEX III

REGIONAL ASSOCIATION II (ASIA)

PARTICULARS OF EXPERTS PROPOSED FOR CONSIDERATION AS MEMBERS OF
WORKING GROUPS / IMPLEMENTATION COORDINATION TEAM

Member: _____

1. Surname (Dr, Mr, Ms) _____ 2. First name: _____

3. Mailing address: _____

4. Telephone/Fax/E-mail address:

Tel: _____ Fax: _____

E-mail: _____

5. Employing institution and position held: _____

6. Please indicate anticipated working area and role (please refer to the structure and membership
of working group as identified in Annex I)

- **Working Group** on _____

- **Expert Group** on _____

- **Theme area** of _____

- **Role as** [Theme Leader / Volunteer Expert] (*select one*)

or

- **Member of** the Implementation Coordination Team on Service Delivery (_____) (*Check please*)

7. Signature

Date: _____

Signature: _____
(Permanent Representative)

To be returned this form with one-page curriculum vitae not later than **29 March 2013** to:

The Secretary-General
World Meteorological Organization
7bis, avenue de la Paix
Case postale No. 2300
1211 GENEVA 2

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