

# **REGIONAL ASSOCIATION II (ASIA)**

**SIXTH SESSION OF THE RA II MANAGEMENT GROUP**

**GENEVA**

**28 October 2012**

**FINAL REPORT**



**WORLD METEOROLOGICAL ORGANIZATION**



## SIXTH SESSION OF THE RA II MANAGEMENT GROUP

(Geneva, 28 October 2012)

### 1. ORGANIZATION OF THE SESSION (*agenda item 1*)

1.1 The sixth session of the RA II Management Group (MG-6) was held at the WMO Secretariat, Geneva, on 28 October 2012 on the occasion of the GFCS User Conference (A Dialogue for Climate Services Users and Providers) and the extraordinary session of the World Meteorological Congress (Cg-Ext. (2012)). The list of participants is attached as **Annex I** to this report.

1.2 Prof. Victor E. Chub, president of RA II opened the session at 17:20 hours on 28 October 2012. He extended a warm welcome to all participants and stressed the significance of the MG-6 session towards the effective preparation of the fifteenth session of RA II (RA II-15) in Doha in December 2012.

1.3 Mr Robert O. Masters, Director, Development and Regional Activities Department, also welcomed the participants, and highlighted the importance of the development of the RA II Strategic Operating Plan and the Regional WIGOS and WIS Implementation Plans. He wished a very efficient meeting.

1.4 The Management Group adopted the agenda of the session, which is given in **Annex II**.

### 2. MATTERS ARISING FROM THE FIFTH SESSION (*agenda item 2*)

2.1 The MG-6 recalled that, further to its fourth session (MG-4: Doha, Qatar, 29 February - 2 March 2012), the fifth session of the RA II Management Group (MG-5: Geneva, 29 and 30 June 2012) focused mainly on: the development of the RA II Strategic Operating Plan for 2012-2015; and the preparation for the fifteenth session of Regional Association II (RA II-15) and the RA II Regional Seminar.

2.2 The Group agreed that the further development of the Strategic Operating Plan 2012-2015; and the preparation for the fifteenth session of RA II are the main issues for the MG-6 session, which should be discussed under relevant agenda items 3 and 4. The Group further agreed that two matters arising from the MG-5 session on (a) the development of RA II Regional WIGOS Implementation Plan and (b) nomination of Principal Global Information System Centres (GISCs) in RA II should be discussed under agenda item 2.

#### Development of RA II Regional WIGOS Implementation Plan

2.3 The MG-6 recalled that the MG-5, taking into account the suggestions by China, Japan and the Chair of the Task Team on Regional WIGOS Implementation Plan, provided advice to the Task Team for streamlining the proposed projects/tasks to be implemented under the RA II Regional WIGOS Implementation Plan (R-WIP RA II).

2.4 The Group was pleased to note the progress on the further development and finalization of the R-WIP RA II by the Task Team. A meeting of the RA II Task Team was held in Jakarta, Indonesia from 11 to 13 September 2012 during the fifteenth session of the Commission for Basic Systems (CBS-15) with the participation of its five members, one observer and WMO Secretariat staff to revise the draft R-WIP RA II using a new R-WIP template prepared by the WIGOS Project Office of the WMO Secretariat in July 2012.

2.5 The MG-6 welcomed that the Task Team streamlined the number of projects/tasks and developed a new set of seven projects (a list of proposed RA II WIGOS projects is given in Annex III). The Task Team suggested that the current two RA II Pilot Projects: (a) to enhance the availability and quality management support for NMHSs in surface, climate and upper-air observations; and (b) to develop support for NMHSs in satellite data, products and training, be implemented within the framework of the R-WIP RA II. The Group noted that a project for capacity building in radar techniques was proposed by the ASEAN Sub-Group on Meteorology and Geophysics, targeting WMO Members in RA II and RA V in Southeast Asia. The proposed seven projects are being reviewed by key players of the projects. The Group commended the work of the Task Team for the development and improvement of the R-WIP RA II.

2.6 The Group felt that the proposed projects within the draft R-WIP RA II are mainly lead by Members in East Asia and that RA II Members in other sub-regions, e.g., South Asia, West Asia and Central Asia should be encouraged to propose possible WIGOS implementation projects including cross-regional projects. The Group agreed that the R-WIP RA II is a living document, which will be reviewed and updated periodically. In this regard, the MG-6 requested the Task Team to finalize the draft R-WIP to be submitted to the RA II-15 session for consideration and adoption. It further requested the Secretariat to urge Members in South Asia, West Asia and Central Asia to propose new projects for inclusion in the R-WIP RA II.

#### *Nomination of Principal Global Information System Centres (GISCs) in RA II*

2.7 The Group was pleased to note that the RA II survey for the nomination of principal GISCs was carried out in September-October 2012 aiming at facilitating the discussions for formal agreement at the RA II-15 session in December 2012. The survey questionnaire was prepared taking into consideration the possibilities of further designation of other potential GISCs in RA II in the near future and of nomination of principal GISCs outside of RA II (e.g., Moscow, Offenbach, etc.). The MG-6 was informed that 33 Members out of 35 had responded to the above survey. It noted that GISC Moscow had been assisting CIS Members in implementing WIS.

2.8 In this connection, the Group recalled that the development of the RA II Regional WIS Implementation Plan (R2-WIS-IP) had been initiated by dedicated experts of CMA and KMA as Local Secondments under the supervision of the Coordinator of the Sub-Group on WIS. The Group was pleased to note that an ad hoc Expert Meeting on Development of a Regional WIS Implementation Plan for RA II was held in Beijing, China from 17 to 19 October 2012.

2.9 The Group was informed that the expert meeting reviewed the initial draft taking into consideration the comments of RA II Members and agreed on the revised structure of the R2-WIS-IP. In view of the necessary work required for finalization of the R2-WIS-IP, the Group agreed on the timeline towards the adoption of the R2-WIS-IP as follows:

- 2nd draft R2-WIS-IP based on the recomposed structure : 15 November 2012
- 2nd user review and comment analysis : 30 November 2012
- Tentative final draft of R2-WIS-IP without some Appendices : 3 December 2012
- Final draft of R2-WIS-IP with all Appendices : 1st quarter of 2013
- Approval by the president of RA II in consultation with the MG : 1st quarter of 2013

2.10 The MG-6 also commended the work of the experts in the meeting for the development of the R2-WIS-IP and encouraged them to continue to work for finalizing the draft R2-WIS-IP along with the above timeline.

### **3. DEVELOPMENT OF RA II STRATEGIC OPERATING PLAN FOR 2012-2015** (*agenda item 3*)

#### **Development of RA II Operating Plan (OP) for 2012-2015**

3.1 The MG-6 recalled that the MG-5 considered that the following would be the highest priority areas for Region II for 2012-2015 for consideration and agreement at the RA II-15 session:

- (a) Further improvement of the GTS and implementation of the WIS/WIGOS;
- (b) Sustainable capacity development including human resources development;
- (c) Better climate services through the enhancement and operation of the RA II RCC network and RCOFs;
- (d) Establishment of a region-wide multi-hazard early warning system;
- (e) Upgrading of service delivery capability, in particular for aeronautical and marine meteorological services;
- (f) Implementation of WMO Flood Forecasting Initiative, water resources assessment and regional exchange of hydrological data and information; and
- (g) Reduction of risks and impacts of region specific hazards caused by sand and dust storms, thunderstorms and associated extreme weather events.

3.2 The Group also recalled that the MG-5 reviewed the draft RA II Operating Plan, proposed by the Task Team, in light of the following points:

- (i) Appropriateness of the number of deliverables (currently 122); and possible merging to avoid duplication and redundancy;
- (ii) Priority areas of RA II (as given in paragraph 3.1 above);
- (iii) Concreteness and feasibility of the proposed activities;
- (iv) Appropriateness of the target setting; and
- (v) Appropriateness of implementation/work schedule.

and considered that the currently proposed 122 deliverables and associated activities are comprehensive and specific and are in accordance with the above-mentioned high-priority areas of RA II. In recognizing the need for further refinement, the MG-5 endorsed the proposed draft RA II Operating Plan. The president requested the members of the Management Group to further review the draft RA II OP, in particular concerning the deliverables related to observations and those proposed under Expected Results 6-8.

3.3 The MG-6 was pleased to note that, with inputs from the Management Group and further refinement by the Task Team, the draft RA II Operating Plan 2012-2015 was distributed to RA II Members in October 2012 for their review and comments.

3.4 The Group reviewed the comments and suggestions received from Members on the draft RA II OP 2012-2015. The MG-6 noted that the responded RA II Members indicated their support for the draft RA II OP, and that, in response to the comments and suggestions from Hong Kong, China, the proposed deliverables and activities as well as the baselines and targets were further adjusted/modified and streamlined by the Task Team Chair and the Secretariat for consideration by the MG-6. A reference to the WMO Country Profile Database (CPDB) was added to encourage Members' contribution to CPDB and its best utilization for exchanging information and monitoring the progress.

3.5 Concerning the RA II priority areas, taking into account the suggestions by Members and in recognizing the existence of sub-region-specific priorities, the MG-6 reformulated the priority areas within the Region as follows for submission to the RA II-15 session:

- Implementation of the WIGOS/WIS and the necessary improvement of the GTS;
- Sustainable capacity development including human resources development;
- Implementation of the GFCS, including but not limited to enhancement and operation of the RA II RCC network and RCOFs;
- Establishment of a region-wide multi-hazard early warning system for Disaster Risk Reduction;
- Implementation of aeronautical meteorological services enhancements in coordination with CAeM and upgrading of service delivery capability in other application areas including marine meteorological services;
- Implementation of WMO Flood Forecasting Initiative, water resources assessment and regional exchange of hydrological data and information; and
- Reduction of risks and impacts of region specific hazards caused by sand and dust storms, thunderstorms and associated extreme weather events.

3.6 The Group reviewed the final draft RA II Operating Plan, and, with further comments and suggestions by Qatar; Hong Kong, China (also from the Commission for Aeronautical Meteorology (CAeM)); and the vice-president for refinement, the Management Group agreed that the president of RA II approve the RA II Operating Plan 2012-2015, which will be available on the RAP website at: <http://www.wmo.int/pages/prog/dra/rap/RAIIstrategicplan.php>.

3.7 The MG-6 was pleased to note that the approved RA II Operating Plan would constitute an integral part of the WMO-wide Operating Plan 2012-2015 and contribute to the WMO strategic planning process for 2016-2019. It also noted that the RA II-15 session will be invited to consider regional priority areas for 2016-2019.

#### **Development of RA II Strategic Operating Plan (SOP) for 2012-2015**

3.8 The MG-6 recalled that the MG-5 considered that the RA II Strategic Operating Plan should be composed of: (a) introduction (to describe the purpose and how to use), priority areas of RA II, monitoring and evaluation mechanism (strategy part); and (b) Operating Plan (table part).

3.9 It noted with appreciation that the Task Team, in consultation with the Secretariat, prepared a draft strategy part of the SOP, as given in **Annex IV**. The MG-6 welcomed the concise and clear strategy description proposed by the Task Team and expressed the view that the RA II SOP would be a valuable reference and guidance material to all the RA II Members.

3.10 The MG-6 agreed that, after further refinement of the RA II OP 2012-2015 (table part), if necessary, and finalization/refinement of the strategy part, by the Task Team, the RA II SOP 2012-2015 be submitted to the RA II-15 session for consideration and adoption.

#### **4. ORGANIZATION OF THE FIFTEENTH SESSION OF REGIONAL ASSOCIATION II (RA II-15) AND THE RA II REGIONAL SEMINAR (agenda item 4)**

##### **4.1 Preparation for RA II-15 session (agenda item 4.1)**

###### Date and place of RA II-15 session

4.1.1 The MG-6 reaffirmed that the RA II-15 would be held from Thursday, 13 December to Wednesday, 19 December 2012 (seven days including one-day holiday on Saturday, 15 December 2012), preceded by a two-day Regional Seminar on Tuesday, 11 and Wednesday, 12 December 2012, at Courtyard by Marriott Doha City Center Hotel, in Doha, Qatar.

4.1.2 The Group was informed that the formal notification of the date and place of the RA II-15 was sent to Members of WMO on 17 August 2012. The Group noted that the invitation to governmental and non-governmental international organizations, including regional partner organizations, has been sent on 4 October 2012. It noted that, as of 28 October 2012, 15 Members of RA II and three Members outside of RA II had notified their participation in the RA II-15 session.

#### Agenda

4.1.3 The Group noted that the Secretary-General approved the Provisional Agenda as proposed by the RA II Management Group but which would have a separate agenda item on the Global Framework for Climate Services and Follow-up to Cg-Ext. (2012) (as new agenda item 6). The approved Provisional Agenda (ref. RA II-15/Doc. 2.2(1)) is given in **Annex V**.

4.1.4 With regard to agenda item 5.1.1 (d) on the issue of the number of EC seats allocated to RA II, the MG-6 recalled that the MG-5 expressed the view that the RA II-15 should take a similar approach to XV-RA I (Marrakech, November 2010), which requested the president to propose a change to the WMO Regulations for consideration at Cg-XVI such that Africa would be assured nine seats on the Executive Council and prepared a relevant working paper for Cg-XVI. As a follow-up to the MG-5 discussions, the MG-6 agreed that a small group, composed of the president, vice-president, representatives of China and Qatar, be established to consider the possible appropriate approaches, including preparation of a draft resolution.

#### Work Plan

4.1.5 The MG-6 endorsed the revised Tentative Work Plan, as given in **Annex VI**, proposed by the Secretariat in order to incorporate the new agenda item 6 into the work plan and in view of the need for discussions on the emerging issues and specific challenges (agenda item 7) at an earlier date.

4.1.6 The Group considered that some side meetings would be necessary during the RA II-15 for defining the area of responsibility of each RA II GISC. It agreed that a videoconference be organized, as a side event, with the WMO Secretariat on the communications and public affairs. The MG-6 requested the Secretariat to continue to work for the plan of side events (an updated plan of side events is given in **Annex VII**) in consultation with the president and vice-president of RA II.

#### Document preparation

4.1.7 The Group was pleased to note that the WMO mini-website (<http://raii-15.wmo.int/>) was created for the RA II-15 information and documents. In this connection, the MG-6 further noted that, according to the new policy of the WMO Secretariat since EC-64, the pre-session and in-session documents will no longer be posted on the "WMO FTP server" but only on the WMO mini-site dedicated to a constituent body session (e.g., CBS-15 or RA II-15). To ensure that all Members have access to the session information and documents, a special arrangement has been made for access from China to the RA II-15 mini-site through WMO Portal.

#### Chair/Co-chairs

4.1.8 The Group recalled that the MG-5 considered that *Programme Plenary A* (Observation and Information Systems; Weather and DRR Services; and Research) could be co-chaired by Mr A.A. Mohammed (Qatar) and *Programme Plenary B* (Climate and Water; Capacity Development; and Partnerships) by Dr L.S. Rathore (India). The MG-6 suggested that Mr C.M. Shun (Hong Kong, China) and Ms A. Habib (Bangladesh) be invited to co-chair Plenary A and Plenary B, respectively.

### Establishment of Committees

4.1.9 The MG-6 reaffirmed that the Nomination Committee would be composed of the principal delegates of China (Chair) and two other countries. Principal delegate of Republic of Korea would serve as Rapporteur on Review of the previous resolutions and recommendations.

4.1.10 The Group noted that the establishment of a working committee on WIS/GISC would be required to finalize the area of responsibility of each RA II GISC.

### Proposal for new Working Mechanism of RA II for 2013-2016

4.1.11 The MG-6 was informed of the views of the Secretariat Technical Departments on the possible effective working mechanism of RA II. The Group was also informed of the major outcomes of the Third 2012 Joint Meeting of Presidents of Regional Associations and Presidents of Technical Commissions (PRA-PTC), held prior to the MG-6 on 28 October 2012, on improving interaction between Regional Associations and Technical Commissions.

4.1.12 The Group carefully reviewed the Technical Departments' views and the outcomes of PRA-PTC meeting, and considered the possible effective working structure for 2013-2016 to best implement the Strategic Operating Plan of RA II. The MG-6 agreed that, in view of the need for better linkage with existing Technical Commissions, a limited number of Expert Groups (EGs) be established, under Working Groups (WGs), for: aeronautical meteorology; agricultural meteorology; climate services; hydrological services; and CBS-related observations, telecommunications, weather forecasting and public weather services. It also agreed that one of Coordinators (or Leads) of EGs serve as Chair of a WG and that each Management Group member take responsibility for overseeing one of subsidiary bodies (WGs, Task Teams and Pilot Projects) to enhance the connection between the Management Group and subsidiary bodies, in particular WGs, and for transparency and accountability. The Group underlined the need for identifying clear Terms of Reference for each subsidiary body to ensure effectiveness and efficiency of the work.

4.1.13 The MG-6 decided to submit the MG-proposed working structure, as given in **Annex VIII** (bottom), to the RA II-15 and requested the Secretariat to initiate the nomination procedures for Coordinators of Expert Groups and Chairs of Task Teams, expected to be established by the RA II-15. It further agreed that the on-line nomination procedures be used for the nomination of technical experts to work for specific themes/topics and for developing an RA II expert database for selection of capable experts by the Management Group with the recommendations by Coordinators of Expert Groups and Chairs of Task Teams.

4.1.14 The MG-6 further agreed on the need to encourage volunteerism among Members and their staff, and decided to issue certificates in recognizing the outstanding contributions to the work of the Association from the president of RA II. In this connection, the Group considered that there is a need for a mechanism to ensure strong commitment of experts and full support by the Permanent Representatives of Members with WMO to facilitate effective work of the experts for the Association.

4.1.15 The Group reviewed the draft Resolution concerning the re-establishment of the Management Group including its membership and Terms of Reference (ToR) prepared by the Secretariat in view of the increased importance of the effective management and oversight of the activities of the Association. As regards the membership of the Management Group, the MG-6 considered it necessary to include the regional hydrological adviser as a representative of a Service responsible for operational hydrology. Recognizing the need for strengthening MG's role and responsibility including oversight of subsidiary bodies and regional centres (RSMCs, RCCs, RICs, WIS centres, RTCs, etc.), the MG-6 agreed to submit the draft Resolution as given in **Annex IX** to the RA II-15 for its consideration and



adoption. The Group requested the Secretariat to duly adjust the draft Resolution, if necessary, in view of the progress of the work of the EC Working Group on Strategic and Operational Planning (EC WG/SOP) on the functions, roles and responsibilities of regional associations in the WMO General Regulations.

4.1.16 The MG-6 expressed the view that the president should invite only a limited number of the Directors of NMHSs to the Management Group sessions, as invited participants or observers, in order to maintain the strong decision-making role and responsibility of the Management Group. It also suggested assessing the possibility/usefulness of appointing two experts in one position at both Coordinators and theme/topic leader levels, as a fail-safe system.

4.1.17 The Group noted that a Pilot Project related to GFCS for sharing good practices through a web would be proposed by Japan and that projects for monitoring and modeling of sand and dust storms; post-processing of seasonal prediction over West Asia; and establishment of a sub-regional weather radar network could be proposed as Pilot Projects or within the framework of the RA II Regional WIGOS Implementation Plan.

#### Scientific Lectures and Discussions

4.1.18 The Group was pleased to note that five possible scientific lectures had been proposed from RA II Members on:

- (1) Improving water management efficiency by technology development to overcome climate change impacts (by Dr Sung Kim, Republic of Korea);
- (2) The early warning information on extreme weather provided by JMA and a pilot project to develop an early warning system to mitigate cold/hot damage to rice production (by Dr Mitsuhiko Hatori, Japan);
- (3) Tropical cyclone reconnaissance (by Mr C.M. Shun, Hong Kong, China);
- (4) Challenges and opportunities of weather and climate services in RA II (by Dr S.D. Attri, India); and
- (5) RA II contribution to the GFCS through regional climate services at Beijing Climate Centre (by Dr Song Lianchun, China).

4.1.19 The MG-6 recalled that the MG-5 already considered that the two lectures (1) and (2) would be appropriate for the scientific lectures, in view of addressing RA II key priority areas with the regional scope. The MG-6 reviewed the abstracts and CVs of the three new lecturers (3)-(5) and expressed the views that these three would also be appropriate for the scientific lectures during the RA II-15 session. The Group decided to accommodate the five proposed scientific lectures into the two-hour timeframe on the afternoon of Monday, 17 December 2012.

#### **4.2 RA II Regional Seminar (agenda item 4.2)**

4.2.1 The MG-6 was pleased to note the progress on the preparation of the RA II Regional Seminar, to be held prior to the RA II-15 session on 11 and 12 December 2012 at the same venue as for the RA II-15 session. The invitation letters were sent to Members in late-September and regional partners in late-October 2012. WMO financial support would be provided to the participants from developing countries with priority to those from the Least Developed Countries (LDCs). The Group noted that 24 Members of RA II had nominated experts from NMHSs to participate in the Regional Seminar.

4.2.2 The Group agreed on the revised tentative work plan of the Regional Seminar as given in [Annex X](#), in which time allocations for the four topics were adjusted in view of the number of presentations proposed by Members. The MG-6 requested the Secretariat to finalize the Programme of the Seminar as soon as possible and make it available on the RAP Regional Seminar web page.

**4.3 Logistical arrangements** (*agenda item 4.3*)

4.3.1 The MG-6 was briefed by Mr A.A. Mohammed, Permanent Representative of Qatar with WMO and the WMO Secretariat, on the recent progress of logistical arrangements for the RA II-15 session and the Regional Seminar.

4.3.2 The MG-6 noted with pleasure that RA II-15/INF. 1 – Material Arrangements for the Session (Information Note for Participants) was finalized on 2 October 2012 in collaboration with the Local Organizing Committee and was posted on the WMO mini-website (<http://raii-15.wmo.int/>). The Members were encouraged to make arrangements with QMDI (local event organizer) for visa application and hotel reservations.

4.3.3 The Group was pleased to note that arrangements will be made for (a) a poster session during the Regional Seminar and (b) space for several booths for exhibition of hydrometeorological instruments and equipment.

4.3.4 The Group expressed its appreciation and gratitude to Mr Mohammed and the Government of the State of Qatar for considerable host country's financial support for the expected participants that contributed to reduction of the room rates of the recommended hotels in Doha. The MG-6 requested the Local Organizing Committee to ensure the smooth arrival and transportation arrangements for the participants through setting up of an Information/Help Desk at the arrival area of Doha International Airport.

**5. OTHER BUSINESS** (*agenda item 5*)

5.1 No discussions were made under this agenda item.

**6. CLOSURE OF THE SESSION** (*agenda item 6*)

6.1 The session closed at 19:45 hours on 28 October 2012.

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## SIXTH SESSION OF THE RA II MANAGEMENT GROUP (MG-6)

*(Geneva, 28 October 2012)*

## LIST OF PARTICIPANTS

**1. Members of RA II Management Group and Representatives of Members of RA II**

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**SIXTH SESSION OF THE RA II MANAGEMENT GROUP (MG-6)**

*(Geneva, 28 October 2012)*

**AGENDA**

1. Organization of the Session
2. Matters arising from the fifth session
  - Development of RA II Regional WIGOS Implementation Plan
  - Nomination of Principal Global Information System Centres (GISCs) in RA II
3. Development of RA II Strategic Operating Plan for 2012-2015
4. Organization of the fifteenth session of Regional Association II (RA II-15) and the RA II Regional Seminar
  - 4.1 Preparation for RA II-15 session
  - 4.2 RA II Regional Seminar
  - 4.3 Logistical arrangements
5. Other business
6. Closure of the session

## List of RA II WIGOS Projects

(as of 27/10/2012)

No.	Project title	Key Regional Player	Contact person 1	Contact person 2	Contact person 3
I	Monitoring and review of the implementation of EGOS-IP in RA II	CMA HKO	Ms GUO Jianxia Meteorological Observation Center China Meteorological Administration (CMA) Tel: +86 10 68407934 E-mail: gjixaoc@cma.gov.cn	Mr LEE Lap Shun Hong Kong Observatory (HKO) Hong Kong, China lslee@hko.gov.hk	
II	Standard and best practice Portal, including technical documents with necessary details in English from all RA II Members	KMA	Dr WON Jaegwang Korea Meteorological Administration (KMA)	Dr PARK Seongchan KMA	
III.1	Observing systems integration for supporting disaster risk reduction - Integration of surface-based remote sensing data in the East Asia	CMA JMA KMA	Mr Yuki HONDA Office of International Affairs Japan Meteorological Agency (JMA) 1-3-4 Otemachi Chiyoda-ku, Tokyo, Japan Tel: +81 3 3211 4966 Fax: +81 3 3211 2032 E-mail: iao-jma@met.kishou.go.jp	Dr WON Jaegwang KMA	Mr LI Feng Meteorological Observation Center, CMA Tel: +86 10 68409293 E-mail: lifif04@cma.gov.cn
III.2	Observing systems integration for supporting disaster risk reduction - Capacity building in radar techniques in the Southeast Asia	TMD MMD	Dr Somchai BAIMOUNG Thai Meteorological Department (TMD) E-mail: somchaib@tmd.go.th	Mr A. Kamiluddin Hj IBRAHIM Director, Radar Meteorology Division, Malaysian Meteorological Department (MMD) Jalan Sultan 46667 Petaling Jaya Selangor, Malaysia Tel: 603 7967 8154 Fax: 603 7955 0964 E-mail: kamiluddin@met.gov.my	
IV	Enhance the availability and quality management support for NMHSs in surface, climate and upper-air observations	JMA Coordinating Group	Mr Yoshihisa KIMATA Senior Coordinator for Observation Networks Administration Division, Observations Department, JMA Email: kimata@met.kishou.go.jp	Mr HE Xiaolei Meteorological Observation Center, CMA Tel: 0086 10 68409767 E-mail: hxlaoc@cma.gov.cn	
V	Developing a Sand and Dust Storm Warning Advisory and Assessment System (SDS-WAS) in Asia Node	CMA JMA KMA	Prof. ZHANG Xiaoye Chinese Academy of Meteorological Sciences, CMA E-mail: xiaoye@cams.cma.gov.cn	Mr Hiroshi KOIDE Senior Coordinator for Global Atmosphere Watch Atmospheric Environment Division, Global Environment and Marine Department, JMA Email: hkoide@met.kishou.go.jp	Dr CUN Youngshin KMA
VI	Develop support for NMHSs in satellite data, products and training	JMA KMA	Mr Hironobu YOKOTA Senior Coordinator for Meteorological Satellite Systems Satellite Program Division Observations Department, JMA E-mail: hyokota@met.kishou.gov.jp	Dr KIM Dohyeong KMA	

**Draft Strategy Part of RA II Strategic Operating Plan 2012-2015**  
**(First draft prepared by the Task Team)**

**1. Introduction**

This RA II Strategic Operating Plan aims at providing a clear path forward for the Region to address critical societal needs. It takes into account the framework of the WMO Strategic Plan 2012-2015 which was approved in the Sixteenth World Meteorological Congress (Cg-XVI: Geneva, May/June 2011), with eight Expected Results grouped within five Strategic Thrusts under three Global Societal Needs. A schematic representation of the structure of WMO Strategic Plan 2012-2015 is given below.

<b>Three Global Societal Needs</b>	<b>Five Strategic Thrusts</b>	<b>Eight Expected Results</b>
Improved protection of life and property (related to the impacts of hazardous weather, climate, water and other environmental events, and increased safety of transport on land, at sea, and in the air)	<b>Improving service quality and service delivery</b>	1. Enhanced capabilities of Members to deliver and improve access to high-quality weather, climate, water and related environmental predictions, information, warnings and services in response to users' needs, and to enable their use in decision-making by relevant societal sectors. 2. Enhanced capabilities of Members to reduce risks and potential impacts of hazards caused by weather, climate, water and related environmental elements.
Poverty alleviation, sustained livelihoods and economic growth (in connection with the Millennium Development Goals), including improved health and social well-being of citizens (related to weather, climate, water and environmental events and influence)	<b>Advancing scientific research and application, as well as development and implementation of technology</b>	3. Enhanced capabilities of Members to produce better weather, climate, water and related environmental information, predictions and warnings to support in particular disaster risk reduction and climate impact and adaptation strategies. 4. Enhanced capabilities of Members to access, develop, implement and use integrated and interoperable Earth- and space-based observation systems for weather, climate and hydrological observations, as well as related environmental and space weather observations, based on world standards set by WMO. 5. Enhanced capabilities of Members to contribute to and draw benefits from the global research capacity for weather, climate, water and the related environmental science and technology development.
Sustainable use of natural resources and improved environmental quality	<b>Strengthening capacity-building</b>	6. Enhanced capabilities of NMHSs, in particular in developing and least developed countries, to fulfil their mandates.
	<b>Building and enhancing partnerships and cooperation</b>	7. New and strengthened partnerships and cooperation activities to improve NMHSs' performance in delivering services and to increase the value of the contributions of WMO within the United Nations system, relevant international conventions and national strategic issues.
	<b>Strengthening good governance</b>	8. An effective and efficient Organization.

## **2. Priority areas of RA II**

Within the five Strategic Thrusts and eight Expected Results, WMO as a whole has identified the following five priority areas that have significant contribution to the achievement of the expected results:

- Global Framework for Climate Services (GFCS);
- Aviation meteorological services;
- Capacity Building for the developing and least developed countries;
- Implementation of the WMO Integrated Global Observing System (WIGOS) and WMO Information System (WIS); and
- Disaster Risk Reduction (DRR).

Considering the circumstances in the region, RA II identified the following highest priority areas:

- Implementation of the WIS/WIGOS and necessary improvement of the GTS;
- Sustainable capacity development including human resources development;
- Implementation of the GFCS, including but not limited to enhancement and operation of the RA II RCC network and RCOFs;
- Establishment of a region-wide multi-hazard early warning system for Disaster Risk Reduction;
- Implementation of aeronautical meteorological services enhancements in coordination with CAeM and upgrading of service delivery capability in other application areas including marine meteorological services;
- Implementation of WMO Flood Forecasting Initiative, water resources assessment and regional exchange of hydrological data and information; and
- Reduction of risks and impacts of region specific hazards caused by sand and dust storms, thunderstorms and associated extreme weather events.

## **3. RA II Operating Plan**

In accordance with the highest priority areas of RA II, a set of deliverables and associated activities were developed in the following RA II Operating Plan. They are listed under the relevant WMO Strategic Plan Expected Results, Regional Key Outcomes (RKOs) and corresponding Key Performance Indicators (KPIs). Relevant Programmes and Technical Commissions, responsibility, and implementation schedule are also presented. Baselines and targets are listed for each deliverable to measure the progress towards achieving the Expected Results.

For a number of the activities with “Members” listed in the “Responsibility” column, relevant Members should reaffirm the goals and consider means to implement the deliverables, and in particular each NMHS should conduct action items to improve their own services and/or help other NMHSs in the Region.

## **4. Monitoring and evaluation mechanism**

Monitoring and evaluation are tools to measure the performance of implementation of the Strategic Operating Plan. They also contribute to the identification of good practices and lessons learned with respect to implementation, as well as policy, strategy and programmatic design that will inform the next phase of strategic planning. While monitoring is an ongoing function, evaluations are conducted routinely and results are reported to the future RA II sessions.

Surveys of the basic capability of NMHSs in RA II were carried out in 2008 and 2011. The result of the latter one was used to form the baseline of achievement of the deliverables in the RA II Operating Plan 2012-2015, with a view to monitoring and evaluating the progress of the implementation of the deliverables. Information will be regularly gathered from Members through surveys to analyze the likely trends, developments, evolving needs and deficiencies of the Region.

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**FIFTEENTH SESSION OF REGIONAL ASSOCIATION II (ASIA)**

**(Doha, Qatar, 13-19 December 2012)**

**PROVISIONAL AGENDA**

**1. OPENING OF THE SESSION**

**2. ORGANIZATION OF THE SESSION**

- 2.1 Consideration of the report on credentials
- 2.2 Adoption of the agenda
- 2.3 Establishment of committees
- 2.4 Other organizational matters

**3. REPORT BY THE PRESIDENT OF THE ASSOCIATION**

**4. PROGRAMME ACTIVITIES – REGIONAL ASPECTS**

***Strategic Thrust 1 - Improving Service Quality and Service Delivery***

- 4.1 Enhanced capabilities of Members to deliver and improve access to high-quality weather, climate, water and related environmental predictions, information, warnings and services in response to users' needs, and to enable their use in decision-making by relevant societal sectors (**ER 1**)
- 4.2 Enhanced capabilities of Members to reduce risks and potential impacts of hazards caused by weather, climate, water and related environmental elements (**ER 2**)

***Strategic Thrust 2 – Advancing Scientific Research and Application, as well as Development and Implementation of Technology***

- 4.3 Enhanced capabilities of Members to produce better weather, climate, water and related environmental information, predictions and warnings to support in particular disaster risk reduction and climate impact and adaptation strategies (**ER 3**)
- 4.4 Enhanced capabilities of Members to access, develop, implement and use integrated and interoperable Earth- and space-based observation systems for weather, climate and hydrological observations, as well as related environmental and space weather observations, based on world standards set by WMO (**ER 4**)
  - (1) WMO Integrated Global Observing System
  - (2) WMO Space Programme
  - (3) WMO Information System
- 4.5 Enhanced capabilities of Members to contribute to and draw benefits from the global research capacity for weather, climate, water and the related environmental science and technology development (**ER 5**)

***Strategic Thrust 3 – Strengthening Capacity-Building***

- 4.6 Enhanced capabilities of NMHSs, in particular in developing and least developed countries, to fulfil their mandates (**ER 6**)

***Strategic Thrust 4 – Building and Enhancing Partnerships and Cooperation***

- 4.7 New and strengthened partnerships and cooperation activities to improve NMHSs' performance in delivering services and to increase the value of the contributions of WMO within the United Nations system, relevant international conventions and national strategic issues (**ER 7**)

**5. STRENGTHENING GOOD GOVERNANCE (*Strategic Thrust 5*)**

- 5.1 An effective and efficient Organization (**ER 8**)

- (1) Internal matters of the Association
- (2) WMO Strategic Planning – Regional Aspects
- (3) Operating Plan for the Enhancement of National Meteorological and Hydrological Services (NMHSs) in Regional Association II (Asia)
- (4) Sixth Technical Conference on Management of Meteorological and Hydrological Services in Regional Association II (Asia)

**6. GLOBAL FRAMEWORK FOR CLIMATE SERVICES AND FOLLOW-UP TO CG-EXT. (2012)**

**7. EMERGING ISSUES AND SPECIFIC CHALLENGES**

**8. WMO REGIONAL OFFICE FOR ASIA AND THE SOUTH-WEST PACIFIC INCLUDING WMO OFFICE FOR WEST ASIA**

**9. SCIENTIFIC LECTURES AND DISCUSSIONS**

**10. REVIEW OF PREVIOUS RESOLUTIONS AND RECOMMENDATIONS OF THE ASSOCIATION AND OF RELEVANT EXECUTIVE COUNCIL RESOLUTIONS**

**11. ELECTION OF OFFICERS**

**12. DATE AND PLACE OF THE SIXTEENTH SESSION**

**13. CLOSURE OF THE SESSION**

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**Tentative Work Plan**  
(Fifteenth session of RA II, Doha, Qatar, 13-19 December 2012)

All items will be discussed in Plenary meetings	Thursday 13 December		Friday 14 December		Saturday 15 December		Sunday 16 December		Monday 17 December		Tuesday 18 December		Wednesday 19 December	
	a.m.	p.m.	a.m.	p.m.	a.m.	p.m.	a.m.	p.m.	a.m.	p.m.	a.m.	p.m.	a.m.	p.m.
<b>General Plenary President</b>  <b>Items:</b> 1, 2, 3, 5-13	1 2.1 2.2 2.3 2.4 3 10*	5.1 (1a) 5.1 (1b) 5.1 (1c) 7	5.1 (2) 5.1 (3) 5.1 (1d)				6	5.1(4) 8	11 D**	9 10	D	D	D	12 13
<b>Plenary A Co-Chair</b>  <b>Items:</b> 4.1, 4.2, 4.4				4.4(1)			4.1 4.2		4.4(2) 4.4(3)	D				
<b>Plenary B Co-Chair</b>  <b>Items:</b> 4.3, 4.5, 4.6, 4.7				4.3 4.5				4.6 4.7			D			

**Explanatory notes:**

\*\*D - consideration of outstanding in-session Draft Decisions Draft 2, Draft 3, ... Final Draft. (formerly called working papers and PINKs)  
The documents can be adopted at any time during plenary meetings.

\* To appoint a Rapporteur on Review of Previous Resolutions

**Side meetings:** dates and time will be provided at the session

**Calendar** to be updated on the WMO web page

**SIDE MEETING SCHEDULE (Tentative Work Plan)**

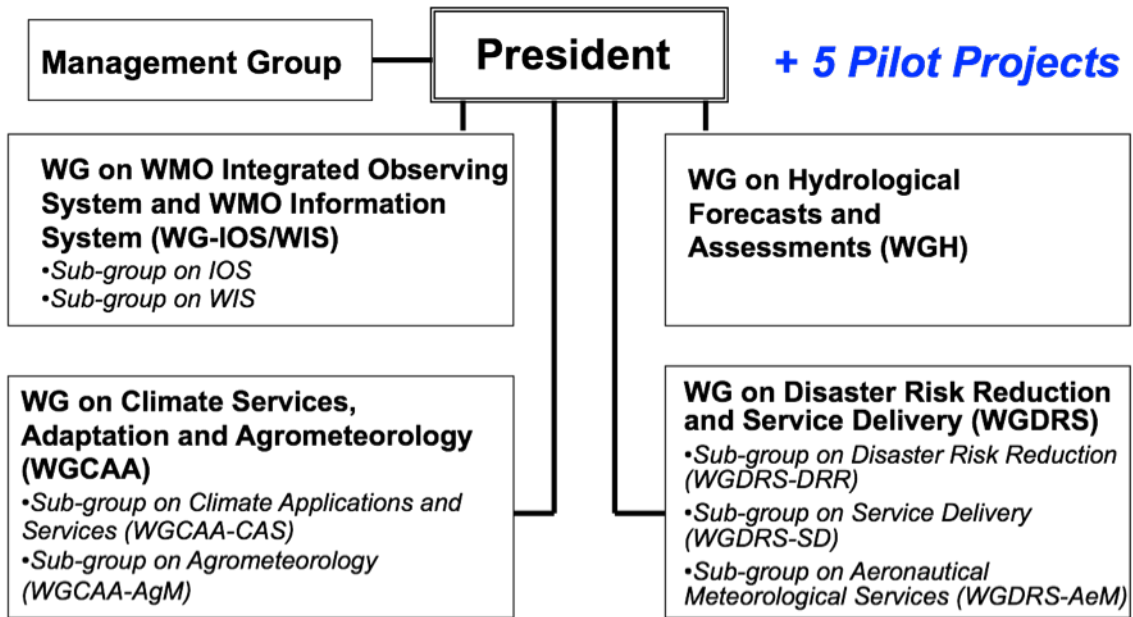
(Side Meeting Room)

**Fifteenth session of RA II, Doha, Qatar, 13-19 December 2012**

	Thursday 13 December	Friday 14 December	Saturday 15 December	Sunday 16 December	Monday 17 December	Tuesday 18 December	Wednesday 19 December
08:00-09:00	Coordination Committee	Coordination Committee	Tours and visits (Desert Lunch)  organized by Dep. of Met.	Coordination Committee	Nomination Committee	Coordination Committee	
13:00-14:00				Side Meeting on Country Profile Database	Sub-group on WGs if necessary	Video- conference on CPA	
17:00-18:00	Side Meeting on WIS	Sub-group on WGs Composition and ToR		Sub-group on WGs Membership	Side Meeting on Water Resources Assessment	Side Meeting INTAD2	
18:30-21:00	Reception* hosted by Government of Qatar						

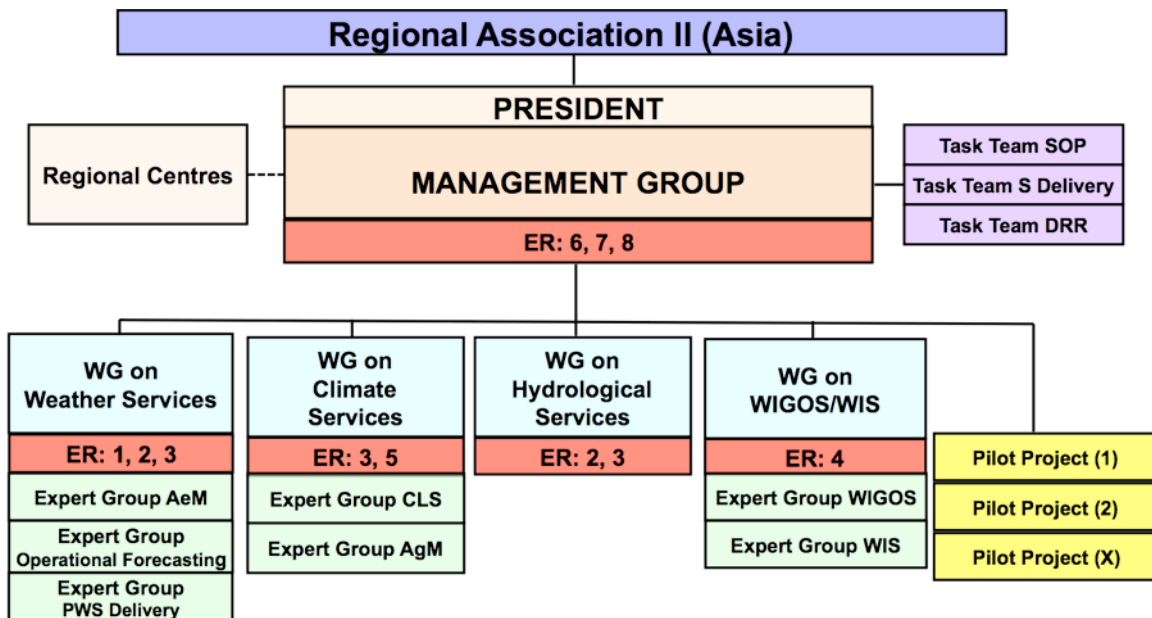
\* at Courtyard by Marriot Hotel

Current RA II Working Structure  
XIV-RA II (Tashkent, December 2008)



Chairs, coordinators, theme leaders and expert volunteers

Possible Future Working Structure of RA II



Expert Group will be composed of theme leaders and expert volunteers.

## DRAFT Resolution 5.1/X (RA II-15)

## RA II MANAGEMENT GROUP

REGIONAL ASSOCIATION II (ASIA),

**Noting:**

- (1) The *Abridged Final Report with Resolutions of the Sixteenth World Meteorological Congress* (WMO-No. 1077),
- (2) The *Abridged Final Report with Resolutions of the Fourteenth Session of Regional Association II (Asia)* (WMO-No. 1037),
- (3) The reports of the sessions of the RA II Management Group,
- (4) The WMO Strategic Plan 2012-2015 (WMO-No. 1069),
- (5) The WMO Operating Plan 2012-2015 (October 2011 version),
- (6) The Strategic Operating Plan for the Enhancement of National Meteorological and Hydrological Services in RA II (Asia) 2012-2015,

**Considering** the proposal of the Management Group of the Association,

**Recognizing** the increased importance of the effective management and oversight of the activities of the Association and the need to have a mechanism to address cross-cutting issues and issues not handled by other working groups, in particular activities related to expected results 6 - Enhanced capabilities of NMHSs, in particular in developing and least developed countries, to fulfil their mandates; 7 - New and strengthened partnerships and cooperation activities to improve NMHSs' performance in delivering services and to increase the value of the contributions of WMO within the United Nations system, relevant international conventions and national strategic issues; and 8 - An effective and efficient Organization, of the WMO Strategic Plan 2012-2015,

**Decides:**

- (1) To re-establish the Management Group of Regional Association II (Asia) with the following terms of reference:
  - (a) To advise the president of RA II on all matters related to the work of the Association, in particular, on emerging matters requiring actions during the intersessional period;
  - (b) To prioritize, plan, coordinate and manage the work of the Association and its subsidiary bodies;
  - (c) To review the structure and work of the subsidiary bodies of the Association, including advice on the implementation of their recommendations and taking into account financial and other resources needed in the work of these bodies, and to terminate or reorganize these bodies as necessary;
  - (d) To select working group members from candidates nominated by Members of the Association; and to propose to the president of the Association on the replacement of a member, should the member not contribute at the expected level, or in case of totally silent;
  - (e) To coordinate and monitor the implementation of the Strategic Operating Plan for the Enhancement of National Meteorological and Hydrological Services in Regional

Association II (Asia), and to provide the Region's contribution to the WMO Strategic Plan;

- (f) To assess and evaluate the implementation of activities of Regional Association II as per the WMO Strategic Plan;
- (g) To review the requirements and priorities of training and other events to be organized in the Region;
- (h) To oversee the activities of the Regional Centres (RSMCs, RCCs, RICs, WIS centres, RTCs, etc.);
- (i) To collaborate with the Secretariat on resource mobilization and advise on the alignment of resources with regional priorities and implementation of the RA II strategic operating plan;
- (j) To address ways and means of capacity development of Members' National Meteorological and Hydrological Services (NMHSs) in the Region for the implementation of WMO Programmes and activities;
- (k) To address other issues not covered by working groups, including strengthening of strategic partnerships with regional organizations;

(2) To invite the president to act as chairperson of the Management Group, which is composed of the president, the vice-president, other Executive Council member Permanent Representatives of the Region and the regional hydrological adviser to the president. The president would also invite, as appropriate, other Directors of NMHSs, chairpersons of RA II working groups to each session subject to the availability of financial resources;

**Requests** the president to ensure that subregions are represented as appropriate on the Management Group and that the Group meets annually, or as needed, preferably in conjunction with other meetings or events;

**Authorizes** the president to take necessary decisions on behalf of the Association, after consultation with the Management Group, on important matters;

**Requests further** the president to report to the Association during the intersessional period, as necessary, and at its next regular session on the activities of the Management Group and relevant decisions taken on behalf of the Association.

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**Regional Seminar (Tentative Work Plan)**  
(Side Meeting Room)

**Doha, Qatar, 11-12 December 2012**

Tuesday 11 December		Wednesday 12 December	
08:30-09:00	Registration		
09:00-09:15 09:15-09:30	Opening & Group Photo Break	09:00-12:00	(3) Implementation of WIGOS/WIS
09:30-12:30	(1) Development and Implementation of Regional Strategic Operating Plan and Challenges of NMHSs in RA II		
12:30-14:00	Lunch Break	12:00-13:00	Lunch Break
14:00-17:30	(2) Capacity Development and Strategic Partnerships (including Role and Operation of NMHSs)	13:00-15:30	(4) Improving Climate Services