

WORLD METEOROLOGICAL ORGANIZATION
COMMISSION FOR ATMOSPHERIC SCIENCES (CAS)

MEETING OF THE CAS MANAGEMENT GROUP

(Geneva, Switzerland, 27-28 September 2010)

**MEETING REPORT
ACTIONS AND RECOMMENDATIONS**

(30 September 2010)

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MEETING REPORT ACTIONS AND RECOMMENDATIONS

1. INTRODUCTION

The meeting was opened by Mr J. Lengoasa (Deputy Secretary-General of WMO). He welcomed all the members of the CAS Management Group and the other participants to this first meeting of the Management Group after the CAS-XV. In his opening remarks he noted, amongst other things, that research figures prominently in the next WMO Strategic Plan and consequently CAS activities would become increasingly become important. In this regard, Mr Lengoasa was pleased that the CAS activities had increased significantly since the meeting of the Commission in 2006, and that there had been considerable progress in the inter-sessional period made by the CAS Management Group. In particular, he acknowledged the success in linking research closely to coordinated global observations, operational forecasting and prediction, service delivery and capacity-building. In closing he wished the meeting well.

1.2 Adoption of the Agenda

The final Agenda and the list of participants are appended (Annexes I and II). The documents and presentations made at the meeting have been posted to the web page <http://www.wmo.int/pages/prog/arep/cas/CAS-MMG1.html>

2. REPORTING

2.1 Report of the CAS President

CASMG01/ACTION 01: The President agreed to discuss the representation at the RA I meeting in Morocco with the DSG and CAS Management Group Research (Action – President of CAS).

CASMG01/ACTION 02: i) The President of CAS will provide input and advice to the WMO Secretariat concerning the recruitment of the post of D/ARE and the selection of the CAS Vice President; (ii) in addition, the CAS Management Group is encouraged to suggest, to the President, individual scientists for these positions (Action – President and members of CAS Management Group).

CASMG01/ACTION 03: Improve participation of women in CAS, WWRP and GAW groups and activities (Action - All members of CAS Management Group).

CASMG01/ACTION 04: The President of CAS and D/ARE should check that Ghassem Asrar (D/WCRP) will represent all WMO Research interests at the Belmont and IGFA meetings in South Africa (Action – President and D/ARE).

2.2 Report of the Chair of the JSC OPAG-EPAC

CASMG01/ACTION 05: Ensure the development of the Near-Real-Time (NRT) data exchange in GAW (Action - Chair of EPAC/JSC and C/AER).

CASMG01/ACTION 06: Explore the possibility of getting active groups in South America to assist in the improvement of the GAW observations in South America (Action - Ms Grimm).

CASMGT01/ACTION 07: GURME to arrange for the assessment and comparison of regional and global air-quality models (Action – Chair of EPAC/JSC and C/AER)

CASMGT01/ACTION 08: A GAW representative should be invited to participate in the work of the WWRP/SERA Working Group (Action - C/WWR).

2.3 Report of the Chair of the JSC OPAG-WWRP

CASMGT01/ACTION 09: The JWGFVR should review links with the CBS (Action – C/WWR and the JWGFVR co-Chairs).

CASMGT01/ACTION 10: The CAS Management Group recommends that the WWRP Division continues to take the lead in organising, in cooperation with the TCP, the quadrennial IWTC and that the outcomes of IWTC-VII should be reported in the Research Report and other documents that will be presented to the 2011 WMO Congress (Action – D/ARE and C/WWR).

CASMGT01/ACTION 11 i) The President, D/ARE and the Chair of the WWRP/JSC should ensure that there is cross-representation between the ICSC-IRDR Research Programme and the WWRP/SERA Working Group (Action – President of CAS and D/ARE).

2.4 Report of the Chair of the ICSC THORPEX

CASMGT01/ACTION 12: The links between the AMMA II project, including the work on the West African Monsoon, and WWRP and THORPEX should be clarified and strengthened as appropriate (Action - C/WWR and the THORPEX IPO).

CASMGT01/ACTION 13: Ensure that the membership of WWRP Working Groups is reviewed regularly according to the guidelines set out in the WWRP Strategic Plan. (Action – Chairs of WWRP/JSC and THORPEX ICSC).

CASMGT01/ACTION 14: The Group recommended that the GIFS-TIGGE Working Group should be represented at the SWFDP meeting that will take place in Wellington in November 2010 (Action – THORPEX IPO).

2.5 Report of the Chair of the WGNE

CASMGT01/ACTION 15: Ensure that the outcome of the WGNE Symposium on Modelling is presented to the WCRP Open Science Conference (Denver, 24-28 October 2011) (Action - WGNE Chairs).

CASMGT01/ACTION 16: Ensure that the joint weather/climate activities of WWRP and WCRP are covered at the WCRP Open Science Conference (Denver, 24-28 October 2011) (Action – Chair WWRP/JSC and C/WWR).

CASMGT01/ACTION 17: Review the status of the publication of Aqua Planet results (Action - WGNE co-Chairs).

CASMGT01/ACTION 18: Publicise the WGNE Transpose AMIP experiments and encourage the development of proposals for work to be included in associated diagnostics projects (Action - CAS Management Group Members).

3. DISCUSSION

3.1 Proposed WMO Strategic Plan and Budget for 2012-2015

The Group took note of the plan and the budget proposal.

3.2 The Global Framework for Climate Services: Implications for WMO Research

The Group took note of the work of the High Level Task Force.

3.3 Technical Commission Reform

CASMGT01/ACTION 19: Took note of the “Report of the EC Working Group on WMO Strategic and Operational Planning (WG/SOP) on WMO Reform”; the CAS Management Group agreed that CAS should be better connected with the WMO Regional Associations and that CAS Rapporteurs should be appointed for each Regional Association. (Action – President of CAS).

3.4 Strengthening Regional Activities and Co-operation

See ACTION 19 above.

3.5 Upcoming Issues in Research

Seasonal prediction

CASMGT01/ACTION 20: The Group welcomed the initiative being taken by the CCI on seasonal prediction service delivery and agreed that CAS propose a collaborative project involving CAS, CCI, CBS and WCRP on seasonal prediction following the Exeter meeting (Action - Chair WWRP/JSC, THORPEX IPO and C/WWR).

CASMGT01/ACTION 21: Arrange for the outcome of the CCI seasonal prediction update workshop (Geneva, 12 to 14 October 2010) to be communicated to the Exeter meeting (Action – THORPEX IPO)

Chapman Conference

CASMGT01/ACTION 22: Reviewed the preparations for the “Chapman Conference” (Interlaken, September 2011) and recommended that there should be a stronger representation from the NWP community - the Chairs of the WGNE and the WWRP/JSC will provide D/ARE with names of experts who should be invited (Action – co-Chairs of WGNE and Chair of WWRP/JSC).

3.6 Building Better Connections to Users: Research to Service Delivery

CASMGT01/ACTION 23: GURME, in collaboration with the PWS, was requested to lead an updated analysis of air-quality forecasting services of WMO members and advise CAS and CBS accordingly (Action – Chair of EPAC/JSC, C/AER and C/PWS).

3.7 Atmospheric Pollution and Climate Change: Interaction Both Ways

CASMGT01/ACTION 24: The Group strongly recommended that the GAW continues to play an active role in co-ordinating GHG measurements analysis and reanalysis and in establishing good practice since this role will be increasingly needed by WMO Members as GHG monitoring develops into a strategic societal activity (Action - D/ARE and all Members).

CASMGT01/ACTION 25: The President of CAS and the D/ARE should ensure that there will be a Congress side-meeting on “Applications of Numerical Weather and Climate models for GHG management strategies”; in addition the President of CAS should include this topic in his report to Congress (Action – President and D/ARE).

CASMGT01/ACTION 26: It is clear that time-dependent chemical variables should be included in NWP models and climate models. The Group recommended that collaboration between CAS and WCRP on this issue should be strengthened (Action – President, D/ARE C/WWR, C/AER and V. Ryabinin (WCRP)).

3.8 Weather Modification Research Assessment

3.8.1 Status of the Guidelines

CASMG01/ACTION 27: The Group took note of the revised WMO Statement and Guidelines on Weather Modification, which had been reviewed by the Chair of the WWRP/JSC, and recommended that the Guidelines be moved to the main section of the WMO website (Action – Chair of the WWRP/JSC and D/ARE).

3.8.2 Status of the UAE Proposal

CASMG01/ACTION 28: A MOU is being prepared by D/ARE and the Expert Team on Weather Modification Research and this MOU should be reviewed by the WWRP/JSC and the CAS President before being submitted for signature (Action – D/ARE, Chair WWRP/JSC and President).

3.9 Research and Collaboration on Observing, Modelling, Forecasting and Assessing Impacts of Volcanic Ash, Sand and Dust and Biomass Burning

No actions currently required.

3.9.1 Sand and Dust Storm

CASMG01/ACTION 29: Since the WWRP and GAW jointly manage SDS activities, appropriate SDS experts should participate in both the EPAC and WWRP JSC meetings (Action – C/AER and C/WWR).

3.9.2 Volcanic Ash

A Group has been established as requested by EC-LXII. The CAS Management Group noted that global observations of aerosol are being co-ordinated within the GAW framework.

4. RESPONSE TO REQUESTS OF CAS-XV AND EC-LXII

4.1 CAS-XV Actions for the Management Group

CASMG01/ACTION 30: The secretariat will annotate the list of CAS-XV Actions showing the current status of the actions and the latest version of this list will be posted to the website (Action – C/AER, C/WWR and the Chairs of the two JSCs).

4.2 EC-LXII Major Outcomes for Research

CASMG01/ACTION 31: The secretariat will annotate the list of EC-LXII Actions showing the current status of the actions and the latest version of this list will be posted to the website (Action – C/AER, C/WWR and the Chairs of the two JSCs).

5. PREPARATION FOR THE SIXTEENTH SESSION OF CONGRESS (Cg-XVI)

CASMG01/ACTION 32: The CAS Management Group is invited to provide feedback on the Agenda for Cg-XVI by 1 October 2010 (Action - All the Management Group).

CASMG01/ACTION 33: The outline for the two main CAS papers for Congress should be prepared by 1 November 2010 (Action – C/AER and C/WWR).

CASMG01/ACTION 34: In addition to taking the lead with the two main CAS-related items, the D/ARE, C/AER and C/WWR should ensure that research contributions to other

“Expected Results” and other issues, future priorities for example, are reflected in the documents that will be prepared for Congress (Action - D/ARE, C/AER and C/WWR).

6. ACTION ITEMS

The Actions listed above were agreed by the CAS Management Group.

7. CLOSING THE MEETING

The President of CAS closed the meeting at 4:30 p.m. on 28 September 2010.

ANNEX I

AGENDA

1. ORGANIZATION OF THE SESSION
 - 1.1. Welcome and Introduction
 - 1.2 Adoption of the Agenda
2. REPORTING
 - 2.1 Report of the CAS President
 - 2.2 Report of the Chair of JSC OPAG-EPAC
 - 2.3 Report of the Chair of JSC OPAG-WWRP
 - 2.4 Report of the Chair ICSC THORPEX
 - 2.5 Report of the Chairs of WGNE
3. DISCUSSION
 - 3.1 Proposed WMO Strategic Plan and Budget for 2012-2015
 - 3.2 The Global Framework for Climate Services: Implications for WMO Research
 - 3.3 Technical Commission Reform
 - 3.4 Strengthening Regional Activities and Co-operation
 - 3.5 Upcoming Issues In Research
 - 3.6 Building Better Connections to Users: Research to Service Delivery
 - 3.7 Atmospheric Pollution and Climate Change: Interaction Both Ways
 - 3.8 Weather Modification Research Assessment
 - 3.8.1 Status of Guidelines
 - 3.8.2 Status of UAE Proposal
 - 3.9 Research and Collaboration on Observing, Modelling, Forecasting and Assessing Impacts of Volcanic Ash, Sand and Dust and Biomass Burning
 - 3.9.1 Sand and Dust Storm
 - 3.9.2 Volcanic Ash
4. RESPONSE TO REQUESTS OF CAS-XV and EC-LXII
 - 4.1 CAS-XV Actions for Management Group
 - 4.2 EC-LXII Major Outcomes for Research
5. PREPARATION FOR THE SIXTEENTH SESSION OF CONGRESS (Cg-XVI)
6. ACTION ITEMS
7. CLOSING OF THE MEETING

ANNEX II

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