

**WORLD METEOROLOGICAL ORGANIZATION**

CBS-CIMO Remote Sensing/Doc. 1.2.1

**JOINT MEETING OF  
CBS EXPERT TEAM ON SURFACE-BASED  
REMOTELY-SENSED OBSERVATIONS  
(SECOND SESSION)**

(N.X.2011)

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AND

ITEM: 1.2

**CIMO EXPERT TEAM ON OPERATIONAL REMOTE  
SENSING  
(FIRST SESSION)**

Original: ENGLISH ONLY

GENEVA, SWITZERLAND, 5 – 9 DECEMBER 2011

**PROVISIONAL AGENDA**

**1 ORGANIZATION OF THE MEETING**

- 1.1 Opening of the session
- 1.2 Adoption of the agenda
- 1.3 Working arrangements for the session

**2 REPORTS OF CHAIRS**

- 2.1 Report of the Chair ET-SBR SO.
- 2.2 Report of the Chair ET-ORS.
- 2.3 Review of the status of the Work Plan.

**3 WEATHER RADAR OPERATIONS, STATUS, ISSUES, REQUIREMENTS FOR DATA EXCHANGE AND PLANS**

- 3.1 International and regional network status.
  - 3.1.1 Report on RADAR survey results and establishment of the metadata database.
- 3.2 Requirements for data and metadata exchange.
- 3.3 Operational developments:
  - 3.3.1 Development of polarization technology.
  - 3.3.2 Development of quantitative precipitation estimation.
  - 3.3.3 Application of Doppler velocity.
- 3.4 Quality control issues.
  - 3.4.1 Inter-comparison of processing algorithms.
  - 3.4.2 Radar at high altitude sites.
  - 3.4.3 Interferences issues.
  - 3.4.4 Standardisation and requirements for calibration and maintenance.
- 3.5 Draft plan and report for weather RADAR.

**4 REMOTE SENSING SYSTEMS ROLE IN THE EVOLUTION OF THE GOS AND THEIR INTEGRATION INTO WIGOS**

- 4.1 Presentation of WIGOS Concept of Operations and Implementation Plan.

- 4.2 Introduction to implications and issues associated with integration of remote sensing systems into WIGOS.
- 4.3 Evolution of the Global Observing
  - 4.3.1 Review/update of the observing system capabilities part of RRR DB (see: [www.wmo-sat.info/db](http://www.wmo-sat.info/db)) and review of SoG of the respective application areas (see: <http://www.wmo.int/pages/prog/sat/RRR-and-SOG.html#SOG>)
- 4.4 Addressing the Vision for the GOS in 2025 and review of the draft Implementation Plan for Evolution of Global Observing Systems

## **5 RADAR WIND PROFILERS**

- 5.1 International and regional network status.
- 5.2 International data exchange
- 5.3 Status of Operational Guidance and Regulatory Material.
- 5.4 Quality and interference issues
- 5.5 Inter-comparison status.
- 5.6 Draft plan and report for wind profilers.

## **6 LIGHTNING DETECTION**

- 6.1 International and regional network status.
- 6.2 Quality issues.
- 6.3 Evaluation and comparison of techniques.
- 6.4 Status of operational guidance and regulatory material.
- 6.5 Draft plan and report for lightning detection.

## **7 OTHER REMOTE SENSING SYSTEMS**

- 7.1 Status report on GNSS (GPS) H2O
- 7.2 Status report on LIDAR
- 7.3 Status report on Microwave Radiometers
- 7.4 Status report on IR systems
- 7.5 Status report on Ceilometers
- 7.6 Draft plan and report for other remote sensing systems.

## **8 PLANNING AND REPORTING**

- 8.1 Review of the meeting and highlighting of key issues.
- 8.2 Finalisation of work plans:
  - 8.2.1 Finalisation of joint Work Plan.
  - 8.2.2 CIMO ET-ORS (review of the Work Plan 2011-2014)
  - 8.2.3 CBS ET-SBRSO (proposal of a Work Plan for 2013-2016 for CBS-XV in 2012)
- 8.3 Review of ToRs:
  - 8.3.1 CIMO ET-ORS (review of ToR)
  - 8.3.2 CBS ET-SBRS (proposal of ToR for 2013-2016 for CBS-XV in 2012)
- 8.4 CIMO-ORS report to OPAG-RS&NT (achievements, issues, recommendations)
- 8.5 CBS-SBRSO report to OPAG-IOI (achievements, issues, recommendations)

## **9 OTHER BUSINESS**

## **10 CLOSURE OF THE MEETING**

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