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| **WORLD METEOROLOGICAL ORGANIZATION**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **COMMISSION FOR INSTRUMENTS AND**  **METHODS OF OBSERVATION**  **CIMO MANAGEMENT GROUP**  **Thirteenth Session**  Offenbach, Germany 7 – 9 December 2014 |  | CIMO/MG-13/Doc. 3.1(1)  (27.XI.2014)  \_\_\_\_\_\_\_  ITEM: 3.1  Original: ENGLISH |

**WORK PLAN OF THE CIMO EXPERT TEAM ON OPERATIONAL IN-STIU TECHNOLOGIES (ET-OIST)**

(Submitted by J. Van der Meulen and Y.-A. Roulet)

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| **Summary and purpose of document**  This document provides information on the proposed Work Plan for Expert Team on Operational In-Situ Technologies |

**Action proposed**

The Meeting is invited to note the structure and content of the draft Work Plan, and to approve the Workplan.

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**Appendix:** Draft Workplan of ET-OIST

**WORK PLAN OF THE CIMO EXPERT TEAM ON OPERATIONAL IN-SITU TECHNOLOGIES (ET-OIST)**

1. **INTRODUCTION**

The proposed Work Plan for the Expert Team on Operational In-Situ Technologies (ET-OIST) is contained in the Appendix for the consideration and approval of the CIMO Management Group.

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**APPENDIX: Workplan of ET-OIST (2014-2018)**

| **No.** | **Task description** | **Priority[[1]](#footnote-1)** | **Person responsible** | **Action** | **Deliverable** | **Deadline for deliv.** | **Status**  **[%]** | **Comments** |
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| 1. | **Guidelines on combining information from composite observing systems** | **2** | **Toshihiro Hayashi**  Ahmed Saad | * + - 1. Develop guidance material on QC procedures for precipitation amounts measured by rain gauges. | 1. IOM Report or other document type if appropriate (CIMO Guide update, document for meeting, AWS Portal, etc.) | 1. 31.12.2016 | 1. 0 | CIMO MG-11  CIMO-16 4.9, 4.10  (in collaboration with ET-ORS)  Request from OSCAR  Automatisation |
| 2. | **Further develop and finalize guidelines on migration from manual to automated observations** | **1** | **Mike Molyneux**  Bernd Mergardt  Francesco Foti  Ahmed Saad  Henry Karanja | 1. Finalize draft IOM report 2. Examine whether parts of the IOM report should be included into CIMO Guide | 1. IOM Report  2. Updates to CIMO Guide  1 | 1. 31.12.2015  2. 31.12.2016 | 1. 30  2. 0 | CIMO-16 4.12,  CBS/OPAG-IOS (ET-AWS-6)/Doc. 7(1), (7.7.2010), submitted by Mike Molyneux  AWS workshops |
| 3. | **Siting classification** | 1 | **Yves-Alain Roulet**  Olaf Schulze  Francesco Foti  Toshihiro Hayashi | 1. Make changes to the classification proposed by Nordic countries, as required. 2. Develop guidance material on how to apply the classification. 3. Maintain liaison with ISO re maintenance of WMO/ISO standard | 1,3Updated classification if required  2 IOM Report with contribution from Norway, Austria, Switzerland, …(tbd) | 1,3 2016  2.  2016 | 1. 31.12.2015  2. 31.12.2016  3. Ongoing | CIMO-16 4.3, 4.4, 4.6, 4.7  To be integrated into OSCAR  Contact M. Leroy to help finalize  Ercan BUYUKBAS (B2, B3) |
| 4. | **Sustained performance classification for observing stations on land** | 1 | **Olaf Schulze**  Francesco Foti  Ahmed Saad  Henry Karanja | 1. Finalize the development of the classification 2. Develop guidance material on how to apply the classification | 1. New WMO standard  2. Updated CIMO Guide | 1. 31.12.2015  2. 31.12.2016 | 1. 50  2. 0 | CIMO-16 4.3  To be integrated into OSCAR  Minutes last ET-Standaridization meeting (26.6.2014)  Yves-Alain Roulet to first clarify with M. Leroy |
| 5. | **Metadata standards** | 2 | **Yves-Alain Roulet**  Olaf Schulze  Ahmed Saad | 1. Ensure CIMO priorities regarding metadata are incorporated into WIGOS metadata activities.  2. Develop CIMO metadata Standard | 1. Demonstrated contribution to TT-WMD  2. CIMO metadata standard (if appropriate) | Ongoing | ? | CIMO-16 4.2  Link within MeteoSwiss (TT-WMD with J. Klausen)  ECG Wigos  Ercan BUYUKBAS (B2, B3)  CBS ET-AWS, already published (Guide to the GOS) |
| 6. | **Standard for the classification of instruments for rainfall intensity measurements** | 1 | **Henry Karanja**  (Luca Lanza) | 1. Provide draft standard in English 2. Contact other relevant WMO Programmes (in particular CHy) 3. Further develop standard to meet their requirements 4. Incorporate comments from CHy and other stakeholders into the standard document | 1. Draft standard 2. Progr. Contact & focal points nominated 3. Updated standar 4. Final draft standard submitted for approval by CIMO |  |  | Low hanging fruit  CIMO-16 4.5Note: Liaise with assigned CIMO Testbeds and Lead Centres  CIMO-16 7(11).2, 3 ???CIMO MG-11  Link with CHy:via Bruce Forgan |
| 7. | **Collaborate with ISO TC 180 on review of radiation standards** | 3 | **Wouter Knap (Jitze van der Meulen)** | 1. Assess whether TC 180 standards should be published as WMO-ISO standard 2. Collaborate with ISO TC 180 through the WMO Secretariat for the review of the standards | 1. Document informing MG and Secretariat on pros and cons for each standard 2. Revised standards | 1. 2015 2. ongoing |  | CIMO-16 4.8  DWD: Lindenberg (Volker Lehman and Klaus Behrens)  Liaise with TT-Radiation Reference |
| 8. | **Update of CIMO Guide following publication of Ghardaia intercomparison report** | 1 | **Mike Molyneux**  Bernd Mergardt  Francesco Foti | 1. Develop an update for relevant CIMO Guide chapters on recommended standard calibration procedures, etc. according to results of intercomparison | 1.1 Advice to OPAG-A Chair if update of CIMO Guide is required  1.2 Updated CIMO Guide chapter \* | ? | ? | Low hanging fruit  Contact M. Leroy to find out what is still needed to be done |
| 9. | **Guidance on Wind Measurement and Reporting** | 2 | **TBD**  (Jitze van der Meulen a.i.)  Mike Molyneux | 1. Liaise with CBS, CAeM and JCOMM to address concerns expressed by Hong Kong Observatory in regard to the measurement and reporting of wind 2. Liaise regarding the revision of relevant WMO guidance documentation as required. | 1. Updated WMO guidance material on measurement and reporting of wind | 31.12.2016 | ? | CIMO-16 Doc. 4(2)  BUFR vs CIMO Guide 🡪 consistency needed |

1. 1 : Must (WIGOS high priority or « low hanging fruit »), 2 : Nice to have (WIGOS low priority), 3: Not in WIGOS [↑](#footnote-ref-1)