**Workplan of the Expert Team on Operational In-Situ Technologies (2014-2018)**(Version: as approved by CIMO-MG-13 in Dec. 2014)

| **No.** | **Task description** | **Priority[[1]](#footnote-1)** | **Person responsible** | **Action** | **Deliverable** | **Deadline for deliv.** | **Status**  **[%]** | **Comments** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. | **Guidelines on combining information from composite observing systems** | **2** | **Toshihiro Hayashi**  Ahmed Saad | 1. Develop guidance material on QC procedures for precipitation amounts and intensity measured by precipitation gauges. 2. Develop guidance material on the use of precitipation gauge data in support of weather radar quality control | 1&2. IOM Report or other document type if appropriate (CIMO Guide update, document for meeting or for AWS Portal, etc.) | 1&2. 31.12.2016 | 1. 0 2. 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. Teleconference to clarify structure and expected content 2. Finalize draft IOM report 3. Examine whether parts of the IOM report should be included into CIMO Guide | 1. Teleconference 2. IOM Report 3. Updates to CIMO Guide   1 | 1. March 2015  2. 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  Capture output from WIGOS AWS workshops  Doc. Should cover concerns of climate community.  Inform C1 - Task on Minamata and mercury. |
| 3. | **Siting classification** | 1 | **Yves-Alain Roulet**  Olaf Schulze  Francesco Foti  Toshihiro Hayashi  Andrea Merlone | 1. Address challenges faced by Members (Nordic countries in particular) with implementing the classification. Coordinate updates, if required. 2. Develop guidance material from the lessons learnt on how to implement the classification, including benefit achieved with it. 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)  A. Merlone to liaise with relevant Meteomet2 actions. |
| 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  See minutes last ET-Standardization 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 additional CIMO metadata contribution to the WIGOS metadata, if appropriate | 1. Demonstrated contribution to TT-WMD  2. Expanded metadata standard (if appropriate) | Ongoing |  | CIMO-16 §4.2  Link within MeteoSwiss (TT-WMD with J. Klausen)  Ercan BUYUKBAS (B2, B3) is CIMO Representative in ICG-WIGOS TT-WMD.  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 standard 4. Final draft standard submitted for approval by CIMO | 1-Q1 2015  4-Q3 2015 | 50% | CIMO-16 §4.5 Note: Liaise with assigned CIMO Testbeds and Lead Centres Formalize link with CHy: via Secretariat  CIMO-16 §7.60 |
| 7. | **Collaborate with ISO TC 180 on review of radiation standards** | 2 | **Wouter Knap (Jitze van der Meulen)** | 1. Collaborate with ISO TC 180 through the WMO Secretariat for the review of the standards, on request from ISO | 1. Provide contribution to ISO on/for revised standards | 1. ongoing |  | CIMO-16 §4.8  Liaise with TT-Radiation Reference |
| 8. | **Update of CIMO Guide following publication of Ghardaia intercomparison report** | 1 | **Mike Molyneux**  Bernd Mergardt  Francesco Foti | 1. Contact M. Leroy 2. Develop an update for relevant CIMO Guide chapters on recommended standard calibration procedures, etc. according to results of intercomparison | 1. Advice if update of CIMO Guide is required  1.2 Updated CIMO Guide chapter \* | 1-Q1 2015  2-Q2 2015 |  | Contact M. Leroy to find out what still needs 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. Organize the revision of relevant WMO guidance documentation as required. | 1. Doc. on how to address concerns expressed by CIMO-16 2. Updated WMO guidance material on measurement and reporting of wind | 31.12.2016 |  | 3 recommendations from CIMO-16 §4.38-4.41  BUFR vs CIMO Guide 🡪 consistency needed |
| 10 | **Liaise with cost action on snow measurements** |  | **Y.-A. Roulet** | 1. Monitor progress of action, inform CIMO MG of relevant activities and inform COST ES1404 of possible links to CIMO and relevant CIMO activities 2. Incorporate relevant outcomes of CAST ES1404 into CIMO Guide. 3. Develop proposal for required follow-up acttivities by CIMO, if appropriate | 1. Regular com. with CIMO MG and COST action 2. Update CIMO Guide chapter 3. Recommendation for follow-up activities during 2018-2022 | 1. On-going 2. Sept. 2017 3. March 2018 |  | Cost action ES1404 |

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1. 1 : Must (WIGOS high priority or « low hanging fruit ») – to be addressed urgently, 2 : To be finalized by CIMO-17 (2018), 3: Not in WIGOS [↑](#footnote-ref-1)