WMO SPICE Teleconference

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| Date | **19.06.2014** | Time | 13:00 – 15:00 (UTC) |
| Purpose | SPICE | | |
| IOC member attendees (strike though if not attending) | R. Nitu, B. Baker, ~~J. Hendrikx, H. Liang~~, Y.-A. Roulet~~, F. Sabatini, V. Vuglinsky~~ | | |
| ~~IOC ex-officio member attendees (strike though if not attending)~~ | S. Bilish (Australia) C. Smith – D. Yang (Canada),  ~~S. MacDonell (Chile~~) ~~O. Aulamo (Finland~~) K. Honda (Japan) ~~C. Zammit (New Zealand~~) ~~M. Wolff (Norway)~~ ~~M. Karzynski (Poland)~~  ~~TBD (Russian Fed.)~~  R. Rasmussen (USA) ~~L. Lanza (Italy)~~  S. Morin (France) ~~A. Uriel -~~ S. Buisan (AEMET-Spain)  ~~G. Diolaiuti, Antonella - D. Bocchiola (Italy/Nepal)~~  Hyelim Kim (Rep. Korea) | | |
| Other Attendees  (optional) | ~~I. Rüedi,~~ M. Earle, F. Boudala, ~~Andy Gaydos, B. Goodison~~, J. Hoover, P. Joe, J. Kochendorfer~~, T. Laine, S. Landolt, A. Senese, E. Vuerich, A. Poikonen,~~ A. Reverdin, ~~Gyu-Won Lee~~, Floor Heuvel, ~~Hee Jin~~ | | |
| Distribution | All attendees, IOC (including IOC ex-officio members) | | |
| Moderator | Rodica Nitu | Recorder | **R. Nitu, M. Earle** |

Meeting Records (A = Action / D = Decision / I = Information)

| **#** | **A / I / D** | **Item Description** | **Owner** | **Due Date** |
| --- | --- | --- | --- | --- |
| 1 | **I** | Review of work plan from Sodankyla meeting. Some key points:   * Maintain site/gauge configuration from last year (even when issues noted) to ensure consistency in dataset for at least two years * Availability/transfer of data to NCAR a priority * Develop ability to assess/detect false reports from systems under test; overall performance of systems under test has not been discussed at length | Rodica |  |
| 2 | **A** | **Overall approach for the next 18 months:**  **Milestone:** rest of 2014: Apply methods developed to date to existing SPICE datasets on multiple sites, assess results including comparative; get sense of general utility, improve as needed.  **Milestone:** 2014/early 2015: Identify any gaps, new methods required, both general and site-specific issues, related to SPICE objectives  **Milestone:** mid 2015: advanced/broad methodologies for assessing the SPICE data for all instruments under test are developed and validated.  **Milestone:** end 2015: data analysis addressing SPICE objectives, completed. |  | 2014/15 |
| 3 | **D** | **Teleconference Plan 2014-15:**   * **SPICE team teleconference**: once per month: will report on progress on specific tasks and experiment specific topics/issues. * **Data analysis teleconferences**: more frequent, topics driven, in sub-groups, based on assigned and assumed responsibilities | Rodica | On going |
| 4 | **A** | All data from past seasons to be transferred to NCAR; for those sites that are facing challenges, support will be provided by other team members (Valday and Volga: John and Antti; Gochang: Rodica; Italy, Nepal: Mareile, Samuel M). | Site Managers | Sept |
| 5 | **A** | Conduct calibration of all gauges (reference, under test) over summer of 2014 | Site managers | Oct 2014 |
| 6 | **I/A** | **Repeatability study on calibration of gauges**: Emanuele and CARE team to conduct dynamic calibration of weighing gauges; comparison of calibration results with static approach. Results to be consolidated and presented to team and in a paper (potentially). | Emanuele/ CARE team | June 23-27, 2014 + 2015 |
| 7 | **I** | Wording provided – SPICE disclaimer for abstracts | Mareile | May 23rd, 14 |
| 6 | **I** | System for flagging site/gauge issues being implemented at NCAR | John/Andy | June 2014 |
| 7 | **A** | Provide instructions on using flagging system to all site managers | John | July 2014 |
| 8 | **A** | Test QC methods implemented on NCAR site; report back to group, identify issues to be addressed | Mike/Audrey/ John | Aug 2014 |
| 9 | **A** | Development and documentation of QC procedures for systems under test | Audrey | Oct 2014 |
| 10 | **A** | Report on aggregation of data from systems under test as implemented at NCAR, currently (accumulation during periods identified by event selection) | Audrey | Next telecon |
| 11 | **A** | Present a Summary of methods implemented at NCAR in support of SPICE; to be demonstrated during next telecon | Roy/Andy | Next telecon |
| 12 | **A** | Organize data analysis meetings in near future to assign duties; teams conducting parallel analysis an option | Mareile/Rodica | Sept |
| 13 | **A** | Provide a tutorial (demo and written) on how to use all features implemented at NCAR, that are expected to be used by Site Managers, and DAT members | Roy | August |
| 14 | **D** | Audrey is the point of contact regarding the data transfer and data processing at NCAR. Audrey will develop a library of functionality desired vs functionality available and tested. | Audrey | On-going |
| 15 | **A** | Assess and discuss methods for tying together SoG with event selection; an NCAR or offline? | Craig | Next telecon |
| 16 | **A** | Follow up with Roy re: availability of manual obs at NCAR | Mike/Rodica |  |
| 17 | **A** | Retrieve data for R1-R2 assessment from FMI | Craig |  |
| 18 | **I** | Some strange behaviour noted for unshielded gauges in rain; may still see undercatch. | John |  |
| 19 | **A** | Mike to report on uncertainty assessment of Geonors and Pluvios using John’s approach | Mike | Next telecon |
| 20 | **A** | Overview of discussion with OTT | Yves-Alain | Next teleconference |
| 21 | **A** | Send any questions for OTT to Yves-Alain | Everyone | Jun. 25 |
| 22 | **A** | Upload documents to Google Drive; lead group through site during next telecon, providing instructions to site managers for how to use. | Audrey | Next telecon |
| 23 | **A** | Audrey to coordinate with Andy to create webpages for all sites and provide access to site logs sections of NCAR site; info with instruction to be provided to all site managers | Audrey/Andy | Sept 2014 |
| 24 | **I** | Proposal for SPICE special issue accepted by AMT and affiliated journals | Samuel |  |
| 25 | **A** | Share all SPICE meeting/conference presentations. Explore best location for storing two types of docs:   * SPICE related presentations, papers * Other papers with relevance to SPICE   Preferred location given to the SPICE website | Rodica/ Isabelle | Oct 2014 |
| 26 | **I/A** | SPICE presentations at recent AMS presentation to be made available to the SPICE team;  Recordings of SPICE presentations; access details to be shared. | Craig | August |
| 27 | **A** | Maintain list of conference presentations, papers for use by group | Rodica/Audrey |  |
| 28 | **A** | Teleconferences to be held to discuss path forward (to be organized by Mareile); potentially, broken up into different task groups | Mareile |  |
| 29 | **A** | Send Letter informing them of :  Prolongation of experiment  Possibility to obtain precipitation data  Invite them to liaise with sites (look at data, visit sites)  Motivate them to liaise (in your interest as SPICE will report on your instruments)  Report to Project Lead in case of problems. | Rodica/Isabelle | July |
| 30 | **A** | Letter to Site managers;  Encourage to liaise with instrument providers  Recall publication guidelines (inform provider in case of reporting results from instruments under test)  Appropriate time for feedback: at least 3 weeks in case of “negative/problematic” results.  Warn that information is scattered through various SPICE IOC meeting reports  Circulate a summary of the Data Protocol | Rodica | July |
| 31 | **A** | Review draft of Reference Report  All contributors invited to review their portion. Rodica to review the first few chapters to remove redundancy. | Rodica/ Others | July 2014 |
| 32 | **A** | Audrey to undertake the task of reviewing the sensors under test performance and data quality for the sensors at Marshall, generate flags.  Roy to provide guidance. | Audrey/Roy/ Rodica | On-going |
| 33 | **A** | Explore alternative contacts with the Tapado SPICE site | Rodica/Isabelle / Samuel M | Sept 2014 |
|  |  | **For next teleconference(s)**:   * **July teleconf:** As defined above | Rodica | TBD |

Open Actions (strike though actions that were complete since last teleconference, delete actions that were stroked through at time of previous teleconference)

| **#** | **A / I / D** | **Item Description** | | **Owner** | | | **Due Date** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **From teleconference of 20 February 2014** | | | | | | | |
| 3 | **A** | Sites to clearly document issues on heating, as well as on all interactions with manufacturers. | All | | On-going | | |
| 4 | **I/A** | Commissioning reports have only one entry for Data sampling frequency and data acquisition frequency. It is recommended that all sites provide both values.  Site tracking form should be updated if needed to capture this information. | Audrey / Craig | | 24 Feb. | | |
| 8 | **A** | Help raise resources for the CIMO Trust Fund to enable hiring someone for that. | All | | On going | | |
| **From teleconference of 23 Jan. 2014** | | | | | | | |
| 2 | **A** | Follow up with sites which have not provided the Commissioning Reports and obtain status and commitment for completion | Francesco | | | August 2014 | |
| 3 | **A** | Provide feedback to Scott on the current version of the Marshall Commissioning Protocol. | Francesco; Shane | | | Feb10 | |
| 12 | **A** | Site Managers to send to Rodica picture that are representative of their sites, which would be used for presentations/posters on SPICE | Site Managers | | | on-going | |
| 15 | **D/A** | Based on support expressed by IOC members, proposal to share some precipitation data (from precip detector or national gauges) with manufacturers was confirmed. Data shared must not contain any data from the reference gauges! Amount of data that can be shared needs to be specified (tentatively: 1 week at the beginning of the season. Request from manufacturers for subsequent data would have to be examined on a case by case basis).  Inform site managers and instrument providers accordingly. | Rodica | | | Feb 03, | |
| 20 | **A** | Develop specific recommendation for QC procedure of SoG data. | Craig (with SoG team) | | | 28 Feb. 2014 | |
| **From teleconference of 19 Dec. 2013** | | | | | | | |
| 9 | **A** | Follow-up on gauge heights (non-DFIR) | Rodica | | | Jan 16th | |
| 14 | **A** | Contact Niina Puttonen to help with analysis of reference uncertainty using Sodankyla data, focussing on low-wind conditions | Mareile | | | Jan 16th | |
| 16 | **A** | Send Audrey proposals for any terms to be defined | all | | | ongoing | |
| **From teleconference of 21 Nov. 2013** | | | | | | | |
| 6 | **D/A** | Consider putting word versions of MS-Word version of site commissioning reports on an ftp or other appropriate place to enable extraction of relevant parts if needed, f.ex by DAT team. | Rodica | | | 22 Nov. | |
| **From teleconference of 24 Oct. 2013** | | | | | | | |
| 2 | **A** | The SPICE report will need to provide feedback on calibration procedures as stated in Geonor manual to inform those using these gauges.  Key points:   * Gauge levelling * Compare 3-wire average (requires algorithm from DAT) or individual transducers with calibration load * Comparison impacts procedure in manual: if errors more than 0.5%, Geonor recommends correction of *A*, *f0* coefficients * Covering of gauge orifice during calibration | Rodica | | | In the Final report | |
| 5 | **A** | Circulate document outlining a repeated calibration for assessing uncertainty | John | | | Nov 21 | |
| 8 | **A** | Status of data transfer to NCAR to be monitored and documented regularly, shared; specifics of procedures TBD | Rodica/ Audrey | | | On going updates | |
| **From teleconference of 20 Sept. 2012** | | | | | | | |
| 1 | **A** | Look at vertical wind profile: compare measurements with observations at different heights | | John | | | Aug 2013 |
| **From teleconference of 30 August 2012** | | | | | | | |
| 2 | **A** | USA to do a repeatability study on calibration of Geonor | | Bruce | | | Oct 24, 2013 |

**Attachments:**

None.