WMO SPICE Teleconference

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| Date | **20.02.2014** | Time | 13:00 – 15:10 (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) Y.Tahara (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)  ~~Choi Eunjin (Rep. Korea)~~ | | |
| Other Attendees  (optional) | ~~M. Colli, B. Day, M. Earle~~, F. Boudala, ~~Andy Gaydos, B. Goodison,~~ J. Hoover, ~~P. Joe,~~ J. Kochendorfer, ~~T. Laine, S. Landolt, Janti Reid,~~ I. Rüedi, ~~A. Samanter,~~ A. Senese,E. Vuerich, ~~A. Poikonen,~~ A. Reverdin, Gyu-Won Lee, Jeong-Eun Lee | | |
| Distribution | All attendees, IOC (including IOC ex-officio members) | | |
| Moderator | Rodica Nitu | Recorder | **I. Rüedi** |

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

| **#** | **A / I / D** | **Item Description** | **Owner** | **Due Date** |
| --- | --- | --- | --- | --- |
| 1 | **I** | Site updates:  Haukeliseter: lots of snow. Some issues with snow/ice build-up on Geonor in DFIR; decided to provide a blast of heat to the gauge, once a day; no issues with other gauges. Hotplate will be mounted early March. Data were transferred to NCAR, but are not visible there yet.  Bratt’s Lake and Caribou Creek: One vibrating wire in Bratt’s lake seems to be temperature sensitive. Hotplate in lab. All gauges working in Caribou Creek. Some increased noise on the gauge in the clearings. Some heating issues at both sites.  Weissfluhjoch: Issue with some sensors (due to calibration problems, evaporation, data gaps). Installed webcam providing hourly picture of each sensor  Sodankylä: no problems. Data transfer to NCAR working well.  Spain: Gauges working well. Lots of snow. Gauges were completely covered! Snow cleared from around the gauges.  Guthega Dam: About to make some modification on the connection between gauges and datalogger. Data wasn’t provided to NCAR yet. | Mareile  Craig  Yves-Alain  Osmo  Samuel  Shane |  |
| 2 | **I** | Site updates (continued):  Mueller Hut: last 6 month of data is currently being QA/QC. Seems there is an issue with datalogger. Need to install a device to automatically flush the gauges.  CARE: More snow than during previous 2 years. Some problems during ice-storms. Data transfer to NCAR experiencing some delays. Have local website for data-plotting and QC, which help in identifying issues.  Marshall: Cold, windy winter. Reference DFIR destroyed twice because of wind. Most instruments working and providing data.  Japan: Usual quantity of snow. | Rodica  Rodica  Roy  Tahara |  |
| 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. |
| 5 | **A** | Share pictures of Spain with SPICE Team. | Rodica | 24 Feb. |
| 6 | **I** | Snow on the Ground DAT update. Data analysis plan and team still to be identified. Some suspect noise encountered in some Sodankyla SoG detectors. | Craig |  |
| 7 | **I** | Recommends that SoG DAT be handled together with precip amount DAT for the rest of the experiment. Would like to discuss SoG during all coming teleconferences. Need to have dedicated resources for the data analysis. | Rodica |  |
| 8 | **A** | Help raise resources for the CIMO Trust Fund to enable hiring someone for that. | All | 31 March 2014 |
| 9 | **I** | Update on progress made for the Reference Report. | Mareile |  |
| 10 | **I/A** | Objective for Sodankyla meeting: develop the strategy on how to address EACH SPICE objectives. Everyone is invited to provide proposals on how to report on each objective. Google doc will be created to this effect. | All | 10 March 2014 |
|  |  | **For next teleconference(s)**:  **Wednesday 12 March 2014, 13:00 UTC:**   * Preparation for Sodankyla Meeting   **Tuesday 18 March 2014, 13:00 UTC:**   * Regular SPICE teleconference. |  | Feb 20 |

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 23 Jan. 2014** | | | | | | |
| 2 | **A** | Follow up with sites which have not provided the Commissioning Reports and obtain status and commitment for completion | Francesco | | March 10 | |
| 3 | **A** | Provide feedback to Scott on the current version of the Marshall Commissioning Protocol. | Francesco; Shane | | Feb10 | |
| ~~5~~ | **~~I/A~~** | ~~Very little recent contact with Hala Gasnienicowa (Poland) site. Need to identify parallel communication way.~~ | ~~Isabelle / Rodica~~ | | ~~13 Feb~~ | |
| ~~7~~ | **~~A~~** | ~~Share ppt presentation on Japan experiment with SPICE team.~~ | ~~Y. Tahara~~ | | ~~31 Jan. 2014~~ | |
| ~~10~~ | **~~A~~** | ~~Sites managers are encouraged to submit abstracts for TECO-2014.~~ | ~~All~~ | | ~~31 Jan. 2014~~ | |
| 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 | |
| 14 | **A** | ~~Share ppt presentation made at GEO-X with SPICE team~~ | ~~Rodica~~ | | ~~31 Jan. 2014~~ | |
| 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, | |
| ~~16~~ | **~~D/A~~** | ~~Would be valuable to have on the SPICE website a place indicating what is new to facilitate understanding of progress by those who are not closely following progresses of SPICE.~~ | ~~Secretariat~~ | | ~~28 Feb. 2014~~ | |
| 18 | **A** | ~~All site managers to provide 1-page summary of their site for the report, to Rodica.~~ | ~~Site managers~~ | | ~~Jan 31~~ | |
| 20 | **A** | Develop specific recommendation for QC procedure of SoG data. | Craig (with SoG team) | | 28 Feb. 2014 | |
| 22 | **A** | Present results of low intensity field calibrator testing. | Emanuele | | 28 Feb. 2014 | |
|  | **A** | Rodica to distribute proposed objectives for Sodankylä meeting | Rodica | | March 10 | |
| **From teleconference of 19 Dec. 2013** | | | | | | |
| 9 | **A** | Follow-up on gauge heights (non-DFIR) | Rodica | | Jan 16th | |
| 12 | **A** | Summarize previous results to help with R1-R2 comparison section of report | Craig | | Jan 21st | |
| 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. | |
| 8 | **A** | Share pictures of mounting of disdrometer within the inner-fence of the DFIR-fence | Rodica | | 30 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 | |
| 3 | **A** | DAT to request field verification data from sites to test Geonor algorithm | Mareile/Mike | | Nov 21 | |
| 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 26 Sept. 2013** | | | | | | |
| 5 | **A** | Proposal for dates for Future teleconferences:  2013: ~~Oct 24, Nov 21, Dec 19~~  2014: ~~Jan 23~~, ~~Feb 20~~, March 10, March 18, April 10, April 24, May 08  Teleconf specific topics to be defined by Oct 24. | | Rodica/ Isabelle | Ongoing | |
| 8 | **A** | ~~Clarify the participation of MTX (1 TBRG for Marshall)~~ | | ~~Rodica~~ | ~~Oct 10, 2013~~ | |
| **9** | **A** | **All 2012/13 data to be transferred to NCAR archive** | | **Site managers** | **Nov 2013** | |
| 10 | **A** | ~~Review all outstanding actions from Davos meeting~~ | | ~~All~~ | ~~Oct 24, 2013~~ | |
| **From teleconference of 2 May 2013** | | | | | | |
| 6 | **A** | Letter requesting funds for CIMO Trust Fund with highlight on SPICE data analysis to be sent to all WMO Members | | Isabelle | Oct 24, 2014 | |
| 9 | **A** | Summarize procedure for site validation of gauges. As used in Norway | | Mareile | Oct 24, 2013 | |
| **From teleconference of 24 January 2013** | | | | | | |
| 10 | **D/A** | ~~Check signature of Data Protocol by all participants.~~  ~~Check access to NCAR site.~~ | | ~~Isabelle/ Rodica~~ | ~~Oct 24, 2013~~ | |
| **From teleconference of 16 November 2012** | | | | | | |
| 4 | **A** | ~~Develop a press release~~ | | ~~Rodica / Isabelle~~ | | ~~Feb 2014~~ |
| **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.