WMO SPICE Teleconference

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| Date | **23.01.2014** | Time  | 13:00 – 15:20 (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,~~ 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, M. Earle, R. Nitu**  |

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

| **#**  | **A / I / D** | **Item Description** | **Owner** | **Due Date** |
| --- | --- | --- | --- | --- |
| 1 | **I** | Update on status of site commissioning reports | Francesco |  |
| 2 | **A** | Follow up with sites which have not provided the Commissioning Reports and obtain status and commitment for completion | Francesco | Feb 10 |
| 3 | **A** | Provide feedback to Scott on the current version of the Marshall Commissioning Protocol. | Francesco; Shane | Feb10 |
| 4 | **I** | Update on Pyramid Lab, Forni Glacier sites; will add a snow pillow at Forni. Looking for guidance on the calibration to be conducted on the site instruments.  | Daniele, Guglielmina |  |
| 5 | **I/A** | Very little recent contact with Hala Gasnienicowa (Poland) site. Need to identify parallel communication way. | Isabelle / Rodica | 13 Feb |
| 6 | **I** | Presentation of Japan sites of Rikubetsu (Start Dec 16th) and Joetsu. (start Jan 17th) | Y. Tahara |  |
| 7 | **A** | Share ppt presentation on Japan experiment with SPICE team. | Y. Tahara | 31 Jan. 2014 |
| 8 | **I** | Presentation of the experiment in Col de Porte (France) on behalf of French Team which is unable to attend teleconference today, including some preliminary analysis. Commissioning report under completion. | Y.-A. Roulet |  |
| 9 | **I** | TECO-2014: Switzerland, New Zealand, Norway, USA plan to submit abstracts for TECO-2014. General presentation will be submitted by Rodica. | All |  |
| 10 | **A** | Sites managers are encouraged to submit abstracts for TECO-2014. | All | 31 Jan. 2014 |
| 11 | **I** | Deadline for June AMS meeting is 03 Feb. 2014.  | Rodica |  |
| 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 |
| 13 | **I** | Presentation was made on SPICE at GEO-X (on 13 January 2014) by Y.-A. Roulet. Various communities mentioned interest for the SPICE results and/or interest for collaboration. | Rodica / Yves-Alain |  |
| 14 | **A** | Share ppt presentation made at GEO-X with SPICE team | Rodica | 31 Jan. 2014 |
|  | **I** | Contacted IOC members about proposal made during last teleconference to share some precipitation data with instrument providers (raw data, unprocessed) from a gauge that is not part of the reference. To enable them to verify the proper functioning of their instruments. Need to agree on how much data (# of days per months) should be shared too. | Rodica |  |
| 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 |
| 17 | **I** | Data Analysis Team: Smaller group teleconferences took part for the data analysis.Data QC from NCAR is very important for data analysis.NCAR is providing support in case of problems to update the data. Andy Gaydos has been very helpful in transfering the data to NCAR from all sites. | Mareile |  |
| 18 | **A** | All site managers to provide 1-page summary of their site for the report, to Rodica. | Site managers | Jan 31 |
| 19 | **I** | Snow on the ground: teleconference was held on 14 January. First draft analysis plan was circulated. Expecting SoG data to be QC in NCAR. Protocol needs to be defined in a similar way as what is done for precipitation data.Circulate draft plan to entire SPICE team, for feedback. | Craig |  |
| 20 | **A** | Develop specific recommendation for QC procedure of SoG data.  | Craig (with SoG team) | 28 Feb. 2014 |
| 21 | **I** | Field calibrator for very low precipitation intensities (1mm/h) is now ready. Will not replace present SPICE procedure, but can be used in addition to increase confidence. At present unclear how it could be made available to all sites. First results of testing this field calibrator should be available within one month. | Emanuele |  |
| 22 | **A** | Present results of low internsity field calibrator testing. | Emanuele | 28 Feb. 2014 |
| 23 | **I** | Prepared document for CIMO MG on need to extend experiment until 2015 and for dedicated resources to conduct data analysis. | Rodica | Feb10 |
|  | **A** | Rodica to distribute proposed objectives for Sodankyla meeting | Rodica | Feb 10 |
| 24 | **I** | Local arrangements for SPICE team meeting in Sodankyla | Osmo | Feb 28 |
| 25 |  | **For next teleconference(s)**:**Proposed for 20 Feb. teleconference:** * Data availability
* Issues identified by sites preventing full data availability from their site
 |  | Feb 20 |

Open Actions

| **#**  | **A / I / D** | **Item Description** | **Owner** | **Due Date** |
| --- | --- | --- | --- | --- |
| **From teleconference of 19 Dec. 2013**  |
| ~~2~~ | **~~A~~** | ~~Share Marshall report in current form with Francesco, Shane to get feedback~~ | ~~Scott~~ | ~~Dec 27th~~ |
| ~~3~~ | **~~A~~** | ~~Report on current status of experiments in Japan~~ | ~~Tahara~~ | ~~Jan 16~~~~th~~~~, 2014~~ |
| ~~6~~ | **~~A~~** | ~~Get in touch with Samuel Morin/Yves Lejeune re: updates on installation status at Col de Porte~~ | ~~Yves-Alain~~ | ~~Jan 16, 2014~~ |
| 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 |
| ~~13~~ | **~~A~~** | ~~Share Jokioinen data with Craig, Kai to help with R1-R2 assessment~~  | ~~Osmo (to be facilitated by Antti Poikonen)~~ | ~~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**  |
| ~~5~~ | **~~A~~** | ~~Liaise with Volga river site manager on details of the site configuration (2 reference instruments within the DFIR-fence? Round DFIR-fence?)~~*Update: message sent; no response as of Jan 10th* | ~~Rodica~~ | ~~30 Nov~~ |
| 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 |
| ~~7~~ | **~~A~~** | ~~Prepare and distribute proposal for data collection requirements for SOG~~ | ~~Craig~~ | ~~Nov. 4~~ |
| 8 | **A** | Status of data transfer to NCAR to be monitored and documented regularly, shared; specifics of procedures TBD | Rodica/ Charmaine (Canada) | On going updates |
| ~~9~~ | **~~A~~** | ~~Commissioning Reports: finalised and posted by Nov 15th~~ | ~~Francesco/ Shane~~ | ~~Nov 21st~~ |
| **From teleconference of 26 Sept. 2013**  |
| ~~1~~ | **~~A~~** | ~~Site commissioning Reports will be posted on the WMO-SPICE website.~~ | ~~Francesco/ Isabelle~~ | ~~Nov21, 2013~~ |
| ~~2~~ | **~~A~~** | ~~Meeting IOC-SPICE-5, Sodankylä May 19-23, 2014~~ | ~~Isabelle/Timo/Rodica~~ | ~~May 2014~~ |
| 5 | **A** | Proposal for dates for Future teleconferences: 2013: ~~Oct 24, Nov 21, Dec 19~~2014: ~~Jan 23~~, Feb 20, March 13, April 10, April 24, may 08Teleconf specific topics to be defined by Oct 24. | Rodica/ Isabelle | Ongoing |
| ~~7~~ | **~~A~~** | ~~Send reminder to Instrument Providers accepted in 2013, for distribution of instruments (Eigenbrodt, YES)~~ | ~~Rodica/Isabelle~~ | ~~Oct 10, 2013~~ |
| 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 |
| ~~11~~ | **~~A~~** | ~~Sites to provide updates on status of optical precipitation detectors (require for reference) and precipitation type sensors (recommended)~~ | ~~Site managers~~ | ~~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 |
| ~~8~~ | **~~D/A~~** | ~~Provide pictures of test sites to create a SPICE slide-show/clip~~ | ~~Site Managers~~ | ~~Oct 24, 2013~~ |
| 9 | **A** | Summarize procedure for site validation of gauges. As used in Norway | Mareile | Oct 24, 2013 |
| ~~10~~ | **~~A~~** | ~~Site managers to plan and conduct a site validation of the gauges at the end of the season, preferably before the Davos Meeting~~~~(Orifice to be covered before/after the water is poured in the gauge to reduce noise level.)~~ | ~~Site managers~~ | ~~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.