WMO SPICE Teleconference

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| --- | --- | --- | --- |
| Date | **02.05.2013** | Time  | 12:00 – 13:45 (UTC) |
| Purpose | SPICE |
| IOC member attendees(strike though if not attending) | R. Nitu, B. Baker, J. Hendrikx, E. Lanzinger, ~~H. Liang, Y.-A. Roulet,~~ F. Sabatini, ~~V. Vuglinsky~~ |
| IOC ex-officio member attendees(strike though if not attending) | S. Bilish (Australia) R. Nitu – C. Smith – ~~D. Yang~~ (Canada), ~~S. MacDonell (Chile) O. Aulamo (Finland) TBD (Japan)C. Zammit (New Zealand)~~ M. Wolff (Norway)  ~~M. Karzynski (Poland)~~~~TBD (Russian Fed.) Y.-A. Roulet (Switzerland)~~R. Rasmussen (USA) ~~L. Lanza (Italy)~~ |
| Other Attendees(optional) | ~~M. Colli, B. Day, M. Earle,~~ B. Faisal, ~~Andy Gaydos~~, B. Goodison, ~~J. Hoover,~~ P. Joe,J. Kochendorfer, T. Laine,S. Landolt, ~~Janti Reid~~, I. Rüedi, ~~A. Samanter, E. Vuerich, A. Poikonen~~ |
| Distribution | All attendees, IOC (including IOC ex-officio members) |
| Moderator | Rodica Nitu | Recorder | **Isabelle Rüedi**  |

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

| **#**  | **A / I / D** | **Item Description** | **Owner** | **Due Date** |
| --- | --- | --- | --- | --- |
| 1 | **I** | Summary of new submissions will be sent shortly to IOC members towards finalizing the list of new participants by correspondence. |  |  |
| 2 | **D/A** | Complete the site commissioning reports so that they can be finally approved during Davos mtg | Site Managers | At the latest 10 June |
| 3 | **D** | Documents for Davos meeting should be ready by 7 June 2013 so that people (in particular those not present at the meeting) will have time to review them and comment on them prior to the meeting |  |  |
| 4 | **D/A** | Agenda for the meeting to be posted on the website | Isabelle | 3 May 2013 |
| 5 | **I/A** | The site of Chile will not be in a position to accommodate a TBH-30 during the 2013 winter at least. TBH-30 allocation to be discussed during Davos meeting | IOC | June 21 2013 |
| 6 | **A** | Letter requesting funds for CIMO Trust Fund with highlight on SPICE data analysis to be sent to all WMO Members | Isabelle | 31 May 2013 |
| 7 | **D** | Instrument from Droplet Measurement Technologies which had been provided to Care (Canada) will be shipped and installed in Marshall (USA) because of its installation specificities | Rodica/Roy |  |
| 8 | **D/A** | Provide pictures of testsites to create a SPICE slide-show/clip | Site Managers |  |
| 9 | **A** | Summarize procedure for site validation of gauges. As used in Norway | Mareile |  |
| 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 poored in the gauge to reduce noise level.) | Site managers | 10 June 2013 |
|  |  | **For next teleconference(s)**:Thu 23 May (12 UTC): * Document status for Davos Meeting
* DAT update
* Site updates (incl. data transfer to NCAR)
* Review of commissioning reports
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Open Actions

| **#**  | **A / I / D** | **Item Description** | **Owner** | **Due Date** |
| --- | --- | --- | --- | --- |
| **From teleconference of 10 April 2013** |
| ~~3~~ | **~~A/D~~** | ~~DAT proposal of agenda for break-out sessions at Davos meeting, including proposals for required documents to be prepared in advance and any supporting information required.~~ | ~~Roy/ Eckhard (DAT)~~ | ~~30 Apr 2013~~ |
| 4 | **A** | Coordination of strategy for snow on the ground session(s) at Davos meeting | Craig/ Barry |  |
| 5 | **A** | Rodica to coordinate with site managers re: outline of site reports for Davos meeting. Emphasis on heating, capping. Reports to be available for June 1. | Rodica | May 05/June 01 |
| ~~6~~ | **~~A~~** | ~~Rodica to coordinate with Yves-Alain re: local arrangements for Davos meeting~~ | ~~Rodica/ Yves-Alain~~ | ~~April 30~~ |
| 7 | **A** | Rodica to coordinate with Isabelle re: WebEx arrangements for Davos meeting | Rodica/ Isabelle | April 30 |
| ~~8~~ | **~~A~~** | ~~Group to provide any suggestions related to meeting agenda by next week. Agenda will then be posted online.~~ | ~~Everyone~~ | ~~15 Apr 2013~~ |
| 10 | **A** | Roy and Rodica to follow-up re: statistician for data analysis | Roy/ Rodica |  |
| 11 | **A** | Rodica to coordinate preparation of summaries of new submissions.IOC to decide on participation  | Rodica | April 30May 15 |
| 13 | **A** | Follow-up on provision of heaters by Geonor for submitted gauges | Roy/Scott/ Bruce | May 02 |
| ~~14~~ | **~~A~~** | ~~Updates on status of commissioning reports from site managers~~ | ~~Site managers~~ | ~~2 May 2013~~ |
| 15 | **A** | Call for volunteers to review site commissioning reports |  | 2 May 2013 |
| ~~16~~ | **~~A~~** | ~~DAT next teleconference: April 26, 12 UTC; agenda to follow~~ | ~~Eckhard~~ |  |
| **From teleconference of 21 March 2013** |
| ~~1~~ | **~~I~~** | ~~Presentation of the Valdai data (1991-2010) evaluation by Daqing Yang~~ |  |  |
| ~~2~~ | **~~A~~** | ~~Provide 2 heating tapes for laboratory testing of Geonor heaters~~ | ~~John/ Bruce~~ | ~~June 2013~~ |
| ~~3~~ | **~~D/A~~** | ~~Have a session on gauge heating during Davos meeting. Sites to provide input.~~ |  | ~~June 2013~~ |
| 4 | **A** | Install second instrument of each type available in Sodankyla in the same configuration as first instrument.  | Timo/ Osmo | 1 Aug 2013 |
| ~~5~~ | **~~I~~** | ~~OTT is working on a modified shape of the Pluvios (not a modified heating) to prevent snow accumulation on the gauge shoulder~~ |  |  |
| ~~6~~ | **~~A~~** | ~~Summary of lab work and plans for presentation in Davos~~ | ~~Matteo~~ | ~~Next teleconf (10 April 2013)~~ |
| **From teleconference of 21 February 2013** |
| 1 | **D/A** | Have a draft structure for the report on the reference by 8 March 2013 | Eckhard / Rodica | 31 March 2013 |
| 2 | **D** | Involve experts not presently involved in SPICE in the review of the snow on the ground document | Rodica | April 30 |
| 3 | **A** | To consult with experts from own and other services on the proposed snow on the ground document and feasibility of proposed approach; provide feedback to Rodica and BarryBarry to approach GCW community | All | 8 March 2013 |
| ~~4~~ | **~~D~~** | ~~Share protocols of DAT teleconference with the whole SPICE project team~~ | ~~Eckhard~~ | ~~Following DAT teleconferences~~ |
| 6 | **I/D** | NCAR heaters not able to maintain a rim temperature below 0°C in Haukeliseter (Norway) when very cold, or cold and very windy.**Objective of heaters is to maintain a temperature of 2°C on the gauge rim.****Heating power can be adjusted by sites to reach this objective, but has to be documented.** |  |  |
| **From teleconference of 14 February 2013** |
| ~~4~~ | **~~A~~** | ~~To implement Ott heating algorithm to 4 Pluvios of Sodankyla (1 in R2, 2 in R3, and one for the instrument provided by Ott) and document time of change~~ | ~~Osmo~~ | ~~Feb. 2013~~ |
| **From teleconference of 24 January 2013** |
| 4 | **D/A** | Agree with proposal to include 2 additional SHM30 sensors (ESW) on another testsite (tentatively in Poland) – Follow-up with potential testsite(s)  | Rodica  | ~~28 Feb~~30 April 2013 |
| 5 | **D/A** | Agree with proposal to assign the third TBH-30 sensors (Hydrological Services America) to a remote site (Chile) or a site receiving large amounts of precipitation (New Zealand, Japan) – Follow-up with potential testsite(s)  | Rodica  | ~~28 Feb~~ 30 April 2013 |
| ~~7~~ | **~~A~~** | ~~DAT to review/finalize data QC procedures and present in teleconference~~ | ~~DAT~~ | ~~21 Feb 2013~~ |
| 10 | **D/A** | Everyone who will be requesting a password for accessing data of NCAR archive must have signed the data protocol on a personal basisSign data protocol if not already done: including DAT members | All  | 28 Feb 2013 |
| **From teleconference of 17 January 2013** |
| 1 | **A**  | Compare results of Pluvio2 run with 1) Ott heating algorithm and 2) CRN heating algorithm. Pluvios need to be set-up in same environment (shields) for the test, not necessarily DFIRs. | Yves-Alain | June 2013 |
| 2 | **A** | Compare performance of optical and capacitive precipitation detector and assessment of requirement to replace capacitive precipitation detectors in use in all references (R1, R2, R3) with optical detectors | Roy/Eckhard | 10 June 2013 |
| 3 | **A** | Lobby for contribution to CIMO Trust Fund for hiring data analyst | All |  |
| **From teleconference of 19 December 2012** |
| 3 | **A** | Any updates/changes regarding gauges provided by manufacturers or their configurations should be captured in project documentation (site commissioning report), with all associated details sent to Rodica/Isabelle. | All |  |
| 4 | **A** | Site managers to ensure transfer of data to NCAR; to be conducted in parallel with other activities | All |  |
| **From teleconference of 16 November 2012** |
| 1 | **A** | Evaluate capping in lab at -10°C with and without heating algorithm on | Matteo | 31 Dec. 2013 |
| 3 | **A** | Assess whether there is an impact on ability to measure if a transducer is exchanged with a temperature sensor (with a view to add a T sensor to reference Geonor in DFIR if no impact) | Matteo | 31 Dec. 2013 |
| 4 | **A** | Develop a press release | Rodica / Isabelle | ~~15 Dec.~~Oct 15 |
| **~~From teleconference of 8 November 2012~~** |
| ~~2~~ | **~~A~~** | ~~Inquire about expertise of SLF people on measurement/reading of snow stakes with cameras~~ | ~~Yves-Alain~~ | ~~16 Nov 31 March 2013~~ |
| **From teleconference of 4 October 2012** |
| ~~1~~ | **~~A~~** | ~~Address how the 6s data should be exchanged~~ | ~~Rodica Eckhard~~  | ~~10 April 2013~~~~15 Dec~~~~15 Oct~~ |
| **From teleconference of 20 Sept. 2012** |
| 1 | **A** | Look at vertical wind profile: compare measurements with observations at different heights | John | ~~1 Feb~~ 1 Aug 2013~~1 Nov~~. |
| **From teleconference of 30 August 2012** |
| 2 | **A** | USA to do a repeatability study on calibration of Geonor | Bruce | 5 May 2013~~1 Oct~~ |

**Attachments:**

None.