WMO SPICE Teleconference

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| --- | --- | --- | --- |
| Date | **21.03.2013** | Time | 13:00 – 14:55 (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** | 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) |
|  |  | **For next teleconference(s)**:  Wed 10 April:   * Refined Agenda for Davos Meeting * Documentation Plan for Davos Meeting * Summary on new submission * Summary from Matteo * Feedback on Snow on the ground document * DAT update * Site updates (incl. data transfer to NCAR)   Review commissioning report for ….  Data archival/transfer procedure  Calibration procedure  Lab Test Results |  |  |

Open Actions

| **#** | **A / I / D** | **Item Description** | **Owner** | | **Due Date** |
| --- | --- | --- | --- | --- | --- |
| **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 Barry  Barry 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 | |
| ~~6~~ | **~~A~~** | ~~Check whether instruments were received in pairs in Sodankyla, according to SPICE-IOC-2 meeting (Boulder) decision and consider possible installation of those instruments still during this winter. If so, details of mounting (according to manufacturer specification or alternate mounting) should be agreed by IOC beforehand, after consultation with manufacturers.~~ | ~~Osmo~~ | ~~28 Feb 2013~~ | |
| **From teleconference of 31 January 2013** | | | | | |
| ~~5~~ | **~~A~~** | ~~Invite sites to provide favourite dataset~~ | ~~Eckhard~~ | ~~21 Feb~~ | |
| **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 basis  Sign 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** | | | | | |
| 2 | **~~A~~** | ~~Update status of gauges sent by OTT (if received, and if not, by when)~~ | ~~Daqing/ Craig, Roy (Scott)~~ | |  |
| 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 | |  |
| ~~5~~ | **~~A~~** | ~~Provide login information for DAT members to access Marshall data on NCAR SPICE website~~ | ~~Roy/Scott/ Andy~~ | |  |
| **From teleconference of 26 November 2012** | | | | | |
| ~~3~~ | **~~A~~** | ~~Provide info to Chile, Australia on power requirements (reminder)~~ | ~~Bruce~~ | | ~~Nov. 30~~ |
| 4 | **~~I~~** | ~~Geonor to provide heaters for 1500 mm gauges~~ | ~~Bruce~~ | |  |
| 5 | **~~A~~** | ~~Rodica to send Bruce an e-mail regarding how many heaters are required and where they’re going~~ | ~~Rodica~~ | |  |
| ~~6~~ | **~~A~~** | ~~Share schematic for Geonor temperature controller~~ | ~~Rodica~~ | |  |
| ~~7~~ | **~~A~~** | ~~Finish summary of data loggers and distribute~~ | ~~Mike~~ | |  |
| **From teleconference of 16 November 2012** | | | | | |
| 1 | **A** | Evaluate capping in lab at -10°C with and without heating algorithm on | Matteo | | 31 Dec. |
| ~~2~~ | **~~A~~** | ~~Develop simple algorithm to eliminate noise in Geonor~~ | ~~Matteo~~ | | ~~31 Dec.~~ |
| 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. |
| 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 |
| 4 | **~~A~~** | ~~Inquire on availability of meeting room for SPICE IOC-4~~ | ~~Yves-Alain~~ | | ~~16 Nov.~~ |
| **From teleconference of 1 November 2012** | | | | | |
| ~~1~~ | **~~A~~** | ~~Follow-up with Geonor on the use of heaters for Geonor 1500: use standard heaters, as supplied by the manufacturer~~ | ~~Bruce~~ | | ~~Nov 16th~~ |
| ~~2~~ | **~~D/A~~** | ~~New call for instruments to be issued early 2013 (tentatively by end of January, with deadline for reply by end of March) focussing on emerging technologies~~ | ~~Secretariat~~ | | ~~31 Jan 2013~~ |
| ~~3~~ | **~~D/A~~** | ~~Continue with weekly teleconferences until Jan 31~~~~st~~~~; then reassessed (Thursdays, 13 UTC), unless exceptions.~~ | ~~All~~ | | ~~31 Jan 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~~ |
| ~~2~~ | **~~A~~** | ~~Quality checks available in NCAR archive~~ | ~~Scott/ Roy~~ | | ~~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.