# AOPC-22 Action tracking – 27th February 2018

No progress

In progress

Done

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| N° | Action | Responsibility | Deadline | Progress until 20th June | Progress until 20th September | Update |
| 22/1 | **GCOS and WCRP cooperation:** GCOS and WCRP Secretariats to develop a formal process for collecting observational requirements for Climate Monitoring  from the research community | GCOS Secretariat | January 2018 | No progress | GCOS Secretariat has prepared a survey to collect requirements for Climate monitoring from the broader community. The survey has now been shared with the WCRP Secretariat for comments and will soon be shared with panels chairs | Survey sent to broader community |
| 22/2 | **Open data policy**: Copernicus to request support from GCOS on national data availability and associated metadata. Involve WIGOS. | Peter Thorne | October 2017 | Copernicus contract is working on inventory of a huge range of data sources. This shall be deposited in late August after which we shall endeavor to contact secretariat to discuss potential next steps. | Data access is going to be easier in EU (lot 4), UK metoffice will open archives soon. Peter, Steve F. and Max met to discuss WIGOS ID and there is progress. | Still open. We would still like secretariat to engage national focal points to enquire around data availability and get those willing to submit to the NCEI and Copernicus archival effort. What is required is that we draft a letter that gets transmitted to FPs (not PRs!) asking for consideration of submission of national holdings of surface met obs and metadata to the effort. |
| 22/3 | **Access to high quality networks:** Consider to invite Fabio Madonna to next AOPC as the service lead for lot 3 of Copernicus C3S\_311a about access to high quality networks (baseline and reference network). The objective for this lot is to rationalise, harmonise and generally improve access to measurements provided by the large variety of existing networks, to facilitate climate monitoring, estimation of ECVs and uncertainty assessments. | GCOS Secretariat | January 2018 | No Progress | Consider to invite Fabio Madonna to next AOPC | Invited and on agenda |
| 22/4 | **IP actions**:  Identify experts on the way forward for IP actions postponed for future | AOPC | January 2018 | 1. Jim can ask Chuck Long from NOAA, who is the chair of BSRN for possible candidates to work on the radiation actions of the IP.  2. Or ask somebody from BSRN for candidate of AOPC member ;  3. Martin Wields, DTH was mentioned but he is more in research than operation  Invite this person to next AOPC meeting as an expert. | invite radiation expert to next AOPC (Chuck Long) | Invited Amelie Driemel.  At next AOPC identify other experts (included in agenda) |
| 22/5 | **ECV requirements** : Write a complete description of the Application Area (Climate monitoring) to be submitted to the other two panels, to be used for the OSCAR/requirements DB | GCOS Secretariat | April 2017 | Completed |  |  |
| 22/6 | **OSCAR/requirements**: Secretariat to discuss with the other panels the use of 3 values for the OSCAR requirements table | GCOS Secretariat | GCOS Steering Committee | Discussed with TOPC and OOPC secretariat. For now, only one number will be available for OSCAR. During the first review of the requirements table, the community will be asked whether they prefer 2 or 3 values. Decision will be made final at 2018 panel meeting. |  |  |
| 22/7 | **Requirements for RS launches**: Put together the terms of reference for a task team to study the relationship between GUAN and the broader GOS radiosondes networks, including studying impacts on obtaining higher altitude for radiosondes, flexible launch time and keeping the original data from radiosondes | GCOS Secretariat,  Phil Jones, Peter Thorne, Ken Holmlund | May-June2017 | In progress. Draft of ToR ready. Selection of members in progress. | Meeting scheduled for early December in Lindenberg |  |
| 22/8 | **Cloud and water vapour**: Ken Holmlund to discuss with Carolin Richter and Stephen Briggs how to best bring up to the space agencies the requirement for  lidar type of mission . Possibly produce an AOPC position paper. | Ken Holmlund | May-June 2017 | Ken brought this up at CGMS in June 17. Next: secretariat to check with Lars-Peter how best to bring this into WIGOS 2040 | Ken has asked for an amendment for WIGOS2040 to better capture this requirement.  Should we consider this done, or is it still the idea of a position paper? | Discuss whether a position paper is needed |
| 22/9 | **Cloud and water vapour**: Include discussion and notes sent from Helene Chepfer in report of AOPC22 | GCOS Secretariat | May 2017 | Done |  |  |
| 22/10 | **Cloud and water vapour**: bring up the requirement for  lidar type of mission at CEOS and CGMS | Carolin Richter, Ken Holmlund | Ongoing | Ongoing.  Carolin to bring it up at CEOS meeting in September. | M.Rixen made aware of future survey on requirements where Helen can comment and bring up the requirements. |  |
| 22/11 | **IP requirements for GHG**: Unify the IP requirements for GHG. Jim Butler to start working at the GGMT in August. | James Butler, Greg Carmichael | September, AOPC23 | Meeting will be in September, Jim is coordinating with Greg | Greg discussed it, developed detailed requirements, Jim currently reviews it from GCOS perspective, work in progress. Jim has sent an update to Ken+Secr. | Discuss Jim’s update at AOPC during session on ECV requirements  (include in agenda) |
| 22/12 | **Metadata standards**: Facilitate contact with regard to the potential for the Copernicus service to use OSCAR (WIGOS). OSCAR only uses pub 9 as id, but Copernicus needs a larger set of station ids. | GCOS Secretariat and Peter Thorne | End of June 2017 | Peter asked to be put in contact with Steve Foreman. Please send email making bridge contact. Done | Peter met with Steve Foreman on 13th Sept to progress and also discussed with Dick Dee and remaining C3S 311a Lots. In progress. | We have a discussion document that now needs transmission to Copernicus. Peter awaiting sign off from WIGOS colleagues. Caterina needs to get Steve or Maxx to approve and then he can move this into C3S |
| 22/13 | **Metadata standards:** AOPC to communicate to the other panels the decision to use WIGOS metadata standards and follow up. Set up a joint group to consider an extension for climate records standards that can build up on work already done by the climate CEOS CGMS JWG. | GCOS secretariat | GCOS SC | Caterina and Valentin talked to Simon and Katy about that. AOPC to work with WIGOS for including climate requirements  into metadata, For Ocean JCOMM needs to interact with WIGOS, Terrestrial agreed on the need of metadata standard but not mature yet for inclusion into WIGOS.  Caterina to discuss with Carolin about how to proceed about the possibility of setting up group on metadata standards with OOPC and TOPC | to discuss in China. | For the atmosphere use the WIGOS metadata standards. However, in order to guarantee a consistent approach across the panels, **each panel is invited to appoint a member and form a joint working group on metadata standards.**  **(Action SC 25/16)** |
| 22/14 | **Review of ECV Observation Networks**: Contact Dick Dee in September to ask who was awarded the EQC contract and initiate a discussion, which includes details on how the work will move forward | GCOS secretariat | September and then report to AOPC | A contract led by CNR with involvement of Peter is now in negotiation. We should be in a position to provide a substantive update at the next AOPC meeting and a slot may be warranted accordingly. Peter can present. | Peter followed up, Peter present at next AOPC.  Contract started in Nov 2017. Peter is the WP lead for surface ECVs EQC. We will have sufficient progress (initial outcomes) to justify a slot and discussion at AOPC in 2019 as to whether this partly or wholly meets GCOS needs but can give a very brief update at 2018 AOPC | It shall consider adequacy against GCOS requirements, maturity (against the more sane CORE-CLIMX criteria), aspects of fitness for purpose and assessment of quality using a modified version of the ESMVal tool. Peter suggests inviting a talk on this at next AOPC which he could give if GCOS is unable to cover PI invitation costs. At that point you’ll have an example of the output and thus be in a position to consider something tangible rather than hypothetical. |
| 22/15 | **RRR and OSCAR**: Confirmation of ownership of RRR Application area Climate monitoring | GCOS secretariat | done-record on report |  |  |  |
| 22/16 | **RRR and OSCAR**: Assistance in updating content of OSCAR/requirements for AA Climate Monitoring. | GCOS secretariat | to record |  | Talked to Etienne. The OSCAR/requirement page has been updated. Caterina will talk to Etienne about how to update the content. | On agenda |
| 22/17 | **RRR and OSCAR :** Update of references to GCOS documents that act as RRR s Statement of Guidance (gap analysis) for Climate Monitoring | GCOS secretariat | June 2017 | Discussed with GCOS Secretariat. For now, we will update documents, It will then require a summary. | Document references given to Etienne that now needs to update |  |
| 22/18 | **RRR and OSCAR :** Review of contents of OSCAR/Requirements, Space, Surface. | GCOS secretariat | recommendation |  |  |  |
| 22/19 | **Lightning**: AOPC to engage a Task Team to work on lightning. John Eyre and Bruce Ingleby to give us names of possible experts. Task team to write a position paper on lightning that should then be peer reviewed. | AOPC | March 2018 | Talked to CCl and will work in cooperation with them.  Ongoing  Keep panel informed | A task team is currently set up. ToR drafted and experts invited. | Meeting took place in February |
| 22/20 | **Parallel observations** **collection and analysis effort**: GCOS sec to discuss with the other panels requests 1. and 2. from text above (Section 11.5 of AOPC 22 report) | GCOS Secretariat | GCOS Steering Committee | No progress | Ken to bring up this at the SC | No decision at the SC was reached about the systematic collection of parallel measurements. |
| 22/21 | **GSRN (GCOS Surface Reference Network):** Set up a task team to work on the way forward for establishing a GSRN. This includes writing a term of reference and selecting the composition and leader of the task team. | Peter Thorne, Ken Holmlund, Phil Jones, Caterina Tassone | September 2017 (GCOS Secretariat) | In progress. Draft of ToR ready. Selection of members in progress.  Paper that was presented at AOPC is now being redrafted for submission to IJOC. Will aim to submit prior to next call. | Selection of members completed. First in person meeting will be held at Maynooth U. 1-2-3 November 2017.  paper soon to be submitted | Meeting held in November. Meeting report being finalized.  Paper accepted.  Update on agenda |
| 22/22 | **Weather radar:** Write a proposal on how best to proceed on the use of radar data for climate studies. Submit the proposal to the panel, to Carolin and after approval to the GCOS Steering Committee | Andreas Becker, Ken Holmlund Philip Jones, Elena Saltikoff | September 2017 GCOS Steering Committee | In progress. Draft of ToR ready. Selection of members in progress. | 1st meeting held in Helsinki on 30-31st August 2017. Work plan and deliverables agreed and ToR finalized. |  |
| 22/23 | **CATCOS:** Report back to AOPC on performance of 5 CATCOS stations and use of support funds. | GCOS Network manager | Annual report and AOPC23 | work in progress | in progress, under control | Draft agreement between WMO and the Swiss institutes who manage CATCOS has been agreed, and is in the process of being signed. Thus the support from GCOS will cover the period 2018 to 2020. Tim to report back to the next AOPC on the performance of the CATCOS stations. |