**50th Meeting of the Working Group on Calibration & Validation Team (WGCV)**

**4 October 2022 Update**

**DECISIONS**

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| **Decision 01** | WGCV recommends that CEOS agencies adopt the TSIS Solar Irradiance Spectrum, noting that incremental updates will be forthcoming. |

**ACTIONS**

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| **WGCV-50-ACT-01** | WGCV members to provide feedback on the open-source toolkit idea to Stephen Ward <mail@stephenward.net> and to flag any relevant experience or tools they might be able to contribute. | **CLOSED** |
| **WGCV-50-ACT-02** | LPV Chair to work with Paolo to update the WGCV Cal/Val Portal with information on the Direct 2.1 database (LAI and FAPAR sites) and the SALVAL tool. | **COMPLETED**  *Completed 28 June* |
| **WGCV-50-ACT-03** | WGCV Chair and Vice-Chair to coordinate a formal statement and other announcements (including to CEOS Plenary) of WGCV’s recommendation that CEOS Agencies adopt the TSIS Solar Irradiance Spectrum, noting that incremental updates will be forthcoming. | **COMPLETED**  *Mentioned in cal/val portal (in the library and also the news section). Also reported to the SEC meeting. Team attending TSIS meeting in early October, Colorado. Can report a further update at Plenary. Will also add a specific page on the IVOS section of the cal/val portal. Reported to GSICS.* |
| **WGCV-50-ACT-04** | Philippe/Nigel to exchange information on the Cal/Val Maturity Matrix (MM) and prepare, together with WGCV, a coordinated approach to present to WGISS-54 in October 2022.  As part of the initial dialogue there will be an interaction with CCVS to check on their priority concerns in terms of gaps in the EDAP approach.  Context: Need for a MM enabling end-to-end evaluation of the Cal/Val process. | **COMPLETED**  *Cal/Val MM was presented and discussed at CEOS WGCV IVOS. Nigel and Philippe have prepared a presentation that will be presented at the WGCV-WGISS joint meeting in Tokyo by Paolo Castracane and Iolanda Maggio.*  *It is proposed to extract some Cal/Val MM information and include it in the overall WGISS Maturity Matrix.*  *The process is still evolving; it was noted that the Cal/Val Maturity matrix is more adapted to level 1 "imager" sensors (Optical and SAR). It may require some evolution for atmospheric sensors (or others) and Level 2 products.*  *There has been an interaction with CCVS and will discuss with Sam Hunt to move forward.* |
| **WGCV-50-ACT-05** | Jean-Christopher to connect with Paolo regarding the addition of a specific resource section on the CEOS Cal/Val Portal for surface-related validation activities for atmospheric missions, and to explore support for / synergies with NDACC resources. | **In progress**  *Some harmonisation of the info on atmospheric composition present on the two portals (CEOS Cal/Val and NDACC/Satellite) is ongoing. Agreed that surface-related validation resources will be mentioned on the PICS Sites webpage of the Cal/Val Portal.* |
| **WGCV-50-ACT-06** | Paolo and Philippe to discuss a coordinated scheduled/periodic approach to WGCV Cal/Val Portal updates. | **In progress**  *Every two months on the 1st of the month, Paolo will send a short email to WGCV with latest updates and news and will recall for contribution/feedback.*  *After the WGCV Plenary (about every 9 months) Paolo will send a newsletter via mail to the Cal/Val portal registered users + CEOS community (to be discussed). That would increase visibility ?*  *We will also check how Twitter can be exploited further and how it fits with the overall CEOS communication strategy.*  *Have connected with SEO comms team.* |
| **WGCV-50-ACT-07** | Peter and Marie-Claire to discuss the CEOS Terms and Definitions work with a view to ensuring broad participation across CEOS. | **COMPLETED**  *Joint WGCV-WGISS meeting in Tokyo will also have a dedicated item on this.* |
| **WGCV-50-ACT-08** | Philippe, Paolo and Xiaolong to discuss increased MSSG representation on the WGCV Cal/Val portal. | **In progress**  *Xiaolong had a telemeeting with Paolo on August 31. The materials to be published on the WGCV Cal/Val Portal are being prepared. Paolo is reviewing the materials.* |
| **WGCV-50-ACT-09** | WGCV Chair to follow up on the status of CV-14-03 (Workshop on state of the art for pre-flight calibration techniques) with Nigel and Albrecht. Also, to check whether the [paper done by NIST on pre-flight calibration techniques](https://www.nist.gov/publications/best-practice-guidelines-pre-launch-characterization-and-calibration-instruments) is looked at and potentially updated as part of this effort. | **In progress**  *CV-14-03 due date has been extended to Q4 2023* |
| **WGCV-50-ACT-10** | WGCV Chair to confirm a new due date for CV-17-01 with Nigel. | **COMPLETED**  ***Due date updated to 2023 Q2.***  *At the last IVOS meeting a few weeks ago, we agreed to create with some urgency, a template to record uncertainties and evidence of different methods used to assess and/or correct biases of level 1 for optical sensors, (the necessary pre-requisite for interoperability) which could then be made visible through the cal/val portal. The content supplied would need to be peer reviewed and we agreed that this would be done through the IVOS membership, at least in the first instance. This set of templates, summarised in a table will then provide the means for the user community to assess and select appropriate methods to meet their needs for interoperability based on the nature of their mission.*  *This we can do by Q2 2023 and will close this action.*  *We will look to see how we can optimally combine the results of different methods in a more holistic manner but this is much more complex and whilst desirable and may have been our original intent, we would see this as a follow-on action, needing a dedicated face to face workshop with the above information available for a variety of missions. With Covid this has not been possible and will probably not fully take place for a year at least delaying the conclusion of this action.* |
| **WGCV-50-ACT-11** | WGCV Chair to coordinate the closing of CEOS Work Plan Deliverable CV-20-04 and creation of a new task on SARCALNET. | **ASAP**  *CV-20-04 has been closed.*  *Kuze-san will follow up with the JPL/SARCALNET team. The CEOS WGCV SAR meeting in Montreal, Canada on October 18-21 will be an opportunity to discuss this.* |
| **WGCV-50-ACT-12** | WGCV Chair to confirm the status of CV-20-05 (Standards and metrics for scatterometers and wind retrievals) with Xiaolong. | **COMPLETED**  *Status confirmed (Aug. 2022) Extend due date to 2022 Q4.* |
| **WGCV-50-ACT-13** | WGCV members with connection to national representatives to ISO 19124-1 to pass on feedback on the deficiencies related to terminology and request that this be submitted through the formal review processes. | **CLOSED**  *The deadline for comments and votes on the ISO 19156 (Observation, Measurements and Sampling - OMS, which is the more relevant one for terminology) ballot has passed.*  *Peter received no questions and is not aware that anyone else raised concerns regarding the current ISO terminology.*  *Peter was in discussion with the 19156 folks, but as it looks they will not follow up on his comments (EC or CEOS are only observers)\*. Not exactly sure where 19124 stands now, but terminology surely won't deviate from 19156 and Geolexica (pertaining to all TC211 topics).*  *\*the main issue was that in ISO the concept of 'observation' includes processes such as simulation, forecasting, and modelling. This is somewhat hidden in their definitions, a note to make it explicit was rejected.* |