



Carbon Action Items Status

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CEOS WGCV

Agenda Item #

WGCV Plenary # 41

Tokyo

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Working Group on Calibration and Validation





Outline

- Genesis
- Rationale agreed during CEOS WGCV plenary # 39 & 40
- Status update
 - Two rationales – same results
 - Brief outline of results
 - Mapping from CEOS Carbon Action Items to WGCV Action Items
 - Example case
- Proposal for way forward
- Carbon action item paper
 - WGCV baseline
 - Report function
- Administration



Genesis

- CEOS Carbon Report as answer to the GEO Carbon report (2009-2014)
- Approval of CEOS Carbon Strategy during SIT in 2014 with
 - Introduction CSIST (CarbonStrategy Implementation Team)
 - Scope of CSIST: How to find a pragmatic break-down of the action items in the environment of CEOS, e.g. responsibility for each AI, overall responsibility, schedule, possible linkages between AIs)
- Approved outcome: WGCV has the lead for around 14 Action Items
- Overarching lead is with CEOS SIT team (M. Dowell, JRC, and S. Plummer, ESA)
- Note:
The Action item assigning the Carbon Action item coordination to a subgroup of WGClimate is obsolete
(Annotation in original document must be ignored or substituted by CEOS-SIT)



Rationale agreed during WGCV plenaries # 39 & 40

- CEOS WGCV # 39
 - Subgroups analyses the Excel sheet provided of CSIST provided by Chair team
 - Results are syntesized to a general WGCV approach
- Because many Carbon Action Items are dedicated to different activities in overlap to each other, a general approach is needed for the anaylsis: Chair team
- Many issues mentioned could be seen as general WGCV „business“ so that a more „fundamental“ treatment, e.g. related to Carbon Action items but also to others (e.g. terminology, protocols, methodology, metrics, etc.)
- CEOS WGCV # 40
 - **Agreed approach:** Dissamble the Carbon Action items into a „patchwork“ of WGCV tasks and sub-tasks which are also supportive for the WGCV agenda. (Kurt & some parts of Albrecht)



Status Update (I)

- Input of subgroups used for the patchwork analysis
- Two rationales
 - Pick-up from the action item what you think, it's really related to WGCV and formulate small pieces of WGCV action items; afterwards map with other action items
 - Write down for each action assumptions what to do to resolve, deviate the commonalities and consolidate to a minimum set of WGCV action items; afterwards map backward to CarbonAction Items
 - Quicklook demonstrates similar results (somewhat consistency check)
- Status is oriented on first rationale
 - WGCV baseline document draft



Status Update (II)

WGCV-CA-01	CA-27
WGCV-CA-02	CA-27, CA-32, CA-34, CA-35
WGCV-CA-03	CA-38
WGCV-CA-04	CA-38
WGCV-CA-05	CA-31
WGCV-CA-06	
WGCV-CA-07	CA-27
WGCV-CA-08	CA-22
WGCV-CA-09	CA-14, CA-22
WGCV-CA-10	CA-14
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The experienced WGCV members recognizes immediately the inter-dependency from that table..... **Working Group on Calibration and Validation** 6



Status Update (III)

- Sorry, not all WGCV-CA-<nm> are currently identified
- As consistency check we will reversely map into tasks
- However, an example case shall demonstrate what's behind:

WGCV-CA-02

Work with CEOS SEO to develop an online platform to make available WGCV results of inter-comparison of carbon products while ensuring a common set of reference data, methods and output reporting, and allowing data product subsets to be automatically pushed from data catalogues to inventory results of validation/database input against requirements and suggested maturity of products.

Maps to CA-27, CA-32, CA-34, CA-35

However, we are not perfect and this is not the ultimate end



Proposal for way forward

- All WGCV-CA-<nm> shall be collected in one baseline document for WGCV
- Draft will be distributed to WGCV for comments and update proposals
- Consolidation of a baseline
- Very first draft will be compiled for SIT Workshop to demonstrate the WGCV capability to set up such tasks (and work on it)
- This will be introduced to VC/WG day and SIT workshop (Report function)



Administration

- SIT Action item calls for PoC for carbon action item at each CEOS body
- Until now, the CEOS WGCV Chair and Vice chair act as the PoCs
- However, the out-phasing Chair model offered the opportunity to the Vice-Chair to act after the CEOS plenary as PoC for the Carbon Action Items vs. SIT
- Vice-Chair agreed.....





Outline of Carbon Action Item paper

- Motivation
- Background
- WGCV Approach
- Assumptions
- Analysis
 - Break down into WGCV-CA- $\langle mn \rangle$ action items
 - Mapping to Carbon Action Items
 - Consistency check
 - Provision of matrix views
- Timeline
- Transition process into CEOS WGCV work plan
- Conclusion