

## **WGCV-49 Objectives & Agenda**

**June 29 – July 2, 2021**

**ONLINE MEETING – Connection Details on Last Page**

Specific objectives of WGCV-49 include:

1. Discuss WGCV support to the CEOS strategy for the Global Stocktake of the UNFCCC Paris Agreement.
  - a. GEO-TREES and the biomass harmonisation product.
  - b. Greenhouse gas reference standards for interoperability.
  - c. Intercomparison between greenhouse gas sensors (radiance spectra, column density, flux estimation), vicarious calibration, and the portal site.
2. Consider and potentially endorse a revised process for the assessment / peer review of CARD4L datasets.
3. Discuss the latest on CEOS ARD beyond land and WGCV's role in such an expanded framework.
4. Present an update on the joint task with WGISS on an inventory of space data product formats used by CEOS Agencies (FDA-18-05).
5. ISO standard on EO products
6. Presentation and discussion regarding terminology and initiating work on a common online dictionary.
7. Hear activity reports from WGCV subgroups:
  - a. Identify relevant activities to be proposed for the next CEOS Work Plan
  - b. Hear updates on the various intercomparison exercises (DEMIX, SRIX 4Veg, BRIX-2)
8. CMIX-2 will be presented for consideration, and the scope will be discussed (e.g., whether it is open to moderate resolution instruments).
9. WGCV and GSICS coordination will be discussed, in particular a potential collaboration on Rayleigh intercomparisons and a joint discussion on solar irradiance.
  - a. GSICS annual meeting (March 2021) report.
  - b. Recommendation of the TSIS HSRS solar spectra, which the GSICS community has endorsed.
10. Review the Copernicus Calibration Validation Solution (CCVS) and WGCV contributions.
11. Review progress on other WGCV activities in the CEOS Work Plan:
  - a. Workshop on state of the art for pre-flight calibration techniques;
  - b. Report on application of approaches for cloud masking;
  - c. SAR calibration inventory and joint use assessment;
  - d. Standards and metrics for scatterometers and wind retrievals;
  - e. Radiometric Calibration Network (RadCalNet).

## Week at a Glance

The meeting will be held over four days, from June 29 – July 2, 2021. Over the course of the four days, each session will last two hours. The starting time each day will be [08:00 US Eastern \(12:00 UTC\)](#).

June 29	June 30	July 1	July 2
Chairs' Report Subgroup Reports (LPV, IVOS, TMSG) SRIX 4Veg, BRIX-2, DEMIX Terminology and common online dictionary	Subgroup Reports (SAR, MSSG, ACSG) ACIX / CMIX	CARD4L WGCV and GSICS Coordination Copernicus Calibration Validation Solution (CCVS)	Global Stocktake of the UNFCCC Paris Agreement Inventory of space data product formats ISO standards

## Agenda

### Tuesday June 29

Time (UTC)	Item	Presenter(s)
12:00 – 12:10	1.1: Welcome and Chairs' Report	A. Kuze, P. Goryl
12:10 – 12:40	1.2: Land Product Validation (LPV) Subgroup Report <ul style="list-style-type: none"> <li>SRIX 4Veg</li> <li>BRIX-2 (P. Goryl)</li> </ul>	F. Camacho, P. Goryl
12:40 – 13:10	1.3: Infrared and Visible Optical Sensors (IVOS) Subgroup Report <ul style="list-style-type: none"> <li>Workshop on state of the art for pre-flight calibration techniques (CV-14-03)</li> </ul>	N. Fox
13:10 – 13:40	1.4: Terrain Mapping (TMSG) Subgroup Report <ul style="list-style-type: none"> <li>DEMIX</li> </ul>	P. Strobl
13:40 – 14:00	1.5: Terminology and common online dictionary <ul style="list-style-type: none"> <li>OGC Naming Authority</li> </ul>	P. Strobl
14:00 – 14:10	1.6: Day 1 Close	A. Kuze, P. Goryl

### Wednesday June 30

Time (UTC)	Item	Presenter(s)
12:00 – 12:10	2.1: Welcome	A. Kuze, P. Goryl, M. Steventon

	<ul style="list-style-type: none"> <li>Day 1 action review</li> </ul>	
12:10 – 12:40	<b>2.2: Microwave Sensors (MSSG) Subgroup Report</b> <ul style="list-style-type: none"> <li>Standards and metrics for scatterometers and wind retrievals (CV-20-05)</li> </ul>	X. Dong
12:40 – 13:10	<b>2.3: Atmospheric Composition (ACSG) Subgroup Report</b>	J-C. Lambert
13:10 – 13:25	<b>2.4: ACIX / CMIX Discussion</b> <ul style="list-style-type: none"> <li>ACIX-2, CMIX current status</li> <li>ACIX-3</li> <li>CMIX-2 proposition plan</li> <li><u>Decision:</u> CMIX-2 way forward and target scope (e.g., whether it is open to moderate resolution instruments).</li> <li>Report on application of approaches for cloud masking (CV-16-02)</li> <li>VH-RODA</li> </ul>	P. Goryl
13:25 – 13:55	<b>2.5: Synthetic Aperture Radar (SAR) Subgroup Report</b> <ul style="list-style-type: none"> <li>SAR Calibration inventory and joint use assessment (CV-20-04)</li> </ul>	B. Chapman
13:55 – 14:00	<b>2.6: Day 2 Close</b>	A. Kuze, P. Goryl

### Thursday July 1

Time (UTC)	Item	Presenter(s)
12:00 – 12:10	<b>3.1: Welcome</b> <ul style="list-style-type: none"> <li>Day 2 action review</li> </ul>	A. Kuze, P. Goryl, M. Steventon
12:10 – 13:00	<b>3.2: CEOS Analysis-Ready Data for Land (CARD4L)</b> <ul style="list-style-type: none"> <li><u>Decision:</u> Revised process for the assessment / peer review of CARD4L datasets</li> </ul>	M. Thankappan
13:00 – 13:30	<b>3.3: WGCV and GSICS Coordination</b> <ul style="list-style-type: none"> <li>GSICS annual meeting (March 2021) report</li> <li><u>Decision:</u> Potential collaboration on Rayleigh intercomparisons and a joint discussion on solar irradiance</li> <li><u>Discussion:</u> Recommendation of the TSIS HSRS solar spectra, which the GSICS community has endorsed</li> </ul>	P. Goryl, O. Coddington
13:30 – 13:55	<b>3.4: Copernicus Calibration Validation Solution (CCVS)</b> <ul style="list-style-type: none"> <li><u>Discussion:</u> WGCV contributions (e.g., orthorectification aspects)</li> </ul>	J-C. Lambert

<b>13:55 – 14:00</b>	<b>3.6: Day 3 Close</b>	A. Kuze, P. Goryl
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## Friday July 2

<b>Time (UTC)</b>	<b>Item</b>	<b>Presenter(s)</b>
<b>12:00 – 12:10</b>	<b>4.1: Welcome</b> <ul style="list-style-type: none"> <li>Day 3 action review</li> </ul>	A. Kuze, P. Goryl, M. Steventon
<b>12:10 – 12:50</b>	<b>4.2: WGCV support to the CEOS strategy for the Global Stocktake of the UNFCCC Paris Agreement</b> <ul style="list-style-type: none"> <li>CEOS work on the GST and recent updates toward COP26.</li> <li>Greenhouse gas reference standards for interoperability.</li> <li>Intercomparison between greenhouse gas sensors (radiance spectra, column density, flux estimation), vicarious calibration, and the portal site.</li> </ul>	D. Crisp, A. Kuze
<b>12:50 – 13:10</b>	<b>4.3: Inventory of space data product formats used by CEOS Agencies (FDA-18-05)</b>	K. Thome, A. Kuze
<b>13:10 – 13:30</b>	<b>4.4: ISO standard on EO products (draft ISO 19124-1)</b>	J-C. Lambert / F. Camacho
<b>13:30 – 13:45</b>	<b>4.5: Day 4 Close</b> <ul style="list-style-type: none"> <li>Action review</li> </ul>	A. Kuze, P. Goryl, M. Steventon