

54th CEOS Working Group on Calibration & Validation Plenary Meeting (WGCV-54)

October 15-18, 2024

Sioux Falls, South Dakota, USA

Hosted by the United States Geological Survey (USGS)

WGCV-54 Week at a Glance

The meeting will be held over 4 days, from October 15-18, 2024.

	Tuesday, Oct 15 <i>Joint with WGISS</i>	Wednesday, Oct 16	Thursday, Oct 17	Friday, Oct 18 <i>Joint with WGISS</i>
am	<ul style="list-style-type: none"> ○ Opening Session ○ Agency Reports 	<ul style="list-style-type: none"> ○ Welcome ○ Action Review ○ WGCV Vice Chair Confirmation ○ Pre-flight Workshop ○ SRIX4Veg ○ GHG Cal/Val and Networks 	<ul style="list-style-type: none"> ○ Subgroup Reports ○ FRM Assessment Framework ○ GSICS Collaboration ○ Subgroup Reports 	<ul style="list-style-type: none"> ○ Interoperability ○ CEOS Analytics Lab, GCP Match Up Database and Radiometry Database ○ SI Traceable Satellites (SITSats), WGCV Cal/Val Portal
pm	<ul style="list-style-type: none"> ○ Maturity Matrices ○ CEOS-ARD 	<ul style="list-style-type: none"> ○ EROS Tour ○ Subgroup Reports ○ Surface Reflectance Quality, Equivalency and Consistency 	<ul style="list-style-type: none"> ○ Camera Networks ○ WGCV support to other initiatives ○ Plans for WGCV-55 meeting ○ Subgroup Reports 	<ul style="list-style-type: none"> ○ Expressing Uncertainty Information, WGISS Connected Data Assets ○ Closing session, SITSat side meeting (TBC)
	Welcome Reception 6 - 9pm Remedy Brewing Company		WGCV Dinner <i>Details TBD</i>	

Agenda

Day 2

Wednesday, October 16, 2024

Location: USGS EROS Front/Back room

Item	Topic	Presenter <i>*remote</i>	Time (CDT)
2.1	Welcome and Overview of Agenda	Philippe Goryl (ESA, WGCV Chair)	09:00
2.2	Action Review <ul style="list-style-type: none"> ➤ WGCV-53 review of open actions ➤ WGCV/WGISS Day 1 actions review 	Harvey Jones/Matt Steventon*	09:15
2.3	WGCV Vice Chair Confirmation [Presentation: 15 min, Discussion: 15 min] <ul style="list-style-type: none"> ➤ Medhavy Thankappan (GA) presentation ➤ Vice Chair Nomination Confirmation 	Medhavy Thankappan, Philippe Goryl	09:45
2.4	Preflight Calibration Workshop Update [15 min]	Nigel Fox / Jack Xiong*	10:15
Coffee Break			10:30
2.5	SRIX4Veg [Presentation: 15 min, Discussion: 15 min] <ul style="list-style-type: none"> ➤ TBA ➤ Endorsement of Good Practice Protocol document ➤ SRIX4Veg-II 	Valentina Boccia (TBC), Cindy Ong (TBC)	10:45
2.6	GHG Cal/Val and Network Updates	Akihiko Kuze,	11:15

[Presentation: 15 min, Discussion: 30 min]

- WGCV inputs to GHG Roadmap
- Discussion

Jean-Christopher Lambert

Tour of EROS Facilities

12:00

Lunch Break

13:00

2.7 Atmospheric Composition Subgroup (ACSG) Report

[Presentation: 30 min, Discussion: 30 min]

- [CEOS Work Plan](#) action CV-22-01 - Present the cloud-aerosol validation best practices document for WGCV review and endorsement before being presented at the 2024 CEOS Plenary for information.
- VC-20-01 - Tropospheric ozone datasets validation and harmonisation, TOAR-II assessment
- VC-20-02 - Air Quality constellation validation coordination
- VC-20-03 - Air Quality constellation validation plans
- VC-20-04 - Launch of ESA/EUMETSAT Joint AO Call for the Validation of Sentinel-4 and Sentinel-5
- CV-24-01 - CINDI-3 campaign report, status of post-campaign activities
- GHG Cal/Val - Status of GHG Cal/Val networks, evolution of CEOS-CGMS Roadmap for the implementation of the CO₂ and CH₄ constellation
- Ozone validation - Recent achievements, issues and remaining challenges
- CEOS-FRM Maturity Assessment Framework - Atmospheric composition pilots and evolution
- Discussion

Jean-Christopher Lambert

14:00

2.8 Surface Reflectance Quality, Equivalency and Consistency

- Discuss WGCV's potential role in contributing to the definition of tolerances for the parameters input to the surface reflectance equivalency workflows and the requirement for SI traceability in sensor calibration.

Simon Oliver*

15:00

Coffee Break			15:45
2.9	Land Product Validation (LPV) Subgroup Report [Presentation: 30 min, Discussion: 30 min] ➤ TBA ➤ Discussion	Michael Cosh	16:00
Adjourn			17:00

Agenda

Day 3

Thursday, October 17, 2024

Location: USGS EROS Front/Back room

Item	Topic	Presenter <i>*remote</i>	Time (CDT)
3.1	Welcome and Review of Day 2 Actions [30 min]	Philippe Goryl (ESA, WGCV Chair) / Harvey Jones	09:00
3.2	Microwave Sensors Subgroup (MSSG) Report [Presentation: 30 min, Discussion: 30 min] ➤ TBA ➤ Discussion	Xiaolong Dong *	11:30
3.3	Fiducial Reference Measurement (FRM) Assessment Framework [Presentation: 15 min, Discussion: 15 min] ➤ Atmospheric discussion follow up	Nigel Fox / Paolo Castracane	10:30

- Updated framework and tools
- New exercises
- Discussion

Coffee Break			11:15
3.4	Infrared and Visible Optical Sensors (IVOS) Subgroup Report [Presentation: 30 min, Discussion: 30 min] <ul style="list-style-type: none"> ➤ TIRCalNet Update ➤ RadCalNet update <ul style="list-style-type: none"> ○ Pinnacles Test Site (Cindy Ong) ➤ Discussion 	Nigel Fox	09:30
3.5	GSICS Collaboration update [30 min]	Paolo Castracane / GSICS team (TBC)	12:30
Lunch Break			13:00
3.6	Synthetic Aperture Radar (SAR) Subgroup Report <ul style="list-style-type: none"> ➤ Completion of SARCalNet website design and testing the ingestion of data before the end of the calendar year ➤ Internal review of the SARCalNet documents by CEOS SAR Cal & Val members 	Stéphane Côté *, Bruce Chapman *	14:00
3.7	Terrain Mapping Subgroup (TMSG) Report [Presentation: 30 min, Discussion: 30 min] <ul style="list-style-type: none"> ➤ TBA 	Peter Strobl	15:00
Coffee Break			16:00
3.8	ACIX-III, CMIX-II and Cloud Camera Network <ul style="list-style-type: none"> ➤ CIMEL Fisheye Camera ➤ Discussion 	Philippe Goryl, Eric Vermote	16:15
3.9	WGCV support to other initiatives	Philippe Goryl	16:20

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- 2024 CEOS Chair priority on Biodiversity
 - Collaboration with BIPM-WMO
 - WGClimate Cal/Val related GCOS IP actions
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3.10 Review of Day 3 Actions [15 min]

Philippe Goryl (ESA,
WGCV Chair) / Matt
Steventon*

16:45

Adjourn

17:00