**WGCV-51 Objectives & Agenda**

**October 3-6, 2022**

**Tokyo, Japan**

International House of Japan, Roppongi, Minato-ku**,** Starting time: 9:00 A.M Tokyo

**Hybrid Meeting – Connection Details on Last Page**

**Meeting Objectives**

1. Confirm the WGCV Vice Chair selection for 2023-2024 (and subsequently Chair for 2025-2026), so the decision can be presented to the 2022 CEOS Plenary for final endorsement.
2. Hear the latest on the CNES CEOS Chair priority for 2022 regarding land surface temperature validation and discuss WGCV contributions related to Cal/Val for TIR sensors, including cross-calibration of thermal infrared measurements to support future CEOS Agency missions.
3. Review the latest developments on the TSIS Solar Irradiance Spectrum (particularly the version 2.0 release), which was formally recommended to CEOS following WGCV-50.
4. Review the latest updates from the WGCV subgroups, including on their CEOS Work Plan deliverables:
	1. Land Product Validation (LPV)
		1. Forest Biomass Reference Network (GEO-TREES) (CARB-21-03)
		2. Production of harmonised biomass products from CEOS Agency missions (​​CARB-22-01)
		3. Cal/Val and production of biomass products from CEOS Agency missions (CARB-17-05)
		4. Forest Biomass measurements for GFOI countries (CARB-19-04)
	2. Infrared Visible Optical Sensors (IVOS)
		1. Workshop on state of the art for pre-flight calibration techniques (CV-14-03)
		2. L1 top-of-atmosphere interoperability (CV-17-01)
	3. Microwave Sensors Subgroup (MSSG)
		1. Standards and metrics for scatterometers and wind retrievals (CV-20-05)
		2. OSVW Standards and Metrics (VC-14-15)
	4. Atmospheric Composition Subgroup (ACSG)
		1. Atmospheric Composition Subgroup (ACSG) Chair nomination
		2. Validation protocols for atmospheric aerosol and cloud profiles (CV-22-01)
		3. Tropospheric ozone datasets validation and harmonization (VC-20-01)
		4. Air quality constellation validation coordination (VC-20-02)
		5. Air quality constellation validation coordination: validation plans (VC-20-03)
		6. Air quality constellation validation coordination: announcements of opportunity (VC-20-04)
	5. Synthetic Aperture Radar (SAR)
		1. Update on SARCalNet
	6. Terrain Mapping Subgroup (TMSG)
5. Present updates and discuss the various intercomparison exercises (ACIX-III, CMIX-II, SRIX4Veg, BRIX-2, DEMIX)
6. Review progress on other WGCV activities in the CEOS Work Plan:
	1. Radiometric Calibration Network (RadCalNet)
	2. CEOS Terms and Definitions Wiki (CV-22-02)
7. Discuss the latest updates on GSICS and WMO collaboration with CEOS.
8. Provide an update on progress with CEOS-ARD, including the work of the CEOS-ARD Oversight Group and product assessments.
9. Hear an update on the Australian effort to establish an EO data quality facility (EO-AIM, EO Assurance and Integrity Monitoring).
10. Discuss the latest on SI-traceable satellites (SITSATs): CLARREO, LIBRA, TRUTHS, SCR.
11. Discuss the possibilities regarding WGCV support to a potential CEOS-IMEO (International Methane Emissions Observatory) collaboration.
	1. Discussion on IMEO’s Cal/Val activities for methane and exploration of a possible cooperation.
12. Present an overview of the latest WGCV Greenhouse Gas work.
13. Determine the role of WGCV to provide guidance similar to CEOS-ARD for conducting self assessment of Fiducial Reference Measurements.
14. Review progress on the CEOS Common Online Dictionary and discuss next steps, taking advantage of the opportunity of the joint meeting with WGISS to ensure cross-CEOS coordination.
15. Hold a joint discussion with WGISS on the DMSMM Maturity Matrix validation.
16. Start a discussion on Cal/Val for hyperspectral.
17. Confirm the plan for the WGCV-52 meeting.

## Week at a Glance

The main meeting will be held over three days, from October 4-6, 2022. The starting time will be 12:00 midnight UTC ([20:00 Washington DC, 01:00 London, 02:00 Rome, 08:00 Perth, 09:00 Tokyo](https://www.timeanddate.com/worldclock/fixedtime.html?iso=20221004T09&p1=248)). WGCV will use Seminar room D on the 1st floor of the International House of Japan.

There will be a pre-meeting for WGCV Executives in Seminar room D, 1st floor, The International House of Japan, on October 3. The meeting room will open at 13:00, and the meeting will commence at 14:00.

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| **October 3** | **October 4** | **October 5** | **October 6** |
| WGCV Exec Pre-meetingFinal review of the agendaConfirmation of logistics | Chairs’ ReportAction ReviewWGCV Vice Chair SelectionSubgroup Reports (LPV, IVOS)SRIX 4Veg, BRIX -2Subgroup Reports (MSSG, ACSG)ACIX / CMIXRadCalNetSubgroup Reports (SAR, TMSG)SARCalNetDEMIX | EO-AIMCEOS ARD UpdateFiducial Reference MeasurementJoint meeting with WGISSTerminology and common online dictionaryDMSMM Maturity Matrix | GSICS WMOWGCV activities in the CEOS Work PlanCEOS-IMEO CollaborationTRUTHS, CLARREO, SCR Chinese SITSAT updatesAgency UpdatesGreenhouse Gas Cal/Val UpdateCEO ReportWGCV-52 |

**Monday, October 3, 2022**

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| **Item** |
| **1.1:** WGCV Executives Pre meeting  |
| **1.2:** Confirmation of final agenda  |
| **1.3:** Logistics confirmation and connectivity review |

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## Agenda

### Tuesday October 4, 2022

Meeting room (Seminar room D on the 1st floor of the International House of Japan) opens at 08:45.

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| **Time (JST)** | **Item** | **Presenter(s)** |
| **09:00 – 09:25** | **1.1:** Welcome and Chairs’ Report [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/1.1_Kuze_Welcome.pptx)]* Welcome from the director of the JAXA Earth Observation Research Center
* Tour de table introductions
* SIT TW 2022 Cal/Val Highlights [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/1.1a_SIT-TW_Cal-Val_Points.pptx)]
 | A. Kuze, P. GorylR. OkiP. GorylM. Steventon |
| **09:25 – 09:50** | **1.2:** Action Review* [WGCV-50](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/WGCV_50%20Decisions%20and%20Actions%20_4%20October%202022%20Update.docx)
 | A. Kuze, M. Steventon |
| **09:50 – 09:55** | **1.3:** WGCV Vice Chair 2023-2024 [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/1.3_kuze_VC22023-2024.pptx)]* Voting results
 | A. Kuze |
| **09:55 – 10:15** | **1.4:** WGCV Vice Chair 2023-2024 Presentation [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/1.4_Anderson_WGCV-51_WGCV%20Vice%20Chair%202023-2024%20Presentation_v1.pptx)] | C. Anderson |
| **10:15 – 10:25** | **1.5:** TSIS Solar Irradiance Spectrum version 2.0 update [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/1.5_kuze_codington-TSIS%20%282%29.pptx)] | A. Kuze |
|  **10:25 – 10:45** | **Coffee Break** |
| **10:45 – 11:15** | **1.6:** Land Product Validation (LPV) Subgroup Report [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/1.6_Cosh_WGCV51-LPV_v2.pptx)] [Presentation: 15 min, Discussion: 15 min]* SRIX4Veg
* BRIX-2
* Discussion
 | M.Cosh, F. Niro(Virtual) |
| **11:15 – 11:45**  | **1.7:** Synthetic Aperture Radar (SAR) Subgroup Report [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/1.7_Chapman_SAR%20Subgroup%20Report.pptx)][Presentation: 15 min, Discussion: 15 min]* SARCalNet
 | B. Chapman(Virtual) |
| **11:45 – 12:15** | **1.8:** Microwave Sensors Subgroup (MSSG) Report [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/1.8_DONG_WGCV-51_MSSG_report_v1.1.pptx)][Presentation: 15 min, Discussion: 15 min]* Discussion
 | X. Dong (Virtual) |
| **12:15 – 14:00**  | **Lunch Break** |
| **14:00 – 14:20** | **1.9:** CEO Report [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/1.9_Greening_CEOReport_v1.pptx)]  | M-C. Greening (Virtual) |
| **14:20 – 15:00** | **1.10:** ACIX / CMIX Discussion [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/1.10_Vermote_WGCV-51_ACIX-CMIX_v1.pptx)] | E. Vermote, P. Goryl |
| **15:00 – 15:20** | **1.11:** CEOS Earth Analytics Interoperability Lab (EAIL) [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/1.11_CEOS_EAIL_v1.pptx)]* Overview [[Additional reference](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/EAIL%20_%20EASI%20overview.pdf)]
* Discussion on potential projects, objectives and datasets needed
 | M. Steventon for B. Killough (SEO) (Virtual) |
| **15:20 – 15:30** | **1.12:** RadCalNet [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/1.12_Fox_RadCalNet%20V1.pptx)] | N. Fox |
| **15:30 – 15:50** | **Coffee Break** |
| **15:50 – 16:30**  | **1.13:** Atmospheric Composition Subgroup (ACSG) Report [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/1.13_Lambert_WGCV-51_ACSG_v1.pdf)] [Presentation: 15 min, Discussion: 15 min]* Discussions
 | J-C. Lambert |
| **16:30 – 17:00**  | **1.14:** Infrared and Visible Optical Sensors (IVOS) Subgroup Report [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/1.14_Fox_IVOS%20V1.pptx)] [Presentation: 15 min, Discussion: 15 min]* Discussion
 | N. Fox |
| **17:00 – 17:30** | **1.15:** Terrain Mapping Subgroup (TMSG) Report [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/1.15_Strobl_WGCV-51_DEMIX_v2.pdf)][Presentation: 15 min, Discussion: 15 min]* DEMIX
 | P. Strobl |
| **17:30 – 17:45** | **1.16:** WGClimate Presentation [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/1.16_WGClimate_PresentationForWG-DisasterAndCalVal.pdf)]* GHG and GST
 | A. Bargen(Virtual) |
| **17:45**  | **Day 1 Close** | A. Kuze, P. Goryl  |

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**Wednesday October 5, 2022**

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| **Time (JST)** | **Item** | **Presenter(s)** |
| **09:00 – 09:15** | **2.1:** Welcome * Day 1 action review
 | A. Kuze, P. Goryl, M. Steventon |
| **09:15 – 09:30** | **2.2:** Update on the Australian effort to establish an EO data quality facility [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/2.2_WGCV-51_EO-AIM.pptx)]* EO-AIM: EO Assurance and Integrity Monitoring
 | S. Ward (Virtual), M. Thankappan |
| **09:30 – 10:00** | **2.3:** CEOS-ARD Update [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/2.3_Thankappan_WGCV%2051%20CARD4L%20Assessments%20Update.pptx)]* CEOS-ARD Oversight Group and product assessments update
* Identify additional POCs for coordinating CARD4L assessments and discuss tenure of reviewers and panels
 | M. Thankappan |
| **10:00 – 10:20** | **Coffee Break** |
|  **10:20 – 10:50** | **2.4**: Role of WGCV to provide guidance similar to CEOS-ARD for conducting self-assessment of Fiducial Reference Measurements [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/2.4_GORYL_FRM_v1%29.pptx)]* Discussion
 | P. Goryl |
| **10:50 – 11:20**  | **2.5:** Cal/Val for Hyperspectral Sensors [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/2.5_Goryl_WGCV-51_HYPERSPECTRAL_V1.pptx)]* Discussion
 | P. Goryl |
| **11:20 – 11:30** | **Buffer time** |
| **11:30 – 13:00** | **Lunch Break** |

**WGCV-WGISS Joint Meeting**

The Joint meeting will be held at the Lecture Hall in the International House of Japan.

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| **13:00 – 13:15** | **Group Photo at the garden in the International House of Japan** |
| **13:20 – 13:30** | Opening Remarks | A. Kuze |
| **13:30 – 13:40**  | WGCV Overview [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/WGISS-WGCVjoint-Kuze.pptx)] | A. Kuze |
| **13:40 – 13:50**  | WGISS Overview [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/2022.10.05_13.40_WGISS_Overview.pptx)] | M. Natsuisaka |
| **13:50 – 14:20** | ESA EO Portal, CEOS CAL/VAL Portal, CEOS MIM Database: Status, Synergies and Improvements [[PPT 1](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/2022.10.05_13.50_WGCV-WGISS_Joint_Castracane_CVP.pptx)] [[PPT 2](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/2022_WGCV_WGISS_eoPortal_CEOS%20MIM%20Database.pptx)] | P. Castracane, M. Steventon |
| **14:20 – 14:50**  | Status of ARD Activities [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/CEOS-ARD_WGCV-WGISS%20Tokyo%205%20October%202022.pptx)] | M. Steventon for F. Gascon |
| **14:50 – 15:10** | **Coffee Break** |
| **15:10 – 15:50** | Data Quality Assessment and Indicators, and DMSMM Maturity Matrix * Data Quality Indicators [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/2022_CEOS_WGCV-51_QI.pptx)]
* Data Management and Stewardship Maturity Matrix: introduction, background and definitions [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/2022.10.05_15.10_Data%20Management%20and%20Stewardship%20Maturity%20Matrix-%20introduction%20background%20and%20definitions.pptx)]
* AVHRR DMSMM Use Cases and Discussion [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/2022.10.05_15.20_WGCV-WGISS_Joint_DMSMM_UseCase1.pptx)]
 | I. Maggio, P. Goryl, P. Castracane |
| **15:50 – 16:20** | CEOS Interoperability Framework Initiative [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/2022.10.05_15.50_WGISS-WGCV_Interoperability.pptx)] | P. Strobl |
| **16:20 – 17:00** | CEOS Common Online Dictionary: Progress with Joint Activity between WGISS and WGCV [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/2022.10.05_16.20_WGISS-WGCV_Glossary.pptx)] | K. Molch, P. Strobl |
| **17:00 – 17:20**  | Summary on Joint Interaction; Additional Opportunities; Joint Recommendations to CEOS and GEO; Action Items | A. Kuze, M. Natsuisaka |
| **17:20 – 17:30** | Greetings from the Senior Chief Officer of Earth Observation Missions, JAXA CEOS Principal | T. Hirabayashi |
| **17:30** | **Group Photo with remote participants on WebEX** |
| **17:35** | **Adjourn** |
| **18:15** | **JAXA hosted Ice Breaker**  |

**Thursday October 6, 2022**

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| **Time (JST)** | **Item** | **Presenter(s)** |
| **09:00 – 09:10** | **3.1:** Welcome* Day 2 action review
* WGCV - WGISS joint meeting action review
 | A. Kuze, P. Goryl |
| **09:10 – 09:20** | **3.2:** Update on GSICS and WMO Collaboration with CEOS [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.2_GSICS_WMO_updates%20PG.pptx)] | P. Castracane, P. Goryl |
| **09:20 – 09:30** | **3.3:** Review Progress on Other WGCV CEOS Work Plan Activities [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.3_kuzeWorkPlan.pptx)] | A. Kuze, P. Goryl |
| **09:30 – 09:50** | **3.4:** SCRUpdate [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.4_Thankappan_WGCV%2051%20SCR%20Update.pptx)] | M. Thankappan |
| **09:50 – 10:10** | **3.5:** Chinese SITSAT Update [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.5_Zhang_WGCV-51_Chinses%20SITSAT_v1.pdf)]* Chinese Space-based Radiometric Benchmark Project
 | P. Zhang (Virtual) |
| **10:10 – 10:30** | **3.6:** TRUTHS Update [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.6%20Fox%20TRUTHS%20v1.pptx)] | N. Fox |
|  **10:30 – 10:50** | **Coffee Break** |
| **10:50 – 11:20**  | **3.7:** CNES CEOS Chair 2022 Cal/Val Priorities [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.7_CNES%20CEOS%20Chair%20priority_Patrice%20Henry.pptx)]* Land surface temperature validation
* WGCV contribution related to Cal/Val for TIR sensors
* Cross calibration of thermal infrared measurements
* Discussion
 | P. Henry |
| **11:20 – 11:35** | **3.8:** CEOS Cal/Val Portal – Specific Tasks and Inputs / Discussion [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.8_Castracane_CVP_V1.pptx)]  | P. Castracane  |
| **11:35 – 11:55** | **3.9:** Space agency reports (as requested) on new Cal/Val activities, etc. [10 mins for each report]i. CSA (M. Dejmek) (Virtual) [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.9_i_CSA_Dejmek_WGCV-51_Final.pdf)] [11:35 - 11:45]* + SCISAT and OSIRIS on Odin Cal/Val activities, PEARL, Eureka site instrument activities

ii. NOAA (C. Cao, J. Choi) (Virtual) [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.9_ii_Choi_WGCV-51_NOAA_agency_report_v3.pptx)] [11:45 - 11:55] |  |
| **11:55 – 12:15** | **3.9:**  Space agency reports (as requested) on new, Cal/Val activities, etc. [10 mins for each report]iii. EU (J-C. Lambert) [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.9_iii_Lambert_WGCV-51_EU-H2020-CCVS.pdf)] [11:55 - 12:05]* + CCVS Project

iv. GISTDA (S. Moukomla) [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.9_iv_Moukomla%20and%20Puangjaktha_WGCV-51_GISTDA%20report%20on%20calval%20activities_v1.pptx)] [12:05 - 12:15] |  |
| **12:15 – 14:00** | **Lunch Break** |
| **14:00 – 14:30**  | **3:9**: Space agency reports (as requested) on new, Cal/Val activities, etc. [10 mins for each report] [Continued]v. CSIRO (C. Ong) [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.9_v_Ong_CSIRO_update.pdf)] [14:00 - 14:10]* + Progress at Pinnacles & work with the new imaging spectroscopy satellites, new developments with a coarse spatial resolution site;

vi. USGS (C. Anderson) [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.9_vi_Anderson_WGCV-51_Space%20Agency%20Reports%20-%20USGS_v2.pptx)] [14:10 - 14:20]* + Calibration of the recently launched Landsat 9 and JACIE

vii. NASA (X. Xiong) [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.9_vii_NASA_VIIRS_Xiong.pptx)] [14:20 - 14:30]* + VIIRS Instrument Calibration Status

**Buffer time** |  |
| **15:30 – 15:50** | **Coffee Break** |
| **15:50 – 16:20** | **3.9:** Space agency reports (as requested) on new, Cal/Val activities, etc. [10 mins for each report] [Continued]viii. BELSPO (J-C. Lambert) [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.9_viii_Lambert_WGCV-51_BelgianCalVal_v1.pdf)] [15:50 - 16:00]* + Cal/Val activities of Belgian groups

ix. JAXA (A. Kuze, Tanada) [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.9_ix_kuze_tanada_JAXA.pptx)] [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.9_ix_Tanada__JAXA_Report.pptx)] [16:00 - 16:10]x. ISRO (S. Basavaraju) [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.9_x_Basavaraju_WGCV-51_SpaceAgency_v1.pptx)] [16:10 - 16:20]**Buffer time**  |  |
| **16:30 – 16:45** | **3.10:** Greenhouse Gas Cal/Val Update [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.10_kuzeGHG.pptx)] [15 min]* GHG Cal/Val portal; GHG joint dashboard: urban story
* WGCV support to a potential CEOS-IMEO (International Methane Emissions Observatory) collaboration
 | A. Kuze |
| **16:45 – 17:10**  | **3.11:** Review of WGCV Presentation for the 2022 CEOS Plenary [[PPT](https://ceos.org/document_management/Working_Groups/WGCV/Meetings/WGCV-51/Presentation/3.11_kuzeGHGtowardPlenary.pptx)] | A. Kuze |
| **17:10 – 17:20** | **3.12:** WGCV-52 Meeting Preparation* Latest plan
 | P. Goryl |
| **17:20 – 17:30** | **3:13:** Action Review, Day 3 Close | A. Kuze, P. Goryl |

**WGCV-51 Hybrid Meeting**

**WEBEX Connection Details**

###

### Please join the meeting from your computer, tablet or smartphone:

Webex: <https://ceos.my.webex.com/meet/ceoswebex1>

The main meeting will be held over three days, from October 4-6, 2022. The starting time will be 12:00 midnight UTC (20:00 Washington DC, 01:00 London, 02:00 Rome, 08:00 Perth, 09:00 Tokyo).

### You can also dial in using your phone:

### Access Code: Has been shared via email and Google Calendar invitation.

**Phone numbers (toll):**

Australia +61-2-8349-7082

Canada +1-226-828-9662

France +33-1-7343-1903

Germany +49-69-273-158-70

India +91-80-6480-2006

Italy +39-02-3057-8297

Japan +81-34-477-4387

Thailand +66-2844-9724

United Kingdom +44-20-3467-2616

United States +1-650-479-3208

**WGISS-WGCV Joint Meeting (October 5, 2022)**

**Meeting link:**

<https://ceos.my.webex.com/ceos.my/j.php?MTID=mdcaf70aaa28ea2fce44327774cef511a>

**Meeting number:**

Has been shared via email and Google Calendar invitation.

**Password:**

Has been shared via email and Google Calendar invitation.

You can also dial 173.243.2.68 and enter your meeting number.

**Join by phone**

 +1-650-479-3208 United States Toll

**Access code:** Shared via email and Google Calendar invite.

[**Global call-in numbers**](https://ceos.my.webex.com/webappng/sites/ceos.my/meeting/info/4db32b5468924f08bc1451829dfcece0_20221004T000000Z)