

WGISS-57 Agenda v1.0

The CEOS Working Group on Information Systems and Services (WGISS) will hold its 57th meeting in Sydney, Australia, hosted by Geoscience Australia, from 4 - 7 March, 2024.

Meeting Objectives:

1. Review the strategic priorities of WGISS, including the inputs to the 2024-2026 CEOS Work Plan.
2. Hear from member agencies about relevant programmes and initiatives.
3. Review the Interoperability Framework and Roadmap, as endorsed by the 2023 CEOS Plenary, and discuss next steps.
4. Confirm contributors to the Interoperability Handbook 2.0.
5. Provide an opportunity for the Technology Exploration Interest Group to discuss federation.
6. Discuss STAC topics, including CEOS-ARD STAC Extensions and STAC Best Practices.
7. Share Agency experiences with AVHRR data management.
8. Discuss the issue of collection management, through the support of the Data Preservation and Stewardship Interest Group.
9. Discuss approaches for WGISS outreach.
10. Confirm the plan for WGISS-58.

Week at a Glance

Monday	Tuesday	Wednesday	Thursday
Opening Session	Interoperability	Discovery & Access	Collection Management
WGISS Strategic Planning	Technology Exploration	Data Preservation & Stewardship	Biodiversity
Agency Reports			Closing Session
Outreach & Communications			

Day 1: Monday, 4th March, 2024

Location: Rydges Sydney Central, Taylor Room

Item	Topic	Presenter <i>*remote</i>	Time (AEDT)	CET / EST [#] Day Prior
Session 1: Opening Session				
1.1	Welcome and Review of Agenda ➤ Tour de Table	Tom Sohre (USGS, WGISS Chair)	09:00	23:00 [#] / 17:00 [#]
1.2	Welcome from Geoscience Australia	Alison Rose (GA)*	09:45	23:30 [#] / 17:30 [#]
1.3	WGISS Chair Report ➤ Report from CEOS Plenary 2023 ➤ Review of New Space Task Team and next steps (white paper) ➤ CSA CEOS Chair & JAXA SIT Chair Priorities	Tom Sohre (USGS, WGISS Chair)	10:10	23:50 [#] / 17:50 [#]
Coffee Break			10:30	00:30 / 18:30 [#]
Session 2: WGISS Strategic Planning				
2.1	WGISS Work Plan Status ➤ 2023-2025 Deliverables (completed, shifted) ➤ 2024-2026 Proposed Deliverables	Tom Sohre (USGS, WGISS Chair), IG Chairs	10:50	01:10 / 19:10 [#]
2.2	WGISS-56 Action Review	Libby Rose (WGISS Secretariat)	11:10	00:50 / 18:50 [#]
2.3	Discussion: strategic vision of WGISS ➤ Additional members to take on new projects ➤ Support for CEOS thematic priorities	All	11:20	01:30 / 19:30 [#]

2.4	Session summary & action review	Tom Sohre (USGS, WGISS Chair)	12:20	02:00 / 20:00 [#]
Lunch Break			12:30	02:30 / 20:30 [#]
Session 3: Agency Reports				
3.1	Geoscience Australia	Simon Oliver	13:30	03:30 / 21:30 [#]
3.2	NOAA	Kenneth Casey*	13:45	03:45 / 21:45 [#]
3.3	ISO TC-211	Liping Di	14:00	04:00 / 22:00 [#]
3.4	ISRO	Nitant Dube	14:15	04:15 / 22:00 [#]
3.5	USGS	Steven Covington	14:30	04:30 / 22:30 [#]
3.6	Discussion	All	14:45	04:45 / 22:45 [#]
Session 4: Outreach and Communications				
4.1	Discussion: Internal & external CEOS collaborations	Tom Sohre (USGS, WGISS Chair)	15:00	05:00 / 23:00 [#]
Coffee Break			15:30	05:30 / 23:30 [#]
4.2	CEOS Communications overview	Libby Rose (SEO Comms Team)	15:50	05:50 / 23:50 [#]
4.3	Discussion: WGISS Outreach and Engagement Goals <ul style="list-style-type: none"> ➤ Updating "What is WGISS" (std slides, videos) ➤ Membership (current, recruiting) 	All	16:00	06:00 / 00:00

4.4	Discussion: Training events for WGISS activities	All	16:20	06:20 / 00:20
Session 1: Opening Session (cont.)				
1.5	CEOS Executive Officer Report <ul style="list-style-type: none"> ➤ WGISS 2023 deliverables status ➤ 2024-2026 CEOS Work Plan 	Steven Ramage (CEO)*	16:40	06:40 / 00:40
Adjourn			17:00	07:00 / 01:00

Day 2: Tuesday, 5th March, 2024

Location: Rydges Sydney Central, Taylor Room

Item	Topic	Presenter <i>*remote</i>	Time (AEDT)	CET / EST [#] Day Prior
Session 5: Interoperability				
5.1	Work Plan for Data Interoperability and Use Interest Group (DIIG) ➤ Deliverables for 2024-2026 Work Plan	Nitant Dube (ISRO, WGISS Vice-Chair)	09:00	23:00 [#] / 17:00 [#]
5.2	Interoperability Framework and Roadmap	Tom Sohre (USGS, WGISS Chair)	09:10	23:10 [#] / 17:10 [#]
5.3	Vocabulary (Semantics) ➤ Ontology Status	Katrin Molch (DLR)*	09:20	23:20 [#] / 19:20 [#]
5.4	Geospatial Standards and their role in Interoperability	Liping Di (ISO TC-211)	09:40	23:40 [#] / 17:40 [#]
5.5	SEO Report ➤ CEOS Analytics Lab : New Space interoperability project ➤ COVE ➤ Other SEO updates	Dave Borges (NASA, SEO)*	10:00	00:00 / 18:00 [#]
Coffee Break			10:30	00:30 / 18:30 [#]
5.6	CEOS-ARD: New Strategy for 2024	Matt Steventon (LSI-VC Secretariat)*	10:50	00:50 / 18:50 [#]
5.7	Cloud Native Geospatial and Interoperability	Alex Leith (Auspatious)	11:10	01:10 / 18:10 [#]

5.8	Discussion: Knowledge Graphs ➤ Potential future WGISS topic	Yves Coene (Spacebel for ESA), Nitant Dube (ISRO, WGISS Vice-Chair)	11:30	01:30 / 19:30 [#]
5.9	Discussion and Way Forward	All	12:00	02:00 / 20:00 [#]
Lunch Break			12:30	02:30 / 20:30 [#]
Session 6: Technology Exploration				
6.1	Work Plan for Technology Exploration Interest Group (TEIG) ➤ Deliverables for 2024-2026 Work Plan	Yousuke Ikehata (JAXA, TEIG Lead)	13:30	03:30 / 21:30 [#]
6.2	Status about white paper for AI/ML	Yousuke Ikehata (JAXA)	13:45	03:45 / 21:45 [#]
6.3	Artificial Intelligence for Earth Observation Data Processing : ISRO Use cases.	Sh. Ashutosh Gupta (ISRO)*	14:00	04:00 / 22:00 [#]
6.4	CropSmart: An EO-based digital twin for making wiser cropping decisions	Liping Di (ISO/TC-211)	15:00	05:00 / 23:00 [#]
Coffee Break			15:30	05:30 / 23:30 [#]
6.5	Multi-mission Algorithm and Analysis Platform (MAAP)	Doug Newman (NASA)	15:50	06:10 / 00:10
6.6	Work with Jupyter notebooks and the Digital Earth Australia sandbox	Simon Oliver (GA)	16:20	06:20 / 00:20
6.7	Discussion and Way Forward	All	16:50	06:50 / 00:50

Adjourn	17:00	07:00 / 01:00
<p>Group Dinner (self-funded) Time: 6:30pm Where: Keg & Brew Hotel, 26 Foveaux St, Surry Hills Meet: Lobby of Rydges Sydney Central, 6:15pm</p>		

Day 3: Wednesday, 6th March, 2024

Location: Rydges Sydney Central, Taylor Room

Item	Topic	Presenter <i>*remote</i>	Time (AEDT)	CET / EST [#] Day Prior
Session 7: Discovery & Access				
7.1	Session Objectives <ul style="list-style-type: none"> ➤ Work Plan for Data Discovery & Access Interest Group (DAIG) ➤ Deliverables for 2024-2026 Work Plan 	Damiano Guerrucci* / Mirko Albani (ESA)	08:30	22:30 [#] / 16:30 [#]
7.2	STAC ARD Extensions SAR and Optical	Matthias Mohr (for ESA)*	08:40	22:40 [#] / 16:40 [#]
7.3	OpenEO as community standard and other related OGC standards (e.g. OpenEO) and STAC	Alexander Jacob (Eurac Research)*	09:00	23:00 [#] / 17:00 [#]
7.4	STAC and STAC API Community Standard to OGC	Matt Hanson (Element84)*	09:20	23:20 [#] / 17:20 [#]
7.5	STAC Best Practices Roadmap discussion	Yves Coene (Spacebel for ESA)	09:40	23:40 [#] / 17:40 [#]
7.6	Open discussion	All	10:00	00:00 / 18:00 [#]
Coffee Break			10:30	00:30 / 18:30 [#]
7.7	FedEO Report	Yves Coene (Spacebel for ESA)	10:50	00:50 / 18:50 [#]

7.8	International Directory Network (IDN) Report	Michael Morahan (NASA)*	11:05	01:05 / 19:05 [#]
7.9	CEOS Data Access Website	Filippo Marchesi (Solenix for ESA)	11:20	01:20 / 19:20 [#]
7.10	CEOS Jupyter Notebook inclusion into the service catalog – EUMETSAT use case	Yves Coene (Spacebel for ESA)	11:40	01:40 / 19:40 [#]
Lunch Break			12:00	02:00 / 20:00 [#]
Session 8: Data Preservation and Stewardship				
8.1	Work Plan for Data Preservation and Stewardship Interest Group (DSIG) ➤ Deliverables for 2024-2026 Work Plan	Mirko Albani (ESA, DSIG Lead)	13:30	03:30 / 21:30 [#]
8.2	Archive technologies evolution white paper : summary and recommendations	Iolanda Maggio (Rhea for ESA)	13:50	03:50 / 21:50 [#]
8.3	Long Term Archive Workshop	Iolanda Maggio (Rhea for ESA)	14:10	04:10 / 22:10 [#]
8.4	WGISS documents and past activities pages periodic review: proposal for discussion	Iolanda Maggio (Rhea for ESA)	14:30	04:30 / 22:30 [#]
8.5	Data Stewardship and Maturity: WGISS DMSMM vs NCEI and WMO DSMM	Iolanda Maggio (Rhea for ESA)	14:50	04:50 / 22:50 [#]
Coffee Break			15:00	05:00 / 23:00 [#]

8.6	AVHRR Data Recovery Project Updates	Mirko Albani (ESA)	15:20	05:20 / 23:50 [#]
8.7	CSIRO AVHRR activity update	Matt Paget (CSIRO)	15:40	05:40 / 23:40 [#]
8.8	AVHRR data availability and access from Bhoonidhi	Saikalpana T. (ISRO)	15:50	05:50 / 23:50 [#]
8.9	ESA FDR4AVHRR Project	Mirko Albani (ESA)	16:10	06:10 / 00:10
8.10	DLR AVHRR data curation and reprocessing	Katrin Molch (DLR)*	16:30	06:30 / 00:30
8.11	Discussion	All	16:50	06:50 / 00:50
Adjourn			17:00	07:00 / 01:00

Day 4: Thursday, 7th March, 2024

Location: Rydges Sydney Central, Taylor Room

Item	Topic	Presenter <i>*remote</i>	Time (AEDT)	CET / EST #Day Prior
Session 9: Collection Management				
9.1	Session introduction ➢ Objectives and Scope ➢ Initial proposal of themes	Mirko Albani (ESA) Tom Sohre (USGS, WGISS Chair)	09:00	23:00# / 17:00#
9.2	ESA collection management practices	Ferran Gascon (ESA)*	09:20	23:20# / 17:20#
9.3	USGS collection management practices	Tom Maiersperger (USGS)	09:30	23:30# / 17:30#
9.4	NASA collection management practices	Dana Ostrenga/ Douglas Newman (NASA)	09:40	23:40# / 17:40#
9.5	GA collection management practices	Simon Oliver (GA)	09:50	23:50# / 17:50#
9.6	Discussion	Moderated by ESA	10:00	00:00 / 18:00#
Coffee Break			10:30	00:30 / 18:30#
Session 10: Biodiversity				
10.1	Context - why is biodiversity in CEOS CSA CEOS Chair Priority	Gary Geller (NASA)*	10:50	00:50 / 18:50#
10.2	Technical Challenges	Roger Sayre (USGS)*	11:05	

➤ [2023 White Paper](#)

10.2	Hudson Bay Lowlands Demonstrator ➤ Use of CEOS Analytics Lab	Jason Duffe (ECCC)*	11:35	01:10 / 19:10 [#]
10.3	Discussion: How can WGISS support Biodiversity work in CEOS?	All	12:00	01:40 / 19:30 [#]
Lunch Break			12:30	02:30 / 20:30 [#]
Session 11: Closing				
11.1	Review of actions and decisions	Libby Rose (WGISS Secretariat)	13:30	03:30 / 21:30 [#]
11.2	WGISS-58 Planning	Tom Sohre (WGISS Chair)	14:00	04:00 / 22:00 [#]
11.3	Closing Remarks	Tom Sohre (WGISS Chair)	14:10	04:10 / 22:10 [#]
Adjourn			14:30	04:30 / 22:30 [#]