



WGISS-59 Agenda v0.1

The CEOS Working Group on Information Systems and Services (WGISS) will hold its 59th meeting in Bangkok, Thailand, hosted by the Thailand Geo-Informatics and Space Technology Development Agency (GISTDA), from 24 - 28 March, 2025.

Week at a Glance

	Monday	Tuesday	Wednesday	Thursday	Friday
AM	Chair Meeting WGISS Administrative	Opening Session (cont.) Interoperability - Policy Factor	Interoperability - Architecture Factor	Technology Exploration Software preservation	CEOS-ARD Communications Closing session
PM	Opening Session Agency Reports	Interoperability - Interface Factor Interoperability - Vocabulary Factor	Federated Authentication and Authorization Technology Exploration	Collections Management Heritage Datasets Recovery	
Evening		Group dinner (self-funded) TBC			

Day 1: Monday 24th March, 2024

Location: Krung Thep 4, Centara Grand at Central Ladprao Bangkok

Item	Topic	Presenter <i>*remote</i>	Time (ICT)	CET / EST <i>#Day Prior</i>
Session 1: Opening Session				
<i>Moderator: TBD</i>				
1.1	Welcome & Review of Agenda ➤ Tour de table	Tom Sohre (USGS, WGISS Chair), Nitant Dube (ISRO, WGISS Vice-Chair)	13:00	07:00 / 02:00
1.2	Keynote from GISTDA	Tanita Suepa (GISTDA)	13:20	07:20 / 02:20
1.3	CEOS Executive Officer Report	Steven Ramage (CEOS Executive Officer)*	13:50	07:50 / 02:50
1.4	Data Preservation & Stewardship Interest Group (DSIG) Work Plan	Mirko Albani (ESA)	14:10	08:10 / 03:10
1.5	Data Discovery & Access Interest Group (DAIG) Work Plan	Damiano Guerrucci (ESA)*	14:15	08:15 / 03:15
1.6	Data Interoperability & Use Interest Group (DIIG) Work Plan	Nitant Dube (ISRO, WGISS Vice-Chair)	14:20	08:20 / 03:20
1.7	Technology Exploration Interest Group (TEIG) Work Plan	Yousuke Ikehata (JAXA)	14:25	08:25 / 03:25
1.8	Select Action Review	Libby Rose (WGISS Secretariat)	14:30	08:30 / 03:30
Coffee Break			14:50	08:50 / 03:50

Session 2: Agency Reports				
<i>Moderator: TBD</i>				
2.1	NASA		TBD	15:10 09:10 / 04:10
2.2	USGS		TBD	15:25 09:25 / 04:25
2.3	UKSA		Robert Fletcher	15:40 09:40 / 04:40
2.4	CSIRO		Matt Paget	15:55 09:55 / 04:55
2.5	GISTDA		TBD	16:10 10:10 / 05:10
2.6	TBD		TBD	16:25 10:25 / 05:25
2.6	Discussion		All	16:40 10:40 / 05:40
Adjourn				17:00 11:00 / 06:00

Day 2: Tuesday, 25th March, 2025

Location: Krung Thep 4, Centara Grand at Central Ladprao Bangkok

Item	Topic	Presenter <i>*remote</i>	Time (ICT)	CET / EST <i>#Day Prior</i>
Session 1: Opening Session (cont.)				
<i>Moderator: TBD</i>				
1.9	System Engineering Office Report	Dave Borges (NASA, SEO)*	09:00	03:00 / 22:00 [#]
1.10	FedEO Report	Yves Coene (ESA/Spacebel)	09:20	03:20 / 22:20 [#]
1.11	IDN Report	TBD	09:40	03:40 / 22:40 [#]
	<i>Discussion/buffer</i>		10:00	04:00 / 23:00 [#]
Coffee Break			10:30	04:30 / 23:30 [#]
Session 4: Interoperability: Policy Factor				
<i>Moderator: Nitant Dube</i>				
4.1	GEO Data Licensing Guidance	Nitant Dube (ISRO, WGISS Vice-Chair)	10:50	04:50 / 23:50 [#]
4.2	Review of Policy Factor	TBD	11:30	05:30 / 00:30
Lunch Break			13:00	07:00 / 02:00
Session 3: Interoperability: Interface Factor				
<i>Moderator: Nitant Dube</i>				

3.1	Data Discovery	Damiano Guerrucci (ESA)*	14:00	08:00 / 03:00
3.2	Data Access	Damiano Guerrucci (ESA)*	14:30	08:30 / 03:30
3.3	Authentication and Authorization	Damiano Guerrucci (ESA)*	15:00	09:00 / 04:00
Coffee Break			15:30	09:30 / 04:30
Session 5: Interoperability: Vocabulary Factor				
<i>Moderator: Nitant Dube</i>				
5.1	Review of Vocabulary Recommendations	Peter Strobl (EC-JRC)	15:50	09:50 / 04:50
5.2	TBD	TBD	16:30	10:30 / 05:30
Adjourn			17:00	11:00 / 06:00
Group Dinner			18:30	
<i>Details TBC</i>				

Day 3: Wednesday 26th March, 2025

Location: Krung Thep 4, Centara Grand at Central Ladprao Bangkok

Item	Topic	Presenter <i>*remote</i>	Time (CDT)	CET / EST <i>#Day Prior</i>
Session 6: Interoperability: Architecture Factor				
<i>Moderator: Nitant Dube</i>				
6.1	Data Architecture (Archival and Preservation)	Mirko Albani (ESA)	09:00	03:00 / 22:00 [#]
6.2	Metadata Architecture	Alex Leith (SEO)	09:45	03:45 / 22:45 [#]
Coffee Break			10:30	04:30 / 23:30 [#]
6.3	Cloud Architecture	Alex Leith (SEO)	10:50	04:50 / 23:50 [#]
6.4	Publishing Architecture	Alex Leith (SEO)	11:30	05:30 / 00:30
6.5	Discussion	All	12:15	06:15 / 01:15
Lunch Break			13:00	07:00 / 02:00
Session 7: Federated Authentication and Authorisation				
<i>Moderator: Damiano Guerrucci</i>				
7.1	Federated STAC progress	TBD	14:00	08:00 / 03:00
7.2	Holistic Identity Management	TBD	14:20	08:20 / 03:20
7.3	Federated AuthN/AuthZ Use Cases	Sofia Marzo (ESA)* / Saskia Brose (ESA)*	14:35	08:35 / 03:35

7.4	Bilateral ESA-DLR Federation Use Cases	ESA/DLR*	14:50	08:50 / 03:50
7.5	SSI - Decentralised Authentication / JAXA	Yousuke Ikehata (JAXA)	15:10	09:10 / 04:10
7.6	Open Discussion	All	15:30	09:30 / 04:30
Coffee Break			15:50	09:50 / 04:50
Session 8: Technology Exploration				
<i>Moderator: Yousuke Ikehata</i>				
8.1	EO Advanced AI Assistant	Hayret Abdula Keary (ESA)*	16:10	10:10 / 05:10
8.2	Jupyter Notebook Best Practices	Esther Conway (SFTC/UK) / Yousuke Ikehata (JAXA)	16:30	10:30 / 05:30
	<i>Discussion/buffer</i>		16:50	10:50 / 05:50
Adjourn			17:00	11:00 / 06:00

Day 4: Thursday 27th March, 2025

Location: Krung Thep 4, Centara Grand at Central Ladprao Bangkok

Item	Topic	Presenter <i>*remote</i>	Time (ICT)	CET / EST <i>#Day Prior</i>
Session 8: Technology Exploration (cont.)				
<i>Moderator: Yousuke Ikehata</i>				

8.3	Session Objectives	Yousuke Ikehata (JAXA)	09:00	03:00 / 22:00 [#]
8.4	Satellite Tasking API (STAPI)	Matt Hansen (Element84)*	09:05	03:05 / 22:05 [#]
8.5	Video compression for EO	UK	09:35	03:35 / 22:35 [#]
8.6	Cloud compression	UK	09:50	03:50 / 22:50 [#]
8.7	On-board compression	TBD	10:05	04:05 / 23:05 [#]
8.8	Discussion	All	10:20	04:20 / 23:20 [#]
Coffee Break			10:50	04:50 / 23:50
Session 9: Software Preservation				
<i>Moderator: Mirko Albani</i>				
9.1	Concept and Session Introduction	Iolanda Maggio (ESA/Starion)	11:10	05:00 / 00:10
9.2	ESA - Heritage Software Hub (HESH)	Iolanda Maggio (ESA/Starion)	11:30	05:30 / 00:30
9.3	Agency TBD	TBD	11:45	05:45 / 00:45
9.4	Agency TBD	TBD	12:00	06:00 / 01:00
9.5	Agency TBD	TBD	12:15	06:15 / 01:15
9.6	Discussion	All	12:30	06:30 / 01:30

Lunch Break			13:00	07:00 / 02:00
Session 11: Collections Management				
<i>Moderator: Mirko Albani</i>				
11.1	Session Introduction & Status of Collections Management Work	Mirko Albani (ESA)	14:00	08:00 / 03:00
11.2	Collection Management and Governance White Paper	Iolanda Maggio (ESA/Starion)	14:05	08:05 / 03:05
11.3	NASA EarthData Cloud Archive Policy	TBD	14:30	08:30 / 03:30
11.4	OAIS-Interoperability Framework Prototypes	Iolanda Maggio (ESA/Starion)	14:50	08:50 / 03:50
	<i>Disucssion/buffer</i>		15:10	09:10 / 04:10
Coffee Break			15:30	09:30 / 04:30
Session 12: Heritage Datasets Recovery				
<i>Moderator: Mirko Albani</i>				
12.1	Concept and Session Introduction	Mirko Albani (ESA)	15:45	09:45 / 04:45
12.2	Status of AVHRR data recovery work	Mirko Albani (ESA)	16:00	10:00 / 05:00
12.3	Updated differences between AVHRR L1b/1c satellites products	Mirko Albani (ESA)	16:20	10:20 / 05:20
Session 9: Technology Exploration (cont.)				
<i>Moderator: Yousuke Ikehata</i>				

9.8	AI/ML White Paper: Discussion & Next Steps	Yousuke Ikehata (JAXA)	16:30	10:30 / 05:30
Adjourn			17:00	11:00 / 06:00

Day 5: Friday 28th March, 2025

Location: Krung Thep 4, Centara Grand at Central Ladprao Bangkok

Item	Topic	Presenter <i>*remote</i>	Time (ICT)	CET / EST <i>#Day Prior</i>
Session 12: Other Topics				
<i>Moderator: Tom Sohre</i>				
12.1	CEOS-ARD Strategy: Discussion on items for WGISS to support <ul style="list-style-type: none"> ➢ Replica datasets, authenticity, traceability, and inherited CEOS-ARD compliance ➢ Incorporate additional cloud native approaches and facilitate machine-to-machine access and utilization ➢ CEOS-ARD discoverability and branding 	Matt Steventon (LSI-VC Secretariat)*	09:00	03:00 / 22:00 [#]
12.2	Communications	TBD	10:00	04:00 / 23:00 [#]
Coffee Break			10:30	04:30 / 23:30 [#]
Session 13: Closing Session				
13.1	Action Review	Libby Rose (WGISS Secretariat)	10:50	04:50 / 23:50 [#]



13.2	Closing Remarks <ul style="list-style-type: none">➤ Future Leadership➤ Future Meetings	Tom Sohre (USGS, WGISS Chair), Nitant Dube (ISRO, WGISS Vice-Chair)	11:10	05:10 / 00:10
Adjourn			12:00	06:00 / 01:00
