

WGISS-59 Agenda v1.0

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) KubKao' KubPla			

Day 1: Monday 24th March, 2024

Location: Krung Thep 4, Centara Grand at Central Ladprao Bangkok ([floor plan](#))

Lunch				
Location: Chatuchak Cafe on the Lobby floor			12:00	
Item	Topic	Presenter <i>*remote</i>	Time (ICT)	CET / EST <i>#Day Prior</i>
Session 1: Opening Session Moderator: Tom Sohre, Nitant Dube				
1.1	Welcome & Review of Agenda ➤ Tour de table ➤ Welcome from Pakorn Apaphant (GISTDA)	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	Technology Exploration Interest Group (TEIG) Work Plan	Yousuke Ikehata (JAXA)	14:20	08:25 / 03:25
1.7	Data Interoperability & Use Interest Group (DIIG) Work Plan ➤ Overview of Interoperability Handbook v2.0	Nitant Dube (ISRO, WGISS Vice-Chair)	14:25	08:20 / 03:20
1.8	Select Action Review	Libby Rose (WGISS Secretariat)	14:40	08:30 / 03:30

Coffee Break			14:50	08:50 / 03:50
Session 2: Agency Reports <i>Moderator: Nitant Dube</i>				
2.1	UKSA	Robert Fletcher	15:10	09:10 / 04:10
2.2	CSIRO	Matt Paget	15:25	09:25 / 04:25
2.3	GISTDA	Prayot Puangjaktha	15:40	09:40 / 04:40
2.4	JAXA	Makoto Natsuisaka	15:55	09:55 / 04:55
2.5	TBD	TBD	16:10	10:10 / 05:10
<i>Discussion/buffer</i>			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 ([floor plan](#))

Item	Topic	Presenter <i>*remote</i>	Time (ICT)	CET / EST <i>#Day Prior</i>
Session 1 & 2: Opening Session & Agency Reports (cont.)				
<i>Moderator: Tom Sohre, Nitant Dube</i>				
1.9	System Engineering Office Report	Dave Borges (NASA, SEO)*	09:00	03:00 / 22:00 [#]
1.10	Satellite Tasking API (STAPI)	Matt Hansen (Element84)*	09:20	03:20 / 22:20 [#]
1.11	IDN Report	Michael Morahan (NASA/KBR)*	09:40	03:40 / 22:40 [#]
2.6	NASA Agency Report	Doug Newman*	09:55	03:55 / 22:55 [#]
2.7	NASA ESDIS STAC Update	Doug Newman (NASA)*	10:10	04:10 / 23:10 [#]
1.12	FedEO Report	Yves Coene (ESA/Spacebel)	10:30	04:30 / 23:30 [#]
Coffee Break			10:50	04:50 / 23:50 [#]
Session 3: Interoperability: Policy Factor				
<i>Moderator: Nitant Dube</i>				
3.1	GEO Data Licensing Guidance	Nitant Dube (ISRO, WGISS Vice-Chair)	11:10	05:10 / 00:10
3.2	Review of Policy Factor	Nitant Dube (ISRO, WGISS Vice-Chair)	11:40	05:40 / 00:40

Lunch Break			13:00	07:00 / 02:00
<i>Location: Chatuchak Cafe on the Lobby floor</i>				
Session 4: Interoperability: Interface Factor				
<i>Moderator: Nitant Dube</i>				
4.1	Data Discovery	Damiano Guerrucci (ESA)*	14:00	08:00 / 03:00
4.2	Data Access	Damiano Guerrucci (ESA)*	14:30	08:30 / 03:30
4.3	Authentication and Authorization	Damiano Guerrucci (ESA)*	15:00	09:00 / 04:00
Coffee Break			15:30	09:30 / 04:30
Session 5: Interoperability: Vocabulary and Quality Factors				
<i>Moderator: Nitant Dube</i>				
5.1	Review of Vocabulary Recommendations	Peter Strobl (EC-JRC)*	15:50	09:50 / 04:50
	 Draft_CEOS_Interoperability_Handbook_2.0			
Adjourn			17:00	11:00 / 06:00
Group Dinner			18:30	
<u>KubKao' KubPla</u>				

Day 3: Wednesday 26th March, 2025

Location: Krung Thep 4, Centara Grand at Central Ladprao Bangkok ([floor plan](#))

Item	Topic	Presenter <i>*remote</i>	Time (CDT)	CET / EST <i>#Day Prior</i>
Session 5: Interoperability: Vocabulary and Quality Factors (cont.) <i>Moderator: Nitant Dube</i>				
5.2	Review of Calibration and Validation Recommendations	Cody Anderson (USGS, WGCV Chair)*	09:00	03:00 / 22:00 [#]
Session 7: Federated Authentication and Authorisation <i>Moderator: Filippo Marchesi</i>				
7.1	NASA Federated Authentication & Authorisation	Doug Newman (NASA)*	09:30	03:30 / 22:30 [#]
Session 6: Interoperability: Architecture Factor <i>Moderator: Nitant Dube</i>				
6.1	Data Architecture (Archival and Preservation)	Mirko Albani (ESA)	09:50	03:50 / 22:50 [#]
Coffee Break			10:40	04:40 / 23:40 [#]
6.2	Metadata Architecture	Alex Leith (SEO)	11:00	05:00 / 00:00
6.3	Cloud Architecture	Alex Leith (SEO)	11:30	05:30 / 00:30
6.4	Publishing Architecture	Alex Leith (SEO)	12:00	06:00 / 01:00
6.5	Discussion	All	12:30	06:30 / 01:30

Lunch Break			13:00	07:00 / 02:00
<i>Location: Chatuchak Cafe on the Lobby floor</i>				
Session 7: Federated Authentication and Authorisation (cont.)				
<i>Moderator: Damiano Guerrucci</i>				
7.2	Federated AuthN/AuthZ Use Cases	Sofia Marzo (ESA)* / Saskia Brose (ESA)*	14:00	08:00 / 03:00
7.3	Bilateral ESA-DLR Federation Use Cases	ESA/DLR*	14:20	08:20 / 03:20
7.4	SSI - Decentralised Authentication / JAXA	Yousuke Ikehata (JAXA)	14:40	08:35 / 03:35
7.5	Open Discussion	All	15:00	08:50 / 03:50
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 ([floor plan](#))

Item	Topic	Presenter <i>*remote</i>	Time (ICT)	CET / EST <i>#Day Prior</i>
Session 9: Collections Management <i>Moderator: Mirko Albani</i>				
9.1	NASA EarthData Cloud Archive Recommendations	Doug Newman (NASA)*	09:00	03:00 / 22:00 [#]
Session 8: Technology Exploration (cont.) <i>Moderator: Yousuke Ikehata</i>				
8.3	Session Objectives	Yousuke Ikehata (JAXA)	09:20	03:20 / 22:20 [#]
8.4	AI/ML White Paper: Discussion & Next Steps	Yousuke Ikehata (JAXA)	09:30	03:30 / 22:30 [#]
8.5	Digital Twins White Paper	Yousuke Ikehata (JAXA)	09:50	03:50 / 22:50 [#]
8.6	Video compression for EO	Robert Fletcher (UKSA)	10:10	04:10 / 23:10 [#]
8.7	Cloud compression	Robert Fletcher (UKSA)	10:25	04:25 / 23:25 [#]
8.8	Discussion	All	10:40	04:40 / 23:40 [#]
Coffee Break			11:00	05:00 / 00:00
Session 9: Collections Management <i>Moderator: Mirko Albani</i>				
9.1	Session Introduction & Status of Collections Management Work	Mirko Albani (ESA)	11:20	05:20 / 00:20

9.2	Collection Management and Governance White Paper	Iolanda Maggio (ESA/Starion)	11:30	05:30 / 00:30
9.4	EO Collection Data Citation Guidelines	Iolanda Maggio (ESA/Starion)	11:50	05:50 / 00:50
9.5	OAIS-Interoperability Framework Prototypes	Roberta Svanetti (ESA/Deda Tech)*	12:10	06:10 / 01:10
9.6	Discussion	All	12:30	06:30 / 01:30
Lunch Break <i>Location: Chatuchak Cafe on the Lobby floor</i>			13:00	07:00 / 02:00
Session 10: Software Preservation <i>Moderator: Mirko Albani</i>				
10.1	Concept and Session Introduction	Iolanda Maggio (ESA/Starion)	14:00	08:00 / 03:00
10.2	ESA - Heritage Software Hub (HESH)	Bryan Keary (ESA/Solenix)*	14:20	08:20 / 03:20
10.3	CERN Preservation Strategy Framework	Jean Yves Le Meur (CERN)*	14:40	08:40 / 03:40
10.4	Software Preservation	Morane Gruenpeter (Software Heritage)*	15:00	09:00 / 04:00

10.5	Discussion	All	15:20	09:20 / 04:20
Coffee Break			15:30	09:30 / 04:30
Session 11: Heritage Datasets Recovery <i>Moderator: Mirko Albani</i>				
11.1	Concept and Session Introduction	Mirko Albani (ESA)	15:45	09:45 / 04:45
11.2	Status of AVHRR data recovery work	Mirko Albani (ESA)	16:00	10:00 / 05:00
11.3	Updated differences between AVHRR L1b/1c satellites products	Mirko Albani (ESA)	16:20	10:20 / 05:20
<i>Discussion/buffer</i>			16:40	10:40 / 05:40
Adjourn <i>Location: Chatuchak Cafe on the Lobby floor</i>			17:00	11:00 / 06:00

Day 5: Friday 28th March, 2025

Location: Krung Thep 4, Centara Grand at Central Ladprao Bangkok ([floor plan](#))

Item	Topic	Presenter <i>*remote</i>	Time (ICT)	CET / EST <i>#Day Prior</i>
Session 12: Other Topics				
<i>Moderator: Tom Sohre, Nitant Dube</i>				
12.1	CEOS-ARD Strategy : Discussion on items for WGISS to support ➤ Replica datasets, authenticity, traceability, and inherited CEOS-ARD compliance ➤ CEOS-ARD discoverability and branding	Matt Steventon (LSI-VC Secretariat)*	09:00	03:00 / 22:00 [#]
12.2	Communications ➤ WGISS Website Updates	Libby Rose (WGISS Secretariat)	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 ➤ Future Leadership ➤ Future Meetings	Tom Sohre (USGS, WGISS Chair), Nitant Dube (ISRO, WGISS Vice-Chair)	11:10	05:10 / 00:10
Adjourn / Lunch			12:00	06:00 / 01:00
<i>Location: Chatuchak Cafe on the Lobby floor</i>				

Floor Plan

CENTARA GRAND

AT CENTRAL PLAZA
LADPRAO BANGKOK

