

## WGISS-60 Agenda v0.1

The CEOS Working Group on Information Systems and Services (WGISS) will hold its 60th meeting in Oberpfaffenhofen, Germany, hosted by the German Aerospace Centre (DLR), from 13 - 17 October, 2025.

### Week at a Glance

|         | Monday                                   | Tuesday                                                         | Wednesday                                                                          | Thursday                                                                                     | Friday                               |
|---------|------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------|
| AM      | Chair Meeting<br>WGISS<br>Administrative | Agency Reports<br>EO Data Citation<br>Guidelines<br>Data Access | Data Management:<br>Replica Datasets &<br>Big Data<br><br>Software<br>Preservation | Interoperability<br>Handbook and<br>Maturity Matrix<br><br>Interoperability<br>Demonstrators | Closing session<br><br>Digital Twins |
| PM      | Opening Session<br>Agency Reports        | WGISS Connected<br>Data Assets<br>Biodiversity                  | Heritage Datasets<br>Recovery<br><br>AI/ML                                         | Interoperability<br>Demonstrators<br><br>CEOS Common<br>Dictionary                           |                                      |
| Evening |                                          | Group dinner TBC                                                |                                                                                    |                                                                                              |                                      |

## Day 1: Monday 13th October, 2024

Location: TBC

Webex line: TBC

| Item                                                                          | Topic                                                               | Presenter<br><i>*remote</i>                                            | Time<br>(CET) | EST   |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------|---------------|-------|
| <b>Session 1: Opening Session</b><br><i>Moderator: Tom Sohre, Nitant Dube</i> |                                                                     |                                                                        |               |       |
| 1.1                                                                           | Welcome & Review of Agenda<br>➤ Welcome from DLR<br>➤ Tour de table | Tom Sohre (USGS, WGISS Chair),<br>Nitant Dube (ISRO, WGISS Vice-Chair) | 12:30         | 06:30 |
| 1.2                                                                           | Keynote from DLR                                                    | TBC                                                                    | 12:50         | 06:50 |
| 1.3                                                                           | CEOS Executive Officer Report                                       | Steven Ramage (CEOS Executive Officer)*                                | 13:20         | 07:20 |
| 1.4                                                                           | SEO Report                                                          | David Borges (NASA, SEO)                                               | 13:40         | 07:40 |
| 1.5                                                                           | Data Preservation & Stewardship Interest Group (DSIG) Work Plan     | Mirko Albani (ESA)                                                     | 14:00         | 08:00 |
| 1.6                                                                           | Data Discovery & Access Interest Group (DAIG) Work Plan             | Damiano Guerrucci (ESA)                                                | 14:05         | 08:05 |
| 1.7                                                                           | Technology Exploration Interest Group (TEIG) Work Plan              | Yousuke Ikehata (JAXA)                                                 | 14:10         | 08:10 |
| 1.8                                                                           | Data Interoperability & Use Interest Group (DIIG) Work Plan         | Nitant Dube (ISRO, WGISS Vice-Chair)                                   | 14:15         | 08:15 |
| 1.9                                                                           | Select Action Review                                                | Libby Rose (WGISS Secretariat)                                         | 14:20         | 08:20 |

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|-----------------------------------------------------------|--------------------------------------------------|--------------------------|-------|-------|
| <b>1.10</b>                                               | Living Planet Symposium: Key Takeaways for WGISS | Damiano Guerrucci (ESA)  | 14:30 | 08:30 |
|                                                           | <i>Discussion/Buffer</i>                         |                          | 14:50 | 08:50 |
| <b>Group Photo + Coffee Break</b>                         |                                                  |                          | 15:10 | 09:10 |
| <b>Session 2: Agency Reports</b><br><i>Moderator: TBC</i> |                                                  |                          |       |       |
| <b>2.1</b>                                                | NASA                                             | Katie Baynes (NASA)      | 15:30 | 09:30 |
| <b>2.2</b>                                                | NOAA                                             | Ken Casey (NOAA)         | 15:45 | 09:45 |
| <b>2.3</b>                                                | JAXA                                             | Makoto Natsuisaka (JAXA) | 16:00 | 10:00 |
| <b>2.4</b>                                                | USGS                                             | Tom Sohre (USGS)         | 16:15 | 10:15 |
| <b>2.5</b>                                                | UKSA                                             | Robert Fletcher (UKSA)   | 16:30 | 10:30 |
|                                                           | <i>Discussion/buffer</i>                         |                          | 16:45 | 10:45 |
| <b>Adjourn</b>                                            |                                                  |                          | 17:00 | 11:00 |

## Day 2: Tuesday, 14th October, 2025

Location: TBC

Webex line: TBC

| Item                                                                            | Topic                                                                   | Presenter<br><i>*remote</i>      | Time<br>(CET) | EST   |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------|---------------|-------|
| <b>Session 2: Agency Reports (cont.)</b><br><i>Moderator: TBC</i>               |                                                                         |                                  |               |       |
| <b>2.6</b>                                                                      | Geoscience Australia                                                    | Michael Wellington (GA)*         | 09:00         | 03:00 |
| <b>2.7</b>                                                                      | ISRO                                                                    | Nitant Dube (ISRO)               | 09:15         | 03:15 |
| <b>Session 3: EO Data Citation Guidelines</b><br><i>Moderator: Mirko Albani</i> |                                                                         |                                  |               |       |
| <b>3.1</b>                                                                      | EO Collection Data Citation Guidelines - Introduction                   | Iolanda Maggio (ESA/Starion)     | 09:30         | 03:30 |
| <b>3.2</b>                                                                      | EO Collection Data Citation at WGISS Agencies                           | Iolanda Maggio (ESA/Starion)/All | 09:40         | 03:40 |
| <b>Coffee Break &amp; DLR Tour</b>                                              |                                                                         |                                  | 10:00         | 04:00 |
| <b>Session 4: Data Access</b><br><i>Moderator: Damiano Guerrucci</i>            |                                                                         |                                  |               |       |
| <b>4.1</b>                                                                      | Federated Authentication and Authorization (AuthN/Z) White Paper status | Filippo Marchesi (Solenix/ESA)   | 11:00         | 05:00 |
| <b>4.2</b>                                                                      | ESA-DLR Bilateral AuthN/Z activities                                    | TBD                              | 11:20         | 05:20 |

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| <b>4.3</b>                                                                           | CWIC and STAC                                                                                        | Doug Newman (NASA)                   | 11:50 | 06:50 |
| <b>4.4</b>                                                                           | Open Geospatial Consortium Activities Update                                                         | TBD                                  | 12:10 | 06:10 |
| <b>4.5</b>                                                                           | Discussion: Data in the cloud                                                                        | Damiano Guerrucci (ESA) / All        | 12:30 | 06:30 |
|                                                                                      | <i>Discussion/buffer</i>                                                                             |                                      | 12:40 | 06:40 |
| <b>Lunch Break</b>                                                                   |                                                                                                      |                                      | 13:00 | 07:00 |
| <b>Session 5: WGISS Connected Data Assets</b><br><i>Moderator: Damiano Guerrucci</i> |                                                                                                      |                                      |       |       |
| <b>5.1</b>                                                                           | WGISS Connected Data Assets Overview                                                                 | Damiano Guerrucci (ESA)              | 14:00 | 08:00 |
| <b>5.2</b>                                                                           | FedEO Update                                                                                         | Yves Coene (ESA/Spacebel)            | 14:10 | 08:10 |
| <b>5.3</b>                                                                           | IDN Update                                                                                           | Doug Newman (NASA)                   | 14:25 | 08:25 |
| <b>5.4</b>                                                                           | Data Assets Integration process - Use Cases                                                          | Yves Coene (Spacebel/ESA)            | 14:40 | 08:40 |
| <b>5.5</b>                                                                           | CSIRO Integration                                                                                    | Matt Paget (CSIRO)                   | 14:55 | 08:55 |
|                                                                                      | <i>Discussion/buffer</i>                                                                             |                                      | 15:10 | 09:10 |
| <b>Coffee Break</b>                                                                  |                                                                                                      |                                      | 15:30 | 09:30 |
| <b>Session 6: Biodiversity</b><br><i>Moderator: Tom Sohre</i>                        |                                                                                                      |                                      |       |       |
| <b>6.1</b>                                                                           | Review of Biodiversity Study Team (BST) progress<br>➤ Recommendation to be presented to CEOS Plenary | Gary Geller (NASA/JPL, BST Co-lead)* | 16:00 | 10:00 |

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| <b>6.2</b>              | Discussion: Identifying CEOS Agency resources to fill gaps identified by BST | Tom Sohre (USGS, WGISS Chair),<br>Gary Geller (NASA/JPL, BST<br>Co-lead) | 16:15 | 10:15 |
| <b>Adjourn</b>          |                                                                              |                                                                          | 17:00 | 11:00 |
| <b>Group Dinner TBC</b> |                                                                              |                                                                          |       |       |

### Day 3: Wednesday, 15th October, 2025

Location: TBC

Webex line: TBC

| Item                                                                                       | Topic                                                                              | Presenter<br><i>*remote</i>  | Time<br>(CET) | EST   |
|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------|---------------|-------|
| <b>Session 7: Data Management - Replicas &amp; Big Data</b><br><i>Moderator: Tom Sohre</i> |                                                                                    |                              |               |       |
| <b>7.1a</b>                                                                                | Replica Datasets: Introduction                                                     | Tom Sohre (USGS)             | 09:00         | 03:00 |
| <b>7.1b</b>                                                                                | Summary of WGISS-55 Data Replicas Discussion                                       | Iolanda Maggio (ESA/Starion) | 09:10         | 03:10 |
| <b>7.1c</b>                                                                                | DLR's Approach to Replica Datasets TBC                                             | TBC                          | 09:20         | 03:20 |
| <b>7.1d</b>                                                                                | Replica Datasets: Discussion & Next Steps                                          | All                          | 09:30         | 03:30 |
| <b>7.2</b>                                                                                 | Discussion: 'Big Data'<br>➤ What does this mean to WGISS<br>➤ Data next to compute | Robert Fletcher (UKSA)       | 09:50         | 03:45 |

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| <b>Coffee Break</b>                                                           |                                                                                                                                                                   |                                               | 10:30 | 04:30 |
| <b>Session 8: Preservation Topics</b><br><i>Moderator: Mirko Albani</i>       |                                                                                                                                                                   |                                               |       |       |
| <b>8.1</b>                                                                    | Data Collection Appraisal Procedures<br><a href="#">W CEOS EO Data Collection Appraisal Procedure.docx</a>                                                        | Iolanda Maggio (ESA/Starion)                  | 10:50 | 04:50 |
| <b>8.2</b>                                                                    | LSI-VC Framework to Support the Unlocking of Commercial EO Archives for the Public Good<br><a href="#">W Concept Note CEOS LSI-VC Unlocking EO Archives .docx</a> | Maggie Arnold (Geoscience Australia, LSI-VC)* | 11:05 | 05:05 |
| <b>8.3</b>                                                                    | CEOS Purge Alert Procedure                                                                                                                                        | Mirko Albani (ESA)                            | 11:30 | 05:30 |
| <b>8.4</b>                                                                    | NASA Archive Cloud Policy                                                                                                                                         | Doug Newman (NASA)                            | 11:45 | 05:45 |
| <b>8.5</b>                                                                    | Software Preservation White Paper Concept and Status                                                                                                              | Iolanda Maggio (ESA/Starion)                  | 12:05 | 06:05 |
| <b>8.6</b>                                                                    | OAIS reference Model and Typology of Archive - Use Cases                                                                                                          | Iolanda Maggio (ESA/Starion)                  | 12:25 | 06:25 |
| <i>Discussion/buffer</i>                                                      |                                                                                                                                                                   |                                               | 12:45 | 06:45 |
| <b>Lunch Break</b>                                                            |                                                                                                                                                                   |                                               | 13:00 | 07:00 |
| <b>Session 9: Heritage Dataset Recovery</b><br><i>Moderator: Mirko Albani</i> |                                                                                                                                                                   |                                               |       |       |
| <b>9.1</b>                                                                    | Status of AVHRR data recovery work                                                                                                                                | Mirko Albani (ESA)                            | 14:00 | 08:00 |
| <b>9.2</b>                                                                    | Updated differences between AVHRR L1b/1c satellites products                                                                                                      | Sergio Folco (ESA/Starion)*                   | 14:20 | 08:20 |

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| <b>9.3</b>                                                                    | CSIRO & Uni Bern AVHRR Project Alignment TBC | Matt Paget (CSIRO)              | 14:30 | 08:30 |
| <b>9.4</b>                                                                    | Heritage Dataset Recovery                    | Sergio Folco (ESA/Starion)*     | 14:40 | 08:40 |
| <b>9.5</b>                                                                    | C3S Data Rescue Projects                     | Andrzej klonecki (SPASCIA, FR)* | 15:00 | 09:00 |
| <i>Discussion/buffer</i>                                                      |                                              |                                 | 15:20 | 09:20 |
| <b>Coffee Break</b>                                                           |                                              |                                 | 15:30 | 09:30 |
| <b>Session 10: AI/ML</b><br><i>Moderator: Yousuke Ikehata / Maral Bayaraa</i> |                                              |                                 |       |       |
| <b>10.1</b>                                                                   | AI/ML White Paper Report                     | Yousuke Ikehata (JAXA)          | 15:50 | 09:50 |
| <b>10.2</b>                                                                   | EO Advanced AI Assistant                     | TBC                             | 16:10 | 10:10 |
| <b>10.3</b>                                                                   | AI-based Compression                         | TBC                             | 16:25 | 10:25 |
| <i>Discussion/buffer</i>                                                      |                                              |                                 | 16:40 | 10:40 |
| <b>Adjourn</b>                                                                |                                              |                                 | 17:00 | 11:00 |



## Day 4: Thursday, 16th October, 2025

Location: TBC

Webex line: TBC

| Item                                                             | Topic                                                                          | Presenter<br><i>*remote</i>                        | Time<br>(CET) | EST   |
|------------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------|---------------|-------|
| <b>Session 11: Interoperability Handbook and Maturity Matrix</b> |                                                                                |                                                    |               |       |
| <i>Moderator: Nitant Dube</i>                                    |                                                                                |                                                    |               |       |
| <b>11.1</b>                                                      | Session introduction                                                           | Nitant Dube (ISRO, WGISS Vice-Chair)               | 09:00         | 03:00 |
| <b>11.2</b>                                                      | Vocabulary (Semantics)                                                         | Peter Strobl (EC-JRC, LSI-VC Co-lead)              | 09:10         | 03:10 |
| <b>11.3</b>                                                      | Architecture                                                                   | Alex Leith (SEO/Auspatious),<br>Mirko Albani (ESA) | 09:25         | 03:25 |
| <b>11.4</b>                                                      | Interface                                                                      | Damiano Guerrucci (ESA)                            | 09:40         | 03:40 |
| <b>11.5</b>                                                      | Policy                                                                         | Nitant Dube (ISRO, WGISS Vice-Chair)               | 09:55         | 03:44 |
| <b>11.6</b>                                                      | Maturity Matrices: Data Management & Stewardship, Cal/Val and Interoperability | Iolanda Maggio (ESA/Starion)                       | 10:10         | 04:10 |
| <i>Discussion/buffer</i>                                         |                                                                                |                                                    | 10:25         | 04:25 |
| <b>Coffee Break</b>                                              |                                                                                |                                                    | 10:50         | 04:50 |

## Session 12: Interoperability Demonstrators

*Moderator: Nitant Dube*

|                                                                          |                                                                                                                                                                                                                              |                                                     |       |       |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-------|-------|
| <b>12.1</b>                                                              | WGCV demonstrator: Surface Reflectance Quality and Consistency                                                                                                                                                               | Medhavy Thankappan (GA, WGCV Vice-Chair)*           | 11:10 | 05:10 |
| <b>12.2</b>                                                              | WGDisasters demonstrator: Supersites                                                                                                                                                                                         | TBC                                                 | 11:50 | 05:50 |
| <b>12.3</b>                                                              | Decision-ready data                                                                                                                                                                                                          | Nitant Dube (ISRO, WGISS Vice-Chair)                | 12:20 | 06:20 |
| <i>Discussion/buffer</i>                                                 |                                                                                                                                                                                                                              |                                                     | 12:40 | 06:40 |
| <b>Lunch Break</b>                                                       |                                                                                                                                                                                                                              |                                                     | 13:00 | 07:00 |
| <b>12.3</b>                                                              | WGClimate Climate Data Record (CDR) Inventory Overview <ul style="list-style-type: none"> <li>➤ Discussion: WGISS support via tools &amp; best practices</li> <li>➤ Discussion: CDR Interoperability Demonstrator</li> </ul> | Jörg Schulz (EUMETSAT), Alexandra Nunes (EUMETSAT)* | 14:00 | 08:00 |
| <b>12.4</b>                                                              | Discussion: brainstorming other Interoperability demonstrators                                                                                                                                                               | All                                                 | 14:45 | 08:45 |
| <b>Session 11: Interoperability Handbook and Maturity Matrix (cont.)</b> |                                                                                                                                                                                                                              |                                                     |       |       |
| <i>Moderator: Nitant Dube</i>                                            |                                                                                                                                                                                                                              |                                                     |       |       |
| <b>11.7</b>                                                              | Quality                                                                                                                                                                                                                      | Cody Anderson (USGS, WGCV Chair)*                   | 15:10 | 09:10 |
| <b>11.8</b>                                                              | Interoperability Handbook <ul style="list-style-type: none"> <li>➤ <b>Decision:</b> recommendation from WGISS to proceed with endorsement at CEOS Plenary</li> </ul>                                                         | Nitant Dube (ISRO, WGISS Vice-Chair)                | 15:30 | 09:30 |
| <b>Coffee Break</b>                                                      |                                                                                                                                                                                                                              |                                                     | 15:40 | 09:40 |

## Session 13: CEOS Common Dictionary

*Moderator: TBC*

|             |                                                |                                                     |       |       |
|-------------|------------------------------------------------|-----------------------------------------------------|-------|-------|
| <b>13.1</b> | Overview of CEOS Common Dictionary             | Peter Strobl (EC-JRC), Dominik Weckmüller (EC-JRC)* | 16:00 | 10:00 |
| <b>13.2</b> | Review of tricky terms<br>➤ Term 1<br>➤ Term 2 | All                                                 | 16:20 | 10:20 |
|             | <i>Discussion/buffer</i>                       |                                                     | 16:40 | 10:40 |
|             | <b>Adjourn</b>                                 |                                                     | 17:00 | 11:00 |

## Day 5: Friday, 17th October, 2025

Location: TBC

Webex line: TBC

| Item                                                                                  | Topic                                                                                  | Presenter<br><i>*remote</i>                                         | Time<br>(CET) | EST   |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------|-------|
| <b>Session 14: Closing Session</b>                                                    |                                                                                        |                                                                     |               |       |
| 14.1                                                                                  | Communications Update                                                                  | Libby Rose (WGISS Secretariat)                                      | 09:00         | 03:00 |
| 14.2                                                                                  | Action Review                                                                          | Libby Rose (WGISS Secretariat)                                      | 09:15         | 03:15 |
| 14.3                                                                                  | Closing Remarks<br>➤ Future Leadership<br>➤ Future Meetings                            | Tom Sohre (USGS, WGISS Chair), Nitant Dube (ISRO, WGISS Vice-Chair) | 09:45         | 03:45 |
| <b>Coffee Break</b>                                                                   |                                                                                        |                                                                     | 10:00         | 04:00 |
| <b>Session 14: Digital Twins</b><br><i>Moderator: Yousuke Ikehata / Maral Bayaraa</i> |                                                                                        |                                                                     |               |       |
| 14.1                                                                                  | Harmonization of Mutli-Resolution Geospatial Data in GeoSpatial Digital Twin Framework | J.Narendran (ISRO/NRSC)*                                            | 10:20         | 04:20 |
| 14.2                                                                                  | Irish National Framework for Digital Twins                                             | Alastair McKinstry (ICHEC)*                                         | 10:40         | 04:40 |
| 14.3                                                                                  | Discussion: What is a Digital Twin?<br>➤ Scope of the White Paper                      | Maral Bayaraa (UKSA), Yousuke Ikehata (JAXA)                        | 11:00         | 05:00 |
| <b>Adjourn / Lunch</b>                                                                |                                                                                        |                                                                     | 12:00         | 06:00 |



## **Detailed Connection Information**

TBC