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MEETING OF THE  
Expert Team on WORLD DATA CENTRES  
(NILU, Kjeller, Norway, 2-5 October 2017)

## PROVISIONAL AGENDA

### Monday (14:00 – 17:00)

- |    |  |                  |
|----|--|------------------|
| 0. | Welcome, practical arrangements (15')  | NILU<br>Braathen |
| 1. | Introduction of participants (30')<br>Approval of agenda, denoting meeting rapporteur<br><i>Doc 1.1 – Provisional agenda (this document)</i><br><i>Doc 1.2 – List of participants (to be completed during meeting)</i> | All              |
| 2. | Report by chair ET-WDC, including objectives of meeting (15')<br><i>Doc 2.1 – Report by chair</i>  | Klausen          |
|    | Coffee break (30')   |                  |
| 3. | Reports by WDCs (10' each)   |                  |
|    | 3.1 WDCA   | Fiebig           |
|    | 3.2 WDCRG  | Tørseth          |
|    | 3.3 WDCGG  | Ueno             |
|    | 3.4 WOUDC  | Kralidis         |
|    | 3.5 WRDC   | Tsvetkov         |
|    | 3.6 WDCPC  | Gay              |
|    | 3.7 WDC-RSAT   | Meyer-Arnek      |

### Tuesday (09:00 – 17:00)

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|----|--|--|
| 4. | NextGEOSS (60')  |  |
|    | 4.1 <i>Overview and introduction to WP3: Data Federation and Uptake</i>  | Meyer-Arnek  |
|    | 4.2 <i>Introduction to T3.4: Atmosphere and link to GAW Implementation Plan</i>  | Klausen  |
|    | <i>Discussion</i>  | All  |
|    | Coffee break (30')   |  |
| 5. | Experiences with interoperability and advice on how to build the intended federated GAW data management system (carte blanche for ET-WDC members and invited guests, 15' each) | (Godoy)<br>Starkweather<br>Schultz<br>Welton<br>Chen, Quam |
|    | Lunch break (12:00-13:30, 90')   |  |

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6. WIGOS metadata representation, model and schema (60') Klausen  
Coffee break (30')

7. Metadata work-flows (120') All  
*Looking at the WIGOS metadata schema, establish what information should come from where (source-sink relationships). This requires knowledge about the present metadata model at each data center.*

### Wednesday (09:00 – 17:00) – “Tech day”

8. How to work with XSD and XML (60') Kralidis  
Coffee break (30')

9. Technology stacks in use at WDCs / other archives and how machine-to-machine access is supported today, current work plans for next 12 months  
9.1 WDCA, WDCRG, EMEP (incl. OAI-PMH server) Fiebig  
9.2 WDCGG Ueno  
9.3 WOUDC Kralidis  
9.4 WRDC Tsvetkov

Lunch break (12:00-13:30, 90')

9. Continue  
9.5 WDCPC Gay  
9.6 WDC-RSAT Meyer-Arnek  
9.7 GAWSIS Klausen  
9.8 MPLNet Welton  
9.9 ICOS Vermeulen  
9.10 Nasa data centres Chen, Quam  
9.11 ...

Coffee break (30')

10. Identify the gaps in current set-up and implementation planning All  
- *Do we know our current and potential users and their needs?*  
- *Can we identify key use cases (assessments, services, etc.) which can be used to showcase the “GAW data infrastructure”, and serve as benchmark for achievements in interoperability?*  
- *What is most urgently needed for GAW to be recognized as one data infrastructure?*  
- *What are the largest impediments for achieving interoperability?*  
- *What are the “low-hanging fruit” to improve data and metadata services?*  
- *Collaborative development and open source options*

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**Thursday (09:00 – 12:00)**

11. Align the individual data center work plans with the Programme objectives by identifying specific actions and milestones (90') All
- *Harmonization of metadata*
  - *Harmonization of service architectures (e.g. URLs of REST services)*
  - *Harmonisation of at least one data format ((Geo)JSON?)*
  - *Controlled vocabulary*
- Coffee break (30')
12. Draft work plan for NextGEOSS / GAW Federated Data Management (30') All
13. Conclusions & Wrap-up (30') Klausen