

## **Arctic Observing Summit 2020**

### **Working Group 4 Schedule and Agenda**

**Note 1:** The following agenda outlines topics that we plan to discuss in each session. However, in recognizing that not all participants will be able to attend all sessions, any topic of interest can be discussed during any session. Each session will be recorded and made available for reference.

**Note 2:** A video presentation providing background information will be provided through the AOS Agenda website (<https://aos2020agenda.org/>) by March 28<sup>th</sup>, 2020

#### Session Times

Session 1, 31 March, 08:00 - 11:00 GMT;

Session 2, 31 March, 14:30 - 17:30;

Session 3, 1 April, 09:30 - 12:00;

Session 4, 1 April, 14:30 - 16:00;

Session 5, 1 April, 21:30 - 00:00 GMT. (Statement writing session)

Session 6, 2 April, 11:00 - 13:00 GMT. (Statement writing session)

#### **Session 1**

Introductory session

- Overview of recent Arctic and polar data community activities
- Review of submitted white papers : see <https://arcticobservingsummit.org/aos-2020-white-papers-and-short-statements>. (Lead authors: Andersen; Barry; Manley; Andersen)
- Introduction to the SAON road mapping process (ROADS)
- Review of relevant global initiatives
- Group discussion to confirm important themes, topics, technologies, developments etc.

#### **Session 2**

Discussion of status, requirements and developments related to foundational elements:

- Metadata interoperability and federated search
- Documenting observing system assets (Manley et al. White Paper)
- Semantic interoperability

### **Session 3**

Discussion of status, requirements and developments related to:

- Community building
- Enhancing broad engagement of users, rights-holders, stakeholders etc.
- Engaging with global level initiatives

### **Session 4**

Discussion of status, requirements and developments related to:

- Emerging methods and technologies: machine learning and artificial intelligence, E-Science, cloud platforms, model-based science
- Developing end-to-end observing systems: sensor or observer to long-term data preservation

### **Sessions 5,6**

Writing session to summarize and synthesize AOS discussion. The goal is to develop a summary statement similar to that resulting from the Polar Data Planning Summit and the 2018 Arctic Observing Summit.

See [https://arcticdc.org/images/download/ASM2\\_Deliverable\\_Statement\\_Data.pdf](https://arcticdc.org/images/download/ASM2_Deliverable_Statement_Data.pdf)