Meeting Agenda & Minutes

When	2022-03-22 17:00 UTC
Where	Join Zoom Meeting https://uvic.zoom.us/j/87977302371?pwd=Q0pVM0FjdzIzNDNnanNFOUw0MXppUT09 Meeting ID: 879 7730 2371 Find your local number: https://uvic.zoom.us/u/keliZqo6zp

Minutes

1. Participants
   a. Shannon, Matt, Heidi, Chantelle,
2. Adoption of the agenda
   a. Adopted
3. Review of the minutes of the previous meeting
   a. 2022-01-18
      i. Approved
4. Review of open action items
   a. **Action:** Pier Luigi will put the open letter on Zenodo.
      i. Signing is stopped; **Øystein** to contact Pier Luigi on this.
      ii. Status on distribution of the open letter with signatures
          1. Spreadsheet for tracking distribution
5. Leadership of the working group
   a. **Set up a quick meeting between Shannon, Chantelle and Jan Rene, Pier Luigi and Heidi.**
      i. **Jan Rene will initiate a doodle** *(still needed)*
   b. Discussion on whether to move the time of the meeting. It was suggested to move the meeting time to 17:00 UTC.
      i. Does this time still work for everyone/ REMINDER: Daylight savings will happen next month
6. Any progress on the Shared Arctic Variables (SAV)? (Bill)
   a. AOS to host a session related to SAV's
7. Status on merging documents with semantic resources (Chantelle and Bill)
   a. The merged document is available at https://docs.google.com/spreadsheets/d/1mTvCH2995l73uqJa2Lt3KaIqsGxdy8CdraF7wPQc1D4/edit#gid=753078636
   b. Need to further develop the matrix and focus on developing this towards a document published as a contribution from the WG.
          1. Explicitly each row has to get a proper description of purpose etc.
          2. **Chantelle and Bill to push this.**
      ii. After this a how to use document of 1-2 pages should be developed and published.

1. To be initiated after a description is entered into the matrix document.

OLDER AGENDA ITEMS:

8. Status of the online representation of the matrix of harvesting relationships including discussions on metadata crosswalks
    a.
9. Following the discussion on AI during previous meetings
    a. Pier Luigi has suggested that this group should engage in https://en.unesco.org/artificial-intelligence.
    b. See e.g. https://en.unesco.org/artificial-intelligence/ethics for ethics aspects.
    c. AI is questioned in some contexts but is also something we need to relate to. Pier Luigi mentioned that the ethical perspectives have to be strengthened and representativeness sought. This group is open to participation. Pier Luigi mentioned that the Arctic community could give valuable input to this activity as most communities are concerned with machine learning and not knowledge representation. This group could bring the indigenous perspective into the discussion. SiriJodha indicated some interest in the previous meeting.
    d. Discussion to be continued...
10. Awareness updates (roundtable)
    a. Mark updated about work at NCEAS developing ontology (RDF/OWL) for MOSAIC Expedition data. They also created ontologies for data used in the Arctic Report Card (RDF/OWL). These ontologies are both used to enhance the "FAIR" aspects of the datasets that NCEAS is archiving in the Arctic Data Center (https://arcticdata.io). Ontologies from my group can be seen here– https://ontologies.dataone.org. If questions, feel free to contact Mark, as these Ontologies were developed to provide specific services to specific projects.
    b. Mark suggested it would be useful if participants share updates on their own Arctic-Semantics-relevant work from their various projects. On hold, to be addressed if time
11. No time for items below.
12. Polar Semantics Planning Matrix updates - **Peter** and **Ruth**
    i. The matrix is available at Matrix of metadata harvesting relationships
    ii. The matrix and other materials from this family of meetings are being documented in two papers:
        1. PDPS White Paper Draft - Harvesting Portion (Peter)
        2. Matrix with additional fields as discussed during a WG meeting in 2020 for consideration on the new triple store to support this activity.
            a. https://docs.google.com/spreadsheets/d/1m_xBrpW6EqqZ4o Rzc5kZkpt4c8h6qqGmJIVcd9BJCpc/edit#gid=1643486333
            b. Update on status
                i.
        3. PDPS White Paper Draft - Recommendations Portion (Rut)
            a. Update on status
                i.
    b. Discussion of the concepts *data, information and knowledge* and whether existing definitions we are working with applies in a broad sense, including local and traditional/indigenous knowledge. - **Rebekah**

      i. Discussion of issues raised in the 2020-12-15 meeting.
     ii. Concepts being discussed now are:
        1. Data
          a. *A set of values, symbols, or signs (recorded on any type of medium) that represent one or more properties of an entity. For example, the numbers generated by a sensor, values derived from a model or analysis, text entered into a survey, or the raw text of a document*
        2. Information
          a. *Products derived from data that lead to a greater understanding of an entity. For example, (i) the interpretation of a range of data from an array of conductivity sensors across the Arctic Ocean that informs us about that ocean's salinity range or (ii) the narrative text of a report on harmful algal blooms that informs the reader on the timing of these blooms.*
        3. Knowledge
          a. *An abstract representation (i.e. a mental model) of an entity which: (i) is constructed from a substantial collection of information, (ii) grants its bearer reliable familiarity with that entity, and (iii) can be used to reason and take action about that entity. For example, an expert with knowledge about the salinity range of the Arctic Ocean (constructed from large amounts of information on the topic) would be able to reason that a salinity value of 43% is a likely error, rather than a real measurement.*
        4. It was in the previous meeting we agreed that a living process that can be adapted as we continue engagement is required. How do we address this?
        5. It was in the previous meeting suggested that a joint statement towards e.g. Arctic Council outlining activities, goals, objectives, requests etc. is developed together with other relevant groups. How do we address this?

c. Following discussions on the 2020-08-18 meeting, discuss definitions of data and datasets that could be used in the Arctic Community - **Rebekah/Pier Luigi**
      i. Background material
        1. The UN Decade of Ocean Science for Sustainable Development Implementation Plan v2.0. (**See glossary for definitions of data, information, knowledge, and digital knowledge** ; note we had to tone down the technical aspects as this document goes to the GA) : https://www.oceandecade.org/assets/uploads/documents/Ocean-Decade-Implementation-Plan-Version-2-0-min_1596634145.pdf
        2. IWG-SODIS https://iode.org/index.php?option=com_content&view=article&id=598:inter-sessional-working-group-to-propose-a-strategy-on-ocean-data-and-information-stewardship-for-the-un-ocean-decade-iwg-sodis&catid=65&Itemid=89

3. A dedicated channel in the Slack space has been set up to capture discussions between meetings.
d. A paper/report on the Polar Vocabularies Questionnaire - **Pier Luigi**
   i. **Pier Luigi** is exploring this with support from Ruth, Mark and Øystein.
      1. Link to responses: Polar Vocabularies (Responses)
      2. See previous minutes for details.
      3. Update on status
         a.
e. Regular interoperability workshops debriefs and plans - **Rebekah/Øystein**
   i. Lessons learned in the September 2nd workshop that should be further discussed
      1. https://github.com/POLDER-Crew
      2. Polar practices recommendations for implementing schema.org is the short term goal

13. Next meeting
    a. Agreed to do the third Tuesday of the month, at 17:00 UTC.
       i. https://www.timeanddate.com/worldclock/converter.html?iso=20220118T170000&p1=18&p2=75&p3=179&p4=1440&p5=136&p6=187&p7=101
       ii. Next meeting will be Tuesday 15th February.
    b. Since not everyone is using Slack, emails should be circulated for each meeting.