

Session GI4.5: Arctic observations: data collection, management, and user engagement

Conveners: Stein Sandven, Øystein Godøy, Torill Hamre, William F. Manley, Roberta Pirazzini

Chat session Thursday, 07 May, 14:00–15:45 CET

Instructions for presenters:

- All 15 presentations (displays) in the session are uploaded and available for viewing/commenting
- During the chat session each display will only have ca 5 minutes for discussion, led by the convener. The sequence is shown in slide 2 and 3
- Each presenter must prepare a few sentences introducing your work and providing the main conclusions. We recommend that you prepare this text in advance and copy-paste it into the chat just after you have been introduced by the moderator.
- After your introduction the session is open for questions
- When all displays have been presented, there will be a general discussion of some Arctic observing issues (see slide no. 4)
- Read “How to use the chats” explaining how to enter the session and what to do as presenter (author), see https://egu2020.eu/sharing_geoscience_online/how_to_use_the_chats.html
- It is very helpful to watch the youtube video explaining step by step what to do as presenter. <https://www.youtube.com/watch?v=xTCPKDmgSVw>

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Sequence of displays (1h 15min)

Multidisciplinary and pan-Arctic initiatives | MODERATOR: William Manley

- D740 | EGU2020-22498: Peter L. Pulsifer
- D741 | EGU2020-22420: Jan Rene Larsen
- D742 | EGU2020-20091: Roberta Pirazzini
- D743 | EGU2020-20559: Torill Hamre
- D744 | EGU2020-22212: Finn Danielsen

• Multidisciplinary regional initiatives | MODERATOR: Stein Sandven

- D745 | EGU2020-22199: Øystein Godoy
- D746 | EGU2020-22427: Dariusz Ignatiuk
- D747 | EGU2020-7126: Ole Jakob Hegelund

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Sequence of displays (Total: 1h 15min)

Initiatives addressing the Arctic ocean and sea-ice | MODERATOR: Stein Sandven

- D748 | EGU2020-20347: Hanne Sagen
- D749 | EGU2020-22171: Bin Cheng
- D750 | EGU2020-5077: Trine S. Dahl-Jensen

• Initiatives addressing the Arctic atmosphere | MODERATOR: Roberta Pirazzini

- D751 | EGU2020-8496: Alexandra Touzeau
- D752 | EGU2020-22424: Emanuele Pica

• Initiatives addressing the Arctic terrestrial cryosphere | MODERATOR: Roberta Pirazzini

- D753 | EGU2020-9543: Annett Bartsch
- D754 | EGU2020-13842: Francisco Navarro

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Discussion topics after presentations (ca. 30 min):

1. There are **many programmes and projects** contributing to Arctic observations, most of them are bottom-up driven by research communities. This leads to many observing systems, which are not necessarily coordinated or standardised. How can we build better data sharing between different observing systems ?
2. **Data management** across the numerous observing systems is challenging, because there are lack of standards regarding parameters and metadata, and the routing of the data from the data producers to the data managers can be complex
3. Variable **level of openness** and compliance with FAIR (Findable, Accessible, Interoperable, Reusable) and CARE (Collective benefit, Authority to control, Responsibility and Ethics)
4. As a **data producer**, what do you see as major obstacles ?