

GEO Cold Regions for 2023-2025 online meeting in August

Draft Minutes

Attendees: Hiroyuki Enomoto (Japan), Vito Vitale (Italy), Tonghua Wu (China), Hanna K Lappalainen (Finland), Daqing Yang(Canada), Jinghui Fan(China), Yubao Qiu (China)

Online Meeting: Zoom

Time: 13:30-15:00 (UTC time), 10, August

Chair and Minutes: Yubao Qiu

1. Background and Aim:

The GEO Cold Regions Initiative was included in the draft consultant version of GEO 2023-2025, which is now under review openly until 31, August. It is in an iteration review, is a living document.

The meeting aim is to furthering foster the document to be an implementation version of new GEOCRI WP. Yubao made an introduction to the IP document, seek comments on the tasks.

2. Discussion Topics

a) Tasks Discussion

The tasks of GEOCRI includes 3 fundamental tasks (FTs), and 4 pilot service of practices (PSP) (see table below) this moment.

Table 1. Fundamental Tasks (FT) in GEO Cold Regions Initiative

Fundamental Task (FT)	
FT1: Essential Cold Regions Variables (ECRVs) [Variables]	Vito Vitale, Yubao Qiu...
FT2: Collections of Data Repositories and Data Interoperability [Data]	
FT3: Data product criteria and assessment for service practices [Service]	Tonghua Wu, Hiroyuki Enomoto

Pilot Services Practice Task (PS)	Contributors
PS1: Interaction on addressing the SDGs in cold regions by big data	Yubao Qiu, Vito Vitale (network and ongoing activities to the Fundamental tasks), Hanna Lappalainen.
PS2: Information service for shipping advisory in sea ice-rich areas	(iceberg tracking - Vito Vitale)
PS3: Water resource management in cold regions	Massimo Menenti
PS4: Service to the emergency disaster mitigation in cold regions	Jinghui Fan, Daqing Yang

- ✧ **FT1:** For ECRV, it was suggested to contact with GCW/WMO, SAON, look at the pictures for the complementary, demonstrating the difference, and seeking the gap filling capabilities – Need to connect with other initiatives to find synergy, for example, ArcticPassion project - PS2, is there any overlap?

Action: start the process for the discussion next month, while before that, recalling for the last meeting in July, it would be good to **contact Jeff Key one of the actions, or wait for the feedback from Dr. Dominique (WMO), Yubao already has contacts with Dom about the progress of GEOCRI early time of this month.**

Minutes of July Meeting: It was proposed to have people on the joint task about the essential variables with GCW (ECryoV), and it would be a cross effort (jointly) and doable at this moment. Jeff Key would share this information to GCW, see the potential people for this initiative to have a common aim (jointly).

Who can be filled to the tasks, who will be leading this task, see the table above.

- ✧ **FT2:** Data: Hiroyuki mentioned that it needs to find the gaps in the GEOSS system (GEOSS portal) for cold regions, and we don't need to have a new one database, while need collecting and analyzing, or synergy other systems, no one public project existing, what we can do for this project? Interoperability is needed for the collections of repositories.

Action: Yubao contact Dr. Peter Pulsifer for the further information on the data part?

- ✧ **PS4:** Focus the emergency specifically, Dr Daqing mentioned the cross-cutting in TPE program - disaster is one of the missions of new research area, e.g., flooding, GLOF, landslide, ice collapse, see the possibility, and Jinghui have interests on it.
- ✧ Comments about PS, now the PS is still very big, which need to be practical, suggest to have a tangible aim or title for the pilot services.

Actions: [all] Please all make comments to get a new title for each PSs and FTs.

- ✧ **FT3:** Tonghua suggested to change the title to “assessment of cryosphere service” talking about service only. It was agreed to keep this task on services, which can be criterial and fundamental theory of establishing the data flow for service (Hiroyuki).

Actions: The title need to be changed accordingly (Dr. Tonghua, Dr Hiroyuki helping).

b) Endorsement

The policy endorsement is important to the Program development, as this leads to a strong basis to keep the program ongoing. It is needed also for GEOCRI. An endorsement is from YOPP at 2015 with a signed document.

It was suggested to have more potential policy level or program level support from the UN agencies, governmental organization, or international program, which is needed in the later.

3. Next meeting:

- ✧ Next meeting will be in September, the topics is about the FT1 task, we may invite new members for join.

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