

GEO Cold Regions 2023-2025 Planning Meeting

Minutes@2022.03.15

Participants (with self-introduction, ordered by surname):

- ✧ Hiroyuki Enomoto (Japan): sea ice/WMO/GEO
 - ✧ Jeff Key (U.S.): NOAA, WMO/GCW, satellite observations, snow and ice, polar/remote sensing, PSTG;
 - ✧ Hanna Lappalainen (Finland): INAR-UH, land and atmosphere interaction, arctic, ins-situ measurement, network;
 - ✧ Xin Li (China): CAS remote sensing, Tibetan plateau, data center, CASEarth, three poles, UN SDGs, WMO/GCW;
 - ✧ Massimo Menenti (Netherlands): Water cycle, Netherland/China;
 - ✧ Yubao Qiu (China): remote sensing, snow and ice, Arctic, information services for *HiMAC*
 - ✧ Vito Vitale (Italy): Italy Arctic, and National Data Center (*Meeting in advance on the same day*)
 - ✧ Xi Zhao (China): Rep. of Xiao Cheng (China), Sea ice, remote sensing, Antarctic specially
 - ✧ Douglas Cripe (GEO Sec): about the last development of GEOSS (*Meeting in advance on the same day*)
- ✧ Ellsworth LeDrew (Canada): Time wasn't available, will check the minutes.
- ✧ Stein Sandven (Norway), busy time with the EU-H2020 report, this period

Meeting time:13:30-15:00, 2022-3-15

The meeting was chaired by Yubao, all participants made quick self-introduction (see above). Yubao briefed the background of GEOCRI and the lost of its GEO WP for 2020-2022, recalled the situations and the new GEP WP for 2023-2025. Most of the material were uploaded in the www.geocri.org websites, but not include the milestones and deliverables documents for GEOCRI 2017-2019. He asked for more material if that could be provided.

1. Background updated by email and meeting online before start

The email exchanges and meetings were reported by Yubao to co-leads, these are,

GEO Sec (Dr. Doug Cripe, 1 hour meeting), points are:

- ✧ The new GEOWP will be more about the development of services, put the data/observations down to the stakeholder's level.
- ✧ Earth observations service (value added) oriented, apply the pilot initiative firstly.
- ✧ Suggest to keep this name – *GEO Cold Regions* (*echoed the same voice from co-leads*)

Dr. Vito Vitale (Italy, Co-lead, 0.5 hours), points are,

- ✧ Be happy to join and commitment to this development
- ✧ Reinforce the future, he is on board both GEOCRI and SOAN (ArcticGEOSS), suggested to include the coordination sentence in the programme.
- ✧ Resources: Leads EU-H2020 project; Italy Arctic Data Center, and its national Arctic Programme;

The email, exchanged with *Siri Jodha Khalsa*, *Bente Lilja Bye* and several international bodies, voiced that “GEOCRI is a worthy effort”, “it is worth a while to do that”, “keep in the loop seeing its development”, and “enhance the synergy”.

3. Discussion and Update by co-leads

Yubao reported that, GEO Cold Regions can start from new GEO activities, see more

https://www.earthobservations.org/geoss_wp_23_25.php, it need to align with the GWP_2023-2025-Criteria-
[gwp_23_25_criteria.pdf](#) and Ethical Standards - [gwp_23_25_ethical_standards.pdf](#).

A framework of GEO Cold Regions for 2023-2025 was proposed and discussed and open for revision and input.

Framework for Pilot Initiative (discussed), this needs to submit by the end of this month (6-8 pages)

- **Title:** *Practice of Pilot Services for GEO Cold Regions (Please advised)*
- **Introduction** (background): *about the GEO CRI and its relevant background (observations, networks, data sharing, and lead to new development on the pilot services)*
- **Data or Observations:** *resource that GEO CRI could use for services*
- **Pilot Services:** categories (Action: Inventory for the services for cold regions)
 - ◆ *Security Water Availability*
 - ◆ *Sustainable Development (UN SDGs)*
 - ◆ *Safety Transportation: e.g., Arctic Sea routes*
 - ◆ *Emergency actions and adaption*
 - ◆ *more...*
- **Organization and Participants:** *GEO CRI has a good background.*
- **Resources:** *(list of projects, tools, in-kind contributions)*
- Abbreviations and Reference

3. Organizing mechanism

- ✧ **Co-Lead Team:** discuss the [ToR online](#) (check online), seek chance for an endorsement, which can secure the operations.
- ✧ Sec. for CRI (online sec., pending), could discuss later.
- ✧ CRI editors for new plan drafting.

4. Next call

- ✧ Plan a call with all participants