GEO Mountains Task Group 2.4

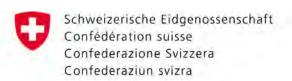












Swiss Agency for Development and Cooperation SDC

Housekeeping

20 YEARS

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- ☐ Kindly mute yourselves when not speaking
- ☐ Please "raise your hand" to request the floor
- ☐ The meeting is being recorded
- ☐ Brief notes will be circulated afterwards





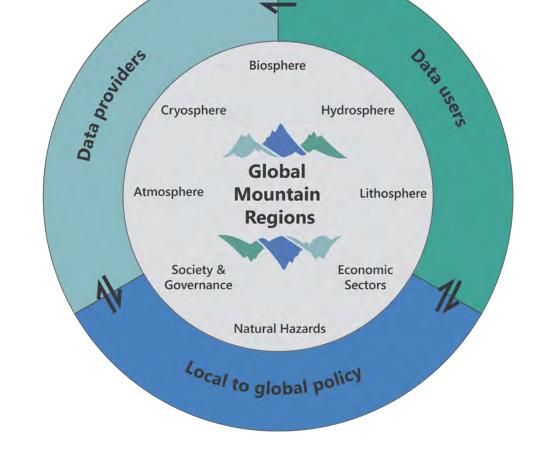


The Global Network for Observations and Information in Mountain Environments

An Initiative of the Group on Earth Observations (GEO) co-lead by the Mountain Research Initiative (MRI) & the National Research Council of Italy

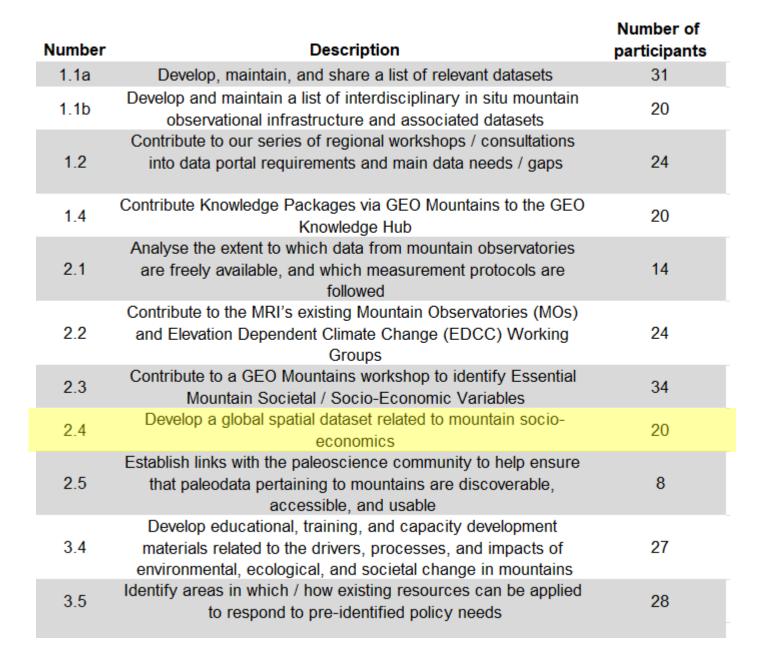
Objectives:

- ☐ To identify and satisfy the data and information needs of a diverse range stakeholders operating in the mountain sphere
- ☐ To improve monitoring and understanding of mountain processes and phenomena, especially under change
- ☐ To build, connect, and communicate with the community of mountain researchers, practitioners, and policy makers
- ☐ To develop collective reporting capacity that responds to preidentified assessment and policy needs





Task Groups











- ☐ To develop a novel spatial layer (or set of layers) pertaining to the **socio-economics of mountain regions** (perhaps combined in an index or indices)
 - Most likely will involve integrating existing data layers, rather than developing entirely new products (although that is also possible too)
- Extent should be **global**, but spatial resolution should also be sufficiently high to capture important local-scale variability driven by e.g. complex topography and other "mountain-specificities"
- □ Should **help to fill key data gaps** in the quest to characterize the current nature of, and reliably project future aspects of, complex integrated mountain socio-ecological systems (i.e. impacts of biophysical change on human populations and societies, and *vice versa*)
- □ Possible themes to consider include population and demographics, buildings and infrastructure (including exposure to natural hazards), transport, health, education, agriculture / food systems, economy / GDP, industry, energy production, (re)insurance, etc.





- Will be informed by a workshop that will seek to identify Essential Mountain Societal / Socio-Economic Variables (Task Group 2.3):
 - ☐ What are the most important variables?
 - ☐ What are the most critical data gaps?
- Recent GEO Mountains paper on human populations in the world's mountains over recent decades: spatio-temporal patterns and potential controls (see here for a brief summary)
- Others?



Expected outcomes

- □ Provision of all datasets generated for use by the community of mountain researchers, practitioners, and policy makers
- □ Publication of an article presenting and/or exploiting the dataset by the Task Group in a high-impact peer-reviewed journal

Practicalities



- ☐ We are looking for an individual or a small group to **volunteer lead this task**
- Some funding may be available from GEO Mountains to support the TG lead / leaders / members in the execution of specific sub-tasks (e.g. literature review, developing a proposal for the dataset, carrying out the work / data processing, leading the write up)
- Possibility to hold a hybrid meeting to continue progress on this task around the margins of the International Mountain Conference 2022 (Innsbruck), if that would be convenient?

Discussion

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- ☐ Questions, comments, ideas?
- ☐ Next steps?

Many thanks for your interest and contributions!

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