



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Eidgenössisches Departement des Innern EDI
Bundesamt für Meteorologie und Klimatologie MeteoSchweiz

GCOS Switzerland

Michelle Stalder, Head of Swiss GCOS Office

GCOS-Austria Meeting
12 October 2021

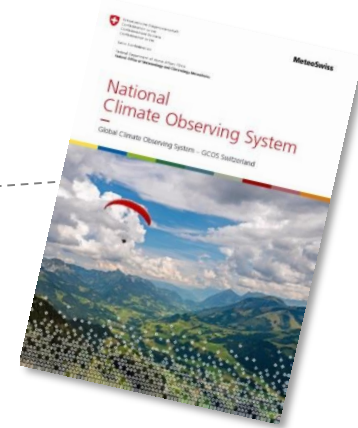
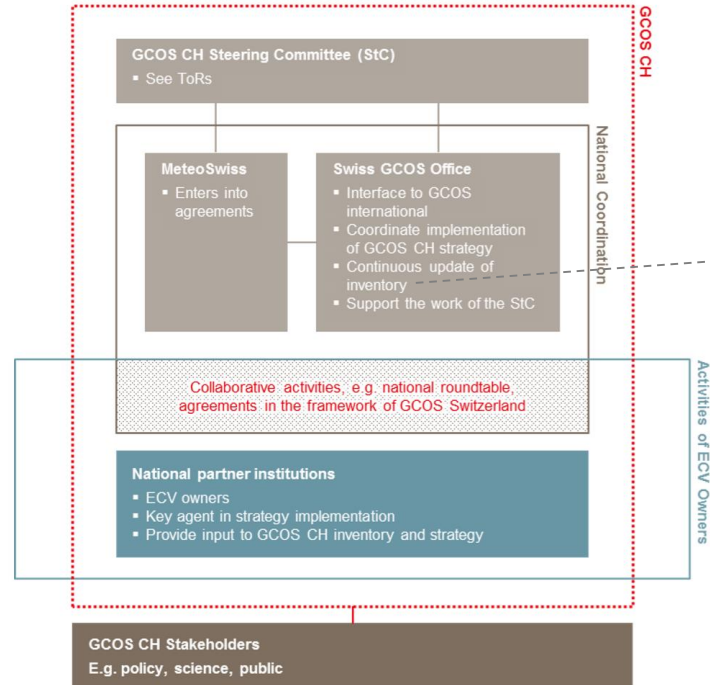


**What are we observing
in Switzerland?**

GCOS Switzerland Organization



www.gcos.ch





Activities

Legal Framework for Activities

[↶](#) | [Alles einblenden](#) | [Artikelübersicht](#) | [Alles ausblenden](#) [↷](#)

429.11


Verordnung
über die Meteorologie und Klimatologie

(MetV)

- Art. 4 Beitrag an das globale Klimabeobachtungssystem

¹ Der Bund leistet im Rahmen seiner internationalen Verpflichtungen jährlich einen finanziellen Beitrag an das globale Klimabeobachtungssystem (GCOS).

² Zu diesem Zweck können unterstützt werden:

- 
- a. Messreihen von Klimavariablen in der Schweiz;
 - b. durch Schweizer Institutionen betriebene Datenzentren;
 - c. Projekte zur Umsetzung des internationalen GCOS-Implementierungsplans.

³ MeteoSchweiz kann zu diesem Zweck Leistungsvereinbarungen mit Dritten abschliessen.

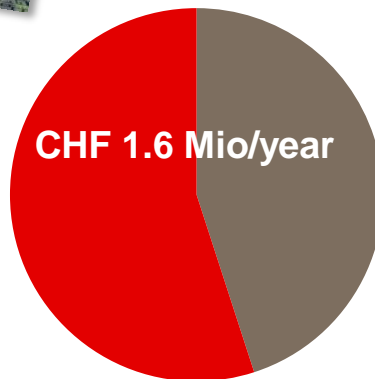
Activities

Overview

Core Task

With highest priority, **ensure the continuation** of quality assured time series and operation of international centers at risk

- if no other source of funding is available, or if existing sources of funding (including but not limited to in-kind contributions) are inadequate

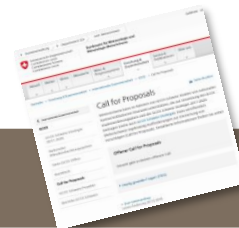


→ subject to approval of annual Federal budget by Swiss Parliament

Projects

Projects based on an open tendering procedure (call for proposals).

- in line with the GCOS IP
- contribute to the GCOS Switzerland Strategy 2017-2026.



Activities

Examples

Core Task

- Glaciers (GLAMOS)
- Permafrost (PERMOS)
- Snow Water Equivalent

- World Glacier Monitoring Service (WGMS)
- Global Energy Balance Archive (GEBA)
- Euro-Climhist

Projects

Currently, 18 projects ongoing

e.g. in the fields of

- Data rescue (glaciers)
- Satellite data retrieval (snow)
- Crowdsourcing (glaciers, permafrost)
- New methods of observation (rain)
- Communication (glaciers)

Activities

Examples

Core Task

- Glaciers
- Permafrost
- Snow Water Equivalency
- Water



Take a look at our website to see all past and current projects:

<https://www.meteoschweiz.admin.ch/home/forschung-und-zusammenarbeit/internationale-zusammenarbeit/gcos/gcos-schweiz-projekte.html>

Project

Projects ongoing

e.g. in the fields of

- Data rescue (glaciers)
- Satellite data retrieval (snow)
- Crowdsourcing (glaciers, permafrost)
- New methods of observation (rain)
- Communication (glaciers)

Activities



Thank you for your attention!

Questions?



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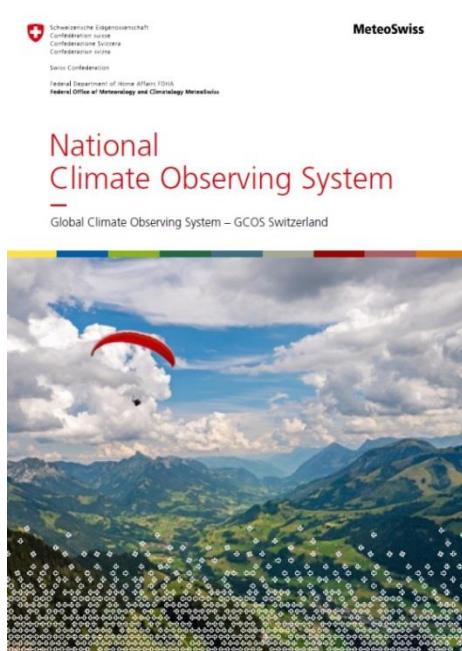
MeteoSchweiz

Inventory Report

National Climate Observing System



www.gcos.ch/inventory



MeteoSchweiz

- Inventory of
 - **33 ECVs**
 - Atmospheric observations
 - Terrestrial observations
 - Human use of natural resources
 - **2 ancillary data sets**
 - **6 international centres**
- E-publication

... only possible thanks to > 90 authors from > 20 institutions...

GCOS Switzerland

Strategy 2017-2026



www.gcoss.ch/strategy

Vision

GCOS Switzerland serves as the national framework in which all national partner institutions involved in climate monitoring engage to provide the state-of-the-art observations required for climate change adaptation and mitigation efforts in Switzerland, and to contribute to this endeavor globally, through a high-quality contribution to the international GCOS program.

