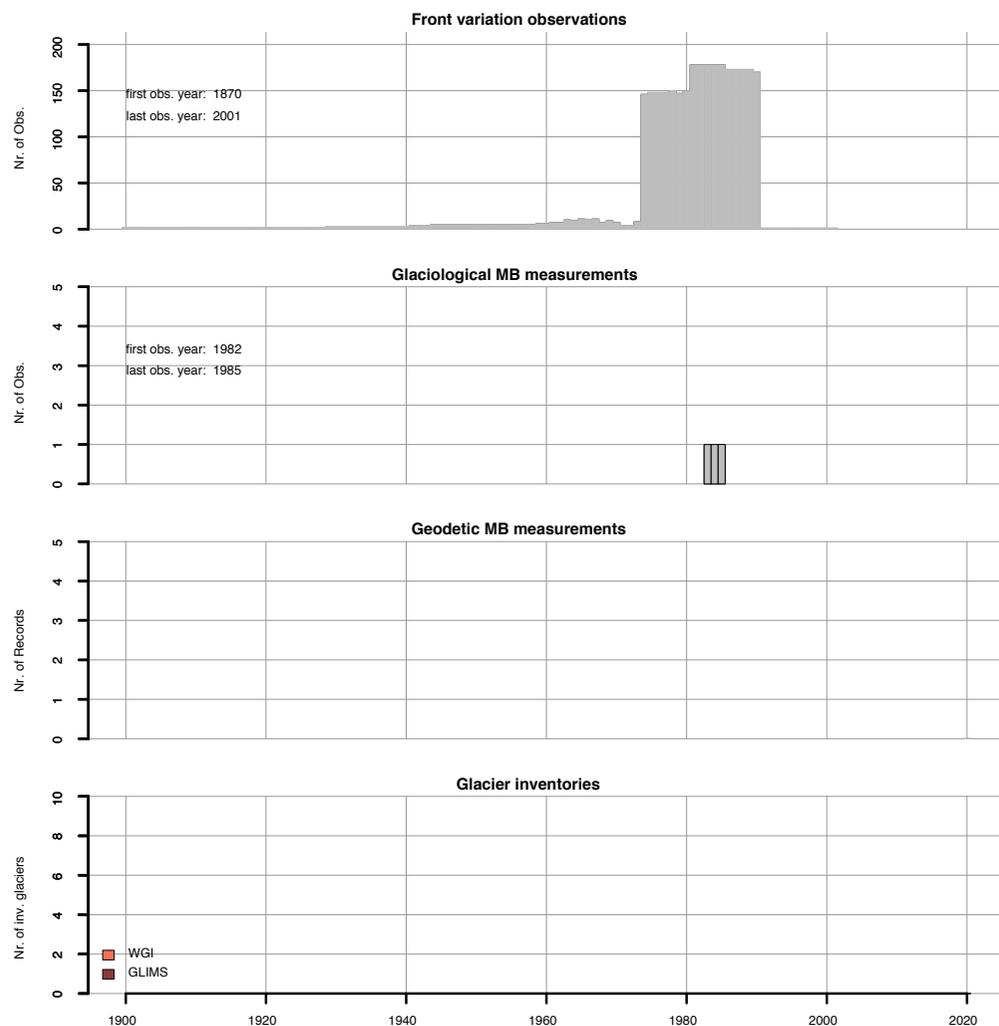


GLACIER MONITORING: TAJIKISTAN

Glaciers in Tajikistan have a significant role in local and regional water resources and natural hazards. The country lacks fundamental and reliable quantitative information on glacier occurrence and changes.

Available series



Just a few front variation series from the 1970s and 80s and almost no mass balance series are available from glaciers in Tajikistan. Geodetic information as well as inventories are missing at all. Glacier monitoring needs to be set up and measurements need to be resumed.

Key statistics

total glaciated area: ?? km²
 total coverage WGI: *
 total coverage GLIMS: 0 %

	Front Variation	Mass Balance	Thickness Change
Number of series:	183	1	0
Average length [years]:	8	3	0
Average number of observations:	3	2	0

Present state

No coordination of glacier research.

Very few mass balance measurements available.

Very few mass balance measurements available.

Front variation measurements around 1980s available for a large number of glaciers, with a few series reaching further back in time. No geodetic change assessments available.

Region covered in the WGI as part of the Soviet Glacier Inventory but not covered in GLIMS.

Future potential/needs

Establish contact to glacier research group. Start glacier monitoring and coordinate with glaciologists from neighbouring countries.

Initiate glaciological mass balance measurements.

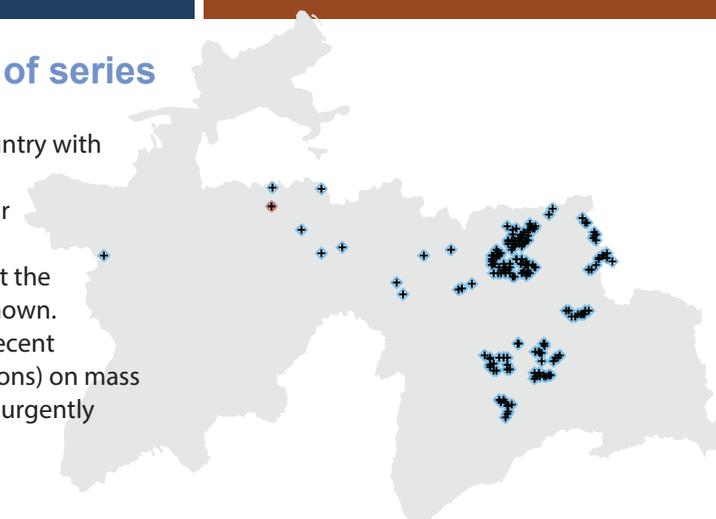
Initiate glaciological mass balance measurements.

Resume glacier front variation measurements. Encourage glacier volume change assessments.

Reconstruct glacier outlines for Soviet glacier inventory. Compile glacier inventory around 2000. Plan next repeat inventory towards 2020.

Spatial distribution of series

Tajikistan is a mountainous country with more than half of the country's area above 3000 m, in the Pamir mountains in the east. A lot of glaciers occur in this region, but the total area and number is not known. A glacier inventory and some recent measurements (or reconstructions) on mass balance and front variation are urgently needed.



* in WGI part of (former) Soviet Union