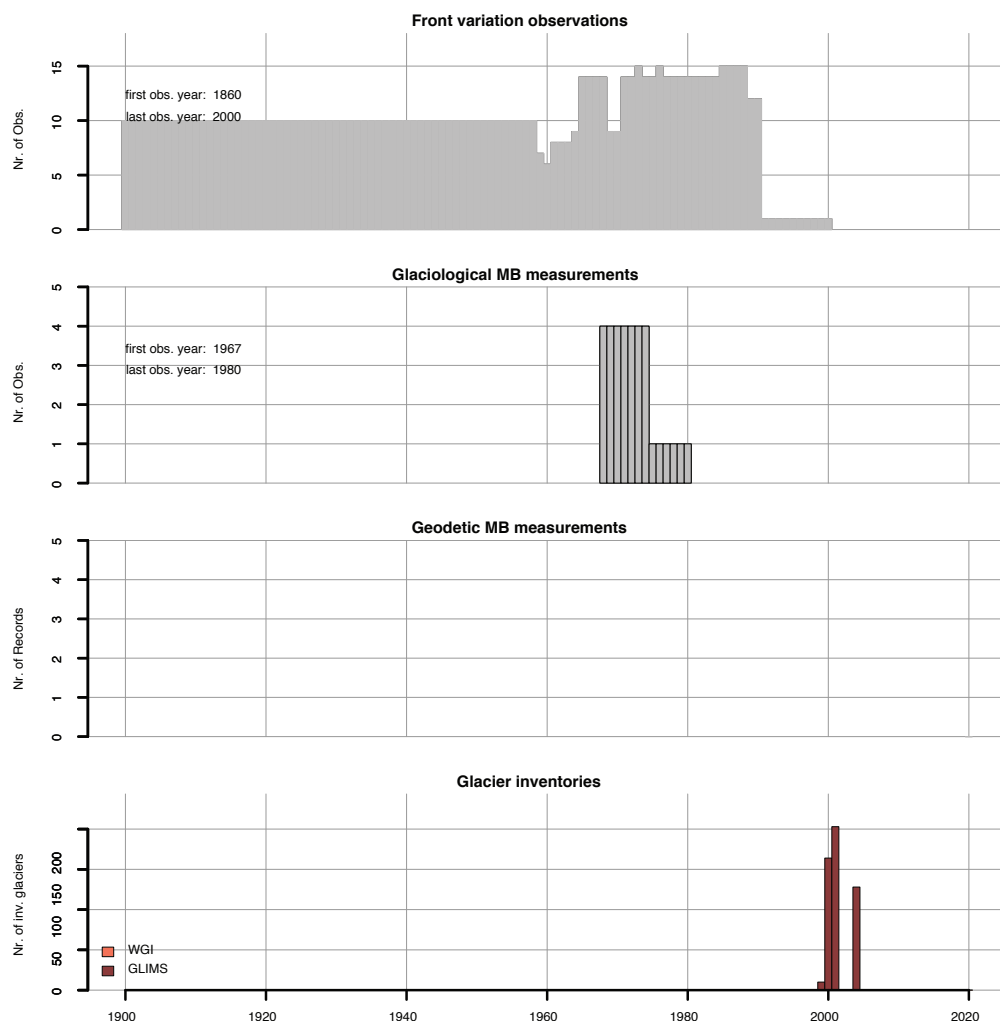


# GLACIER MONITORING: GEORGIA

Glaciers in Georgia are important local and regional water resources and play a role regarding natural hazards. Several glaciers were monitored in former times. Nowadays the country lack fundamental and reliable quantitative information on glacier changes.

## Available series



In Georgia, front variation observation has been conducted for several glaciers since 1860 and until the 1990s. Unfortunately, they were stopped around 2000. Glaciological mass balance was measured on a few glaciers in the 1970s and 80s. About 80% of the glaciated area has been inventorized in GLIMS around 2000.

## Key statistics

total glaciated area:	449 km <sup>2</sup>	Number of series:	16	Mass Balance	4	Thickness Change	0
total coverage WGI:	*	Average length [years]:	145		8		0
total coverage GLIMS:	85 %	Average number of observations:	17		8		0

## Present state

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Region covered in the WGI as part of the Soviet inventory and partly covered in GLIMS.

## Future potential/needs

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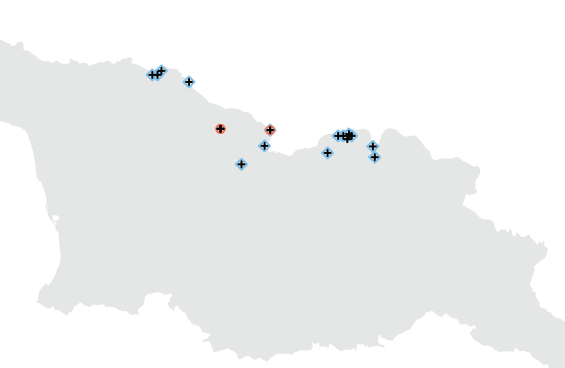
DVdg\_ WY`SU[a`aY[US^\_ SeeTS`S` UW  
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Resume front variation measurements and fill gaps with remote sensing data. Encourage geodetic volume change assessment.

Complete glacier inventories with remote sensing data. Plan next repeat inventory towards 2020.

## Spatial distribution of series

Georgia is situated in the Caucasus region. In the mountain massif Greater Caucasus several glaciers occur, covering an area of about 450 km<sup>2</sup>. While inventories have been compiled recently, measurements on front variation and mass balance were stopped about 3 decades ago. Glacier monitoring in Georgia needs to be resumed.



\* in WGI part of (former) Soviet Union