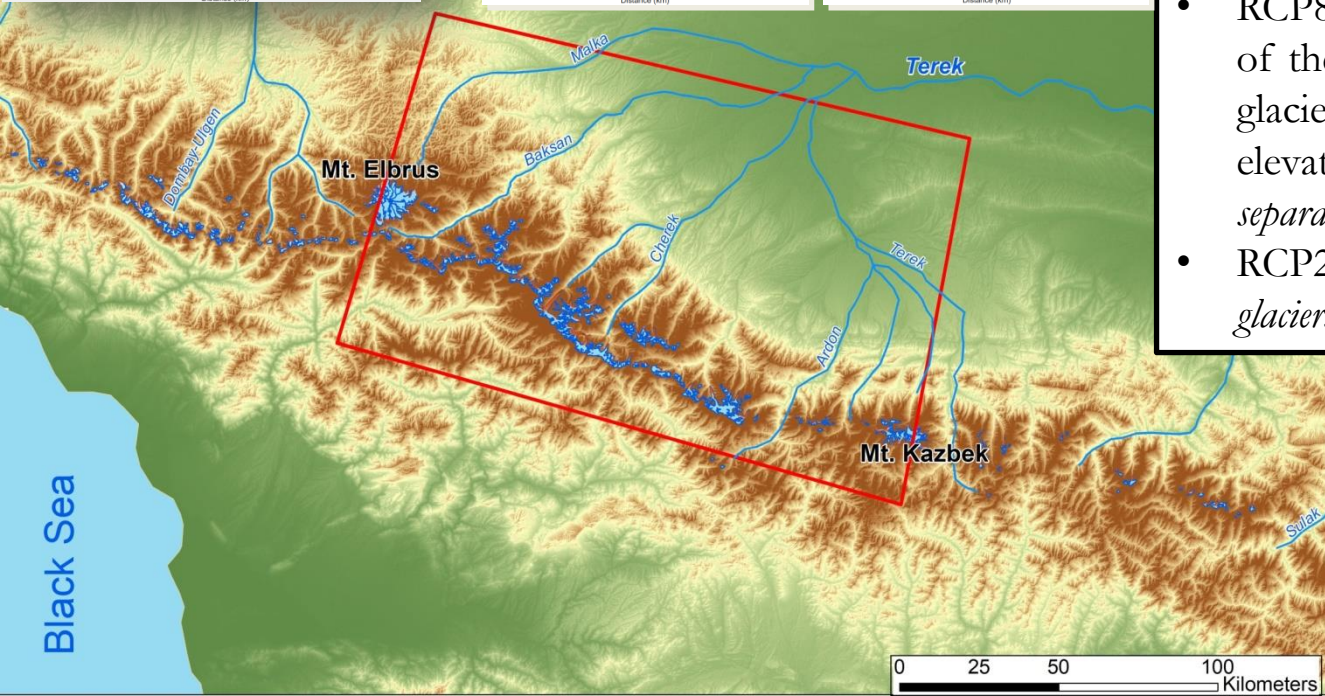
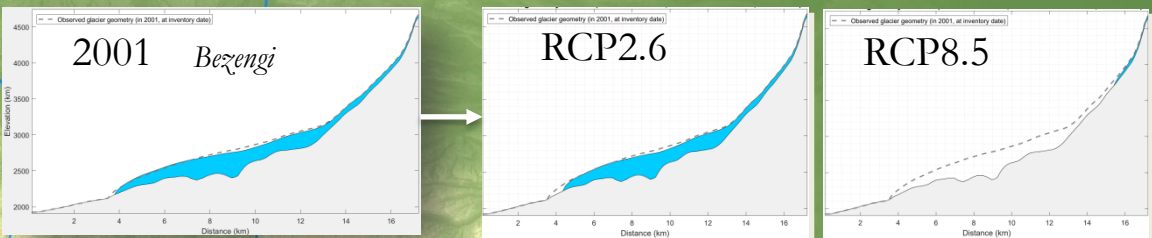


Modelling future evolution of glaciation in the Central Caucasus

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Model: GloGEMflow (Zekollari *et al.*, 2019)

Climate data: CAS-CORDEX

Glacier geometry: Matthias Huss

Preliminary results:

- RCP8.5 ~92% glacier area loss: most of the glaciers disappear, except Elbrus glaciers which migrate to higher elevations (*Elbrus glaciers are modelled separately by 3D high-order model*)
- RCP2.6 ~32% glacier area loss (*large glaciers are able to stabilize*)

TO DO:

- Moraine block
- Energy balance block
- Runoff evolution

