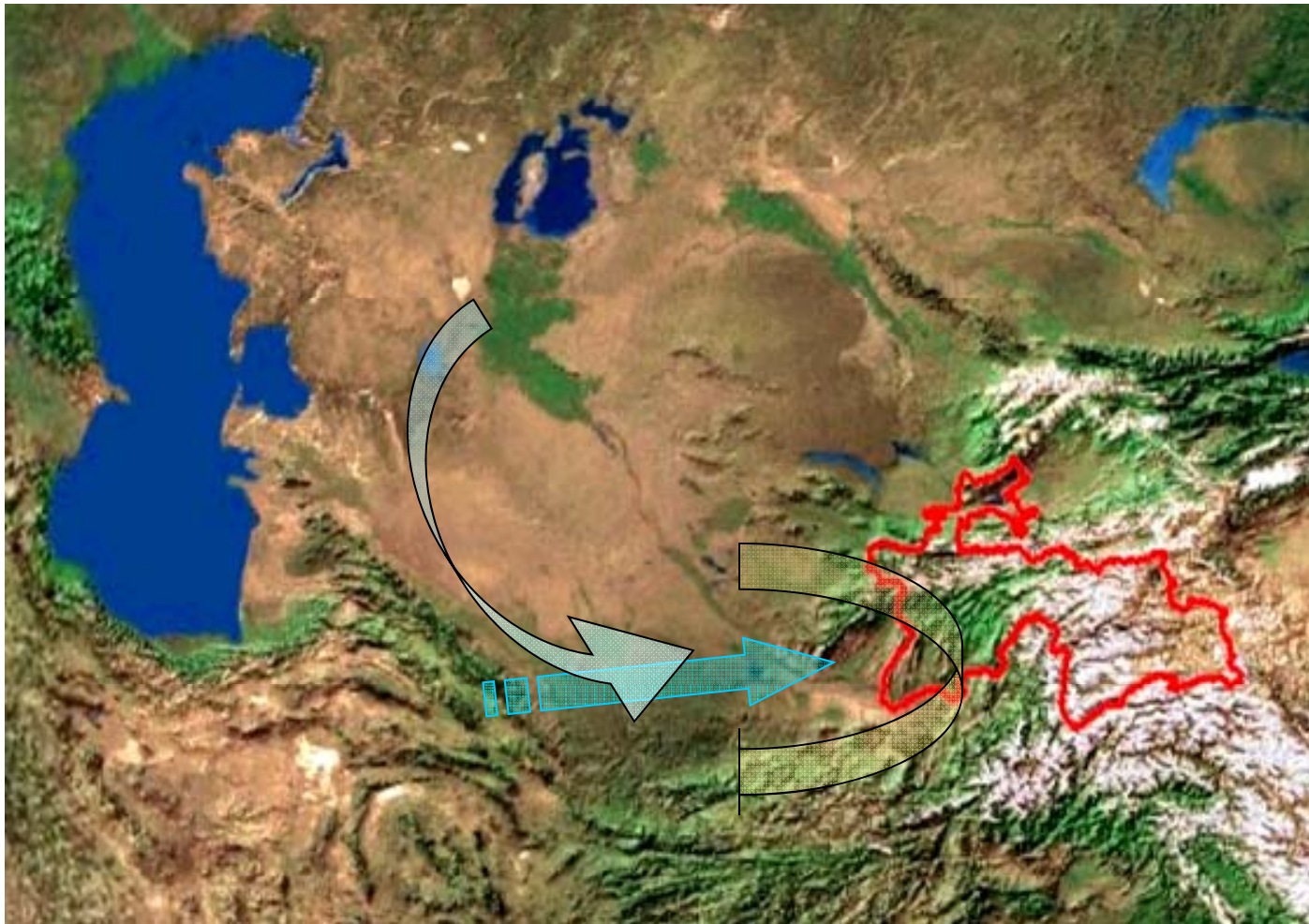


Climate change and cryosphere condition in Tajikistan

Alexander Finaev

*Institute of Water Issues, Hydro Power
Engineering and Ecology,
Academy of Sciences, Republic of Tajikistan*

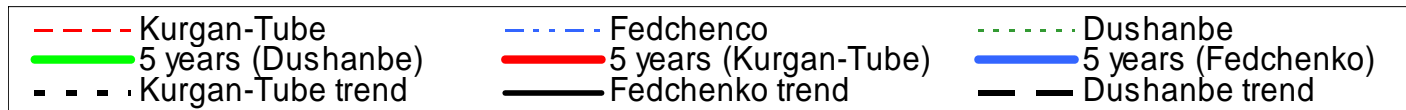
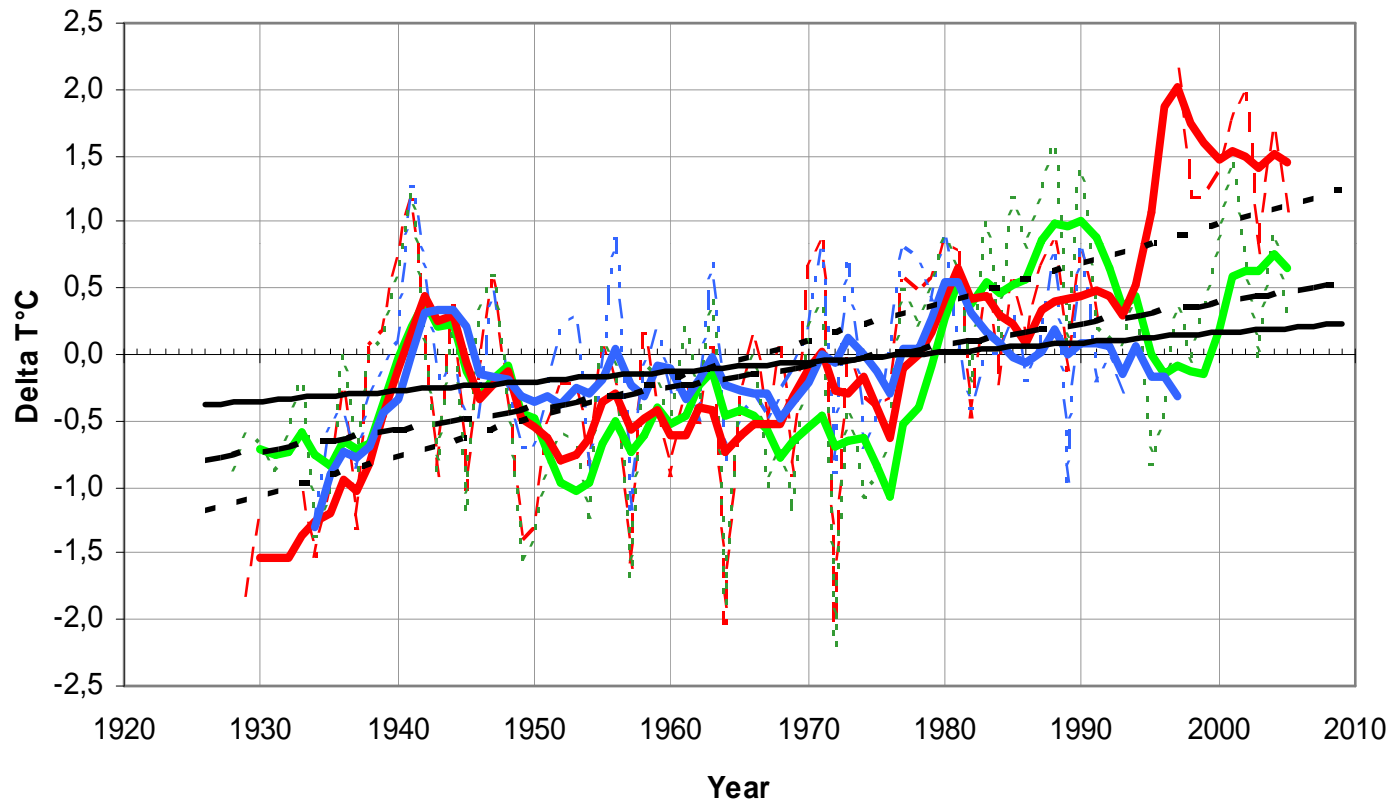
Geographical position of Tajikistan



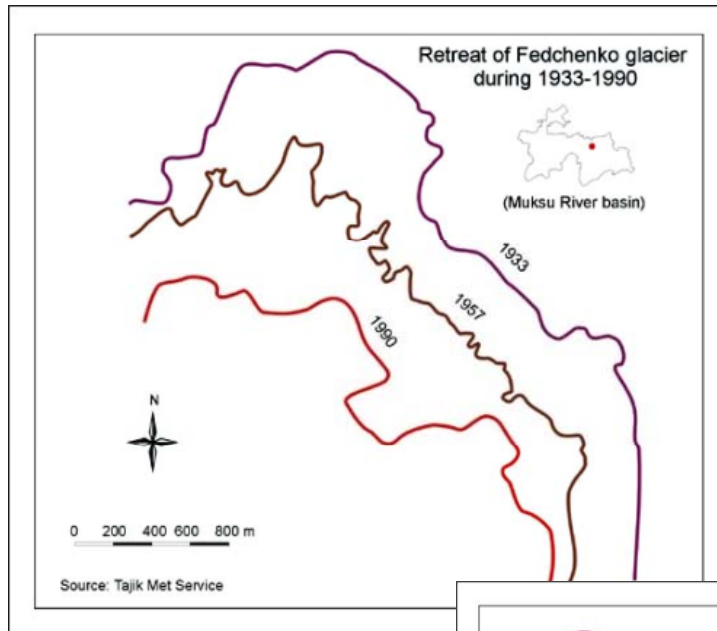
- Tajikistan is situated in mountain region of Central Asia
- Amudarya river runoff formation
- Orographical barrier to air streams

Air temperature

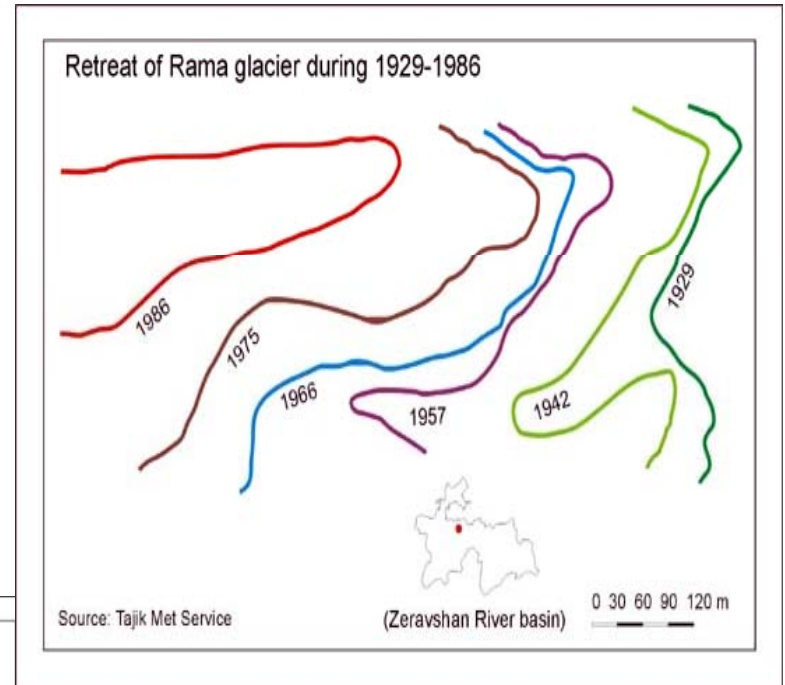
Growth of mid-annual air temperature is observed on the territory. The temperature has increased by 2,2°C in southern valleys and by 0,4°C in high mountains for the period of 75 years.



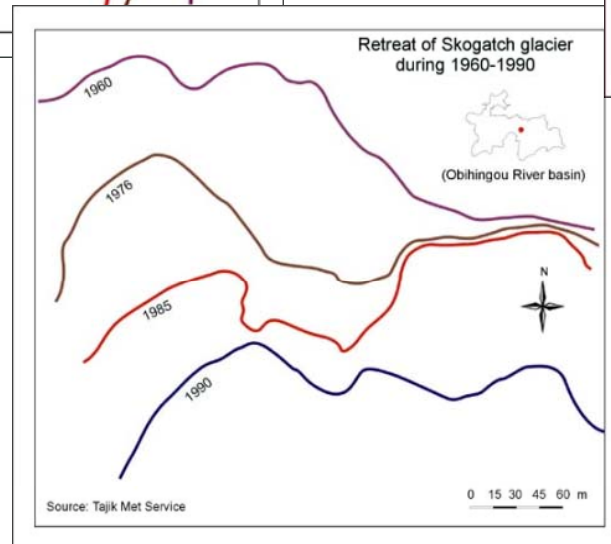
Change of some glaciers' margins



a. Fedchenko glacier margin change (1933-1990)



c. Rama glacier margin change (Zeravshan valley) (1926-1986)



b. Skogach glacier margin change (1960-1990)

There are single facts on particular glaciers retreat.

The reasons of such reduction are not clear.