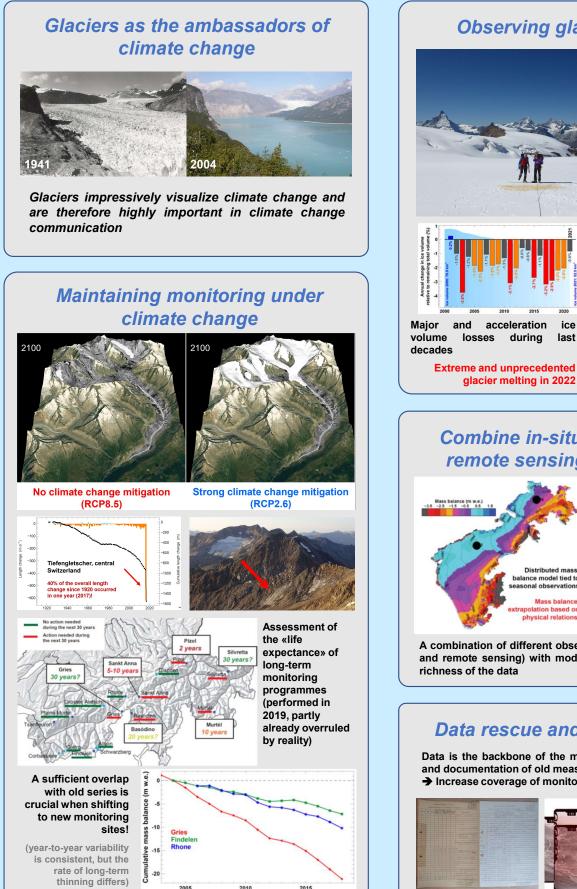


Glacier monitoring in Switzerland: Challenges and opportunities

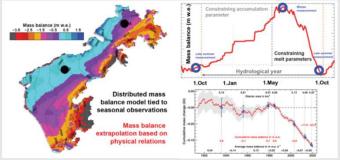
Matthias Huss, Andreas Bauder and Andreas Linsbauer (GLAMOS)



Observing glacier change A suite of observed variables observed by GLAMOS (Glacier Monitoring Switzerland): Mass balance Length change Long-term volume change Area (inventories) acceleration ice losses during last 2022 Gries Extreme and unprecedented

GLAMOS

Combine in-situ measurements, remote sensing and modelling



A combination of different observational techniques (e.g. in-situ and remote sensing) with modelling is crucial to increase the richness of the data

Data rescue and homogenization

Data is the backbone of the monitoring! Invest into the rescue and documentation of old measurements. → Increase coverage of monitoring series (in time and space)

