

Glaciology at VAW / ETHZ

www.glaciology.ethz.ch



Rhonegletscher
2007

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Key Research Topics

I. Investigation of physical processes in glaciers

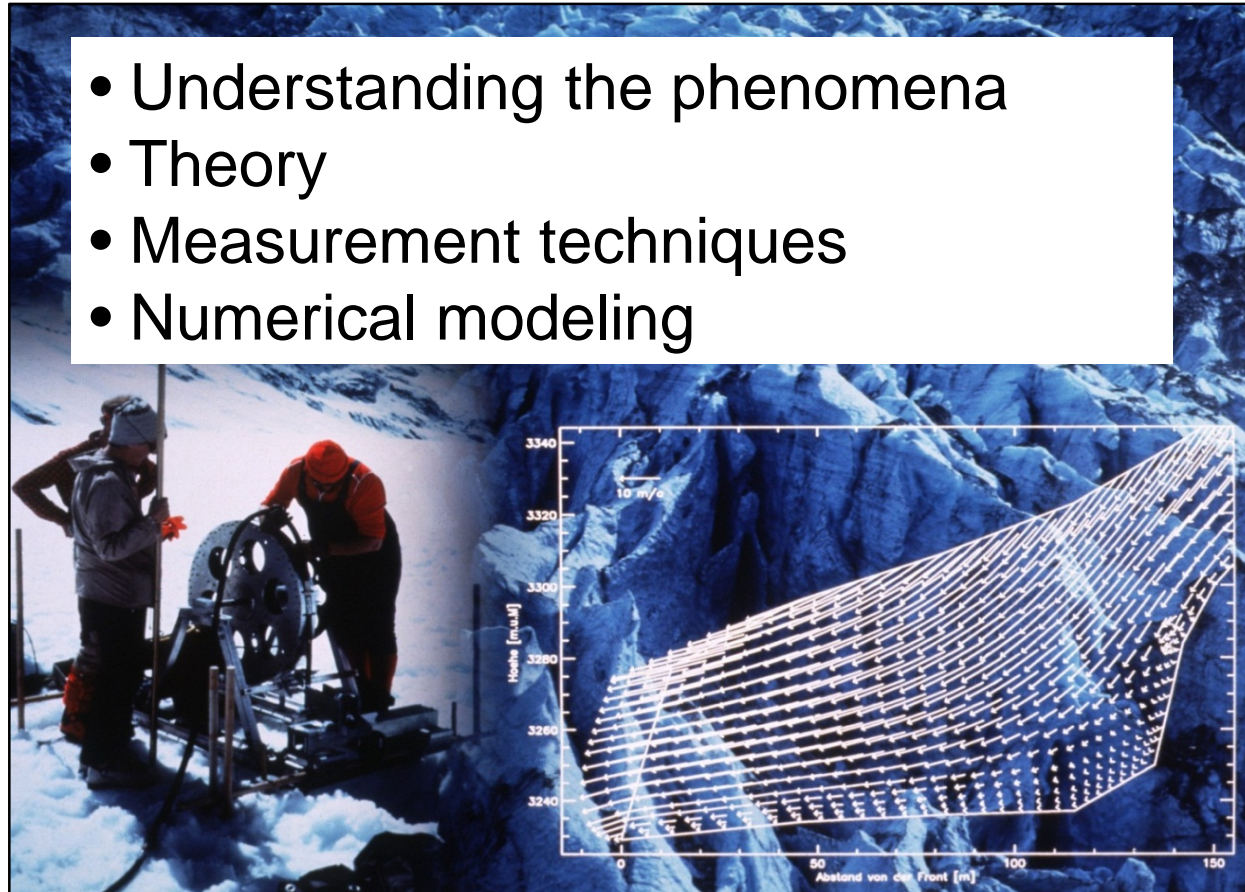
- Glacier mechanics and dynamics
- Processes at the glacier base
- Glacier hydrology
- Glacier-climate interactions
- Glacier seismology

II. Applied studies (impact of glacier change / hazards)

III. Long term monitoring of glacier fluctuations in CH

Our Motivation

- Understanding the phenomena
- Theory
- Measurement techniques
- Numerical modeling



More information about our activities:
www.glaciology.ethz.ch

Papers

- Slater et al. (2021), **Review article: Earth's ice imbalance**. The Cryosphere, 15, 233–246, doi:10.5194/tc-15-233-2021.
- Hugonnet et al. (2021), **Accelerated global glacier mass loss in the early twenty-first century**. Nature 592, 726–731, doi:10.1038/s41586-021-03436-z.
- Vincent et al. (2017), **Common climatic signal from glaciers in the European Alps over the last 50 years**. Geophysical Research Letters, 44(3), 1376-1383, doi:10.1002/2016GL072094.
- Zekollari et al. (2020), **On the Imbalance and Response Time of Glaciers in the European Alps**. Geophysical Research Letters, 47, e2019GL085578, doi:10.1029/2019GL085578.