

Peer-reviewed Publications in 2013

- Dalban-Canassy, P., Walter, F., Husen, S., Maurer, H., Faillettaz, J., and Farinotti, D. (2013). Investigating the dynamics of an Alpine glacier using probabilistic icequake locations: Triftgletscher, Switzerland. *Journal of Geophysical Research*, 118:1–6. doi:10.1002/jgrf.20097.
- Farinotti, D. (2013). On the effect of short-term climate variability on mountain glaciers: insights from a case study. *Journal of Glaciology*, 59(217):992–1006.
- Farinotti, D., Corr, H., and Gudmundsson, G. (2013). The ice thickness distribution of Flask Glacier, Antarctic Peninsula, determined by combining radio-echo soundings, surface velocity data, and flow modelling. *Annals of Glaciology*, 53(63):18–24.
- Farinotti, D. and Huss, M. (2013). An upper-bound estimate for the accuracy of volume-area scaling. *The Cryosphere*, 7:1707–1720. doi:10.5194/tc-7-1707-2013.
- Huss, M., Sold, L., Hoelzle, M., Stokvis, M., Salzmann, N., Farinotti, D., and Zemp, M. (2013). Towards remote monitoring of sub-seasonal glacier mass balance. *Annals of Glaciology*, 54(63):75–83. doi: 10.3189/2013AoG63A427.
- Lüthi, M. (2013). Gauging Greenland's subglacial water. *Science*, 341(6147):721–722. DOI:10.1126/science.1242672.
- Lüthi, M. (2013). Little Ice Age climate reconstruction from ensemble reanalysis of Alpine glacier fluctuations. *The Cryosphere Discuss.*, 7:5147–5175.
- Michel, L., Picasso, M., Farinotti, D., Bauder, A., Funk, M., and Blatter, H. (2013). Estimating the ice thickness of mountain glaciers with an inverse approach using surface topography and mass-balance. *Inverse Problems*, 29(3).
- Morriss, B. F., Hawley, R. L., Chipman, J. W., Andrews, L. C., Catania, G. A., Hoffman, M. J., Lüthi, M. P., and Neumann, T. A. (2013). A ten-year record of supraglacial lake evolution and rapid drainage in West Greenland using an automated processing algorithm for multispectral imagery. *The Cryosphere*, 7(6):1869–1877.
- Nishimura, D., Sugiyama, S., Bauder, A., and Funk, M. (2013). Changes in Ice-Flow Velocity and Surface Elevation from 1874 and 2006 in Rhonegletscher, Switzerland. *Arctic, Antarctic, and Alpine Research*, 45(4):552–562.
- Ryser, C., Lüthi, M., Blindow, N., Suckro, S., Funk, M., and Bauder, A. (2013). Cold ice in the ablation zone: its relation to glacier hydrology and ice water content. *Journal of Geophysical Research*, 118(F02006):693–705. doi:10.1029/2012JF002526.
- Tsutaki, S., Sugiyama, S., Nishimura, D., and Funk, M. (2013). Acceleration and flotation of a glacier terminus during formation of a proglacial lake in Rhonegletscher, Switzerland. *Journal of Glaciology*, 59(215):559–570.
- Walter, F., Dalban-Canassy, P., Husen, S., and Clinton, J. (2013a). Deep icequakes: What happens at the base of Alpine glaciers. *Journal of Geophysical Research*, 118(3):1720–1728.
- Walter, F., Olivieri, M., and Clinton, J. (2013b). Calving event detection by observation of seiche effects on the Greenland fjords. *Journal of Glaciology*, 59(213):162–178.