Thomas Zieher

Junior researcher

25 July 1985

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Skills

R programming language

Python programming language

GRASS GIS

SAGA GIS

Arc GIS

Adobe Illustrator

Adobe Photoshop

LaTeX & BibTeX

German

English

Spanish

Interests

Geomorphology: shallow and deep-seated landslides, rock fall
Palaeoclimatology: dynamics of forest- and treeline, dendrochronology
Remote sensing: monitoring of slope deformations, terrestrial laser scanning
Computational Geography: slope stability modelling, point cloud processing

Education

1991 – 1996	Primary school	Timelkam, Austria
1996 – 2000	Secondary school	Vöcklabruck, Austria
2000 – 2006	College of Industrial Engineering	Vöcklabruck, Austria
2006 – 2009	BSc in Geography	University of Innsbruck, Austria
2009 – 2013	MSc in Geography	University of Innsbruck, Austria
2013 – 2017	PhD in Geography	University of Innsbruck, Austria
since 2016	Junior researcher	Institute for Interdisciplinary Mountain Research, Austrian Academy of Science

Experience & Teaching

08 2004 – 09 2004	Practical training	Volvo Business Service, Gothenburg, Sweden
10 2005 – 09 2006	Civilian service	Lebenshilfe, St. Florian, Austria
07 2009 – 08 2009	Practical training	Austrian Federal Forests, Hopfgarten, Austria
since 2009	Freelancer, graphic designer	Kompass GmbH, Innsbruck, Austria
10 2011 – 02 2012	Practical training	Austrian Research Centre for Forests Innsbruck, Austria
2015 – 2018	GRASS GIS	Morphometry, automatation and scripting, modelling
2016 – 2017	Introduction to R	R programming language, statistics

Selected publications

Zieher, T., Rutzinger, M., Schneider-Muntau, B., Perzl, F., Leidinger, D., Formayer, H., Geitner, C., 2017. Sensitivity analysis and calibration of a dynamic physically based slope stability model. Natural Hazards and Earth System Sciences 17 (6), 971–992.

Zieher, T., Schneider-Muntau, B., Mergili, M., 2017. Are real-world shallow landslides reproducible by physically-based models? Four test cases in the Laternser valley, Vorarlberg (Austria). Landslides 14 (6), 2009–2023.

Zieher, T., Markart, G., Ottowitz, D., Römer, A., Rutzinger, M., Meißl, G., Geitner, C., 2017. Water content dynamics at plot scale–comparison of time-lapse electrical resistivity tomography monitoring and pore pressure modelling. Journal of Hydrology 544, 195–209.

Zieher, T., Perzl, F., Rössel, M., Rutzinger, M., Meißl, G., Markart, G., Geitner, C., 2016. A multi-annual landslide inventory for the assessment of shallow landslide susceptibility - Two test cases in Vorarlberg, Austria. Geomorphology 259, 40–54.

References

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Clemens Geitner +43 507 54037 clemens.geitner@uibk.ac.at Institute of Geography, University of Innsbruck

Personal interests

Sports: Skitouring, Snowboarding, Hiking, Badminton, Cycling
Music: Guitar, Saxophone, Cajon
Photography: Time lapse, Panorama, Food Staging