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Institute for Interdisciplinary Mountain Research (IGF)

The Institute for Interdisciplinary Mountain Research (IGF) at its headquarters in Innsbruck focuses on inter- and transdisciplinary mountain research in cooperation with international groups of scientists. It also includes [GLORIA](#), the long-term global monitoring network in alpine areas. It maintains a cooperation with the [Mountain Research Initiative \(MRI\)](#), Berne/Switzerland, and is member of the Mountain Partnership (FAO), Rome. For Austria the IGF is administrating the [Swiss-Austrian mountain research alliance \(CH-AT\)](#). Together with the Research Focus [Alpine Space](#): Man & Environment of the Innsbruck University <http://www.uibk.ac.at/alpinerraum/index.html.en> and the [alpS Centre for Climate Change Adaptation Technologies](#) it forms the *Innsbruck Mountain Competence*.



Latest publications

- Borsdorf, A. & Ch. Stadel 2013. *Die Anden. Ein geographisches Porträt*. Heidelberg.
- Borsdorf, A., M. Mergili & L.A. Ortega 2013. La Reserva de la Biosfera Cinturón Andino, Colombia. Una región modelo de estrategias de adaptación al cambio climático y de desarrollo regional sustentable? In: *Revista de Geografía Norte Grande* 55: 7-18.
- Bremer, M., M. Rutzinger & V. Wichmann 2013. Derivation of tree skeletons and error assessment using LiDAR point cloud data of varying quality. In: *ISPRS Journal of Photogrammetry and Remote Sensing* 80: 39-50.
- Dobler, Ch., G. Bürger & J. Stötter 2013. Simulating future precipitation extremes in a complex Alpine catchment. In: *Natural Hazards and Earth System Sciences* 2 (13): 263-277.
- Fernández-Calzado, R., D. Ghosn, D., M. Gottfried, G. Kazakis, J. Molero Mesa, H. Pauli & A. Merzouki. 2013. Patterns of endemism along an elevation gradient in Sierra Nevada (Spain) and Lefka Ori (Crete, Greece). In: *Pirineos. Revista de Ecología de Montaña* 168: 7-24.
- Grünwald, T., J. Stötter, J.W. Pomeroy, R. Dadic, I. Moreno Banos, M. Spross, C. Hopkinson, P. Burlando & M. Lehning 2013. Statistical modelling of the accumulation snow depth distribution in open alpine terrain. In: *Hydrological Earth System Sciences* 17: 3005-3021.
- Kanitscheider, S. & O. Bender 2013. Las regiones de montañas como espacios de oportunidad para la integración bioceánica: el ejemplo del Paso de Jama en los Andes Centrales. In: *Revista de Geografía Norte Grande* 55: 43-54.
- Marchant, C. & A. Borsdorf 2013. Protected areas in Northern Colombia – on track to sustainable development? In: *eco.mont - Journal on Mountain Protected Areas Research and Management* 5, 2: 5-14.
- Noroozi, J., W. Willner, H. Pauli & G. Grabherr 2013. Phytosociology and ecology of the highalpine to subnival scree vegetation of N and NW Iran (Alborz and Azerbaijan Mts.). In: *Applied Vegetation Science* Online first: 1-20.
- Orsi, F., Geneletti, D. & A. Borsdorf 2013. Mapping wildness for protected area management: A methodological approach and application for the Dolomites UNESCO World Heritage Site (Italy).

Landscape and Urban Planning 120: 1-15.

- Pfurtscheller, C. & A. H. Thieken 2013. The price of safety: costs for mitigating and coping with Alpine hazards. *Natural Hazards and Earth System Sciences* 13: 2619-2637.
- Pichler, T., Nicolussi, K., Goldenberg, G., Hanke, K., Kovács, K. & A. Thurner 2013. Charcoal from a prehistoric copper mine in the Austrian Alps: Dendrochronological and dendrological data, demand for wood and forest utilisation. *Journal of Archaeological Science* 40, 2: 11.
- Wiegand, C., Kringer, K., Geitner, C. & M. Rutzing 2013. Regolith structure analysis — A contribution to understanding the local occurrence of shallow landslides (Austrian Tyrol). *Geomorphology* 183: 5-13.
- Wiegand, C., Rutzing, M., Heinrich, K. & C. Geitner 2013. Automated Extraction of Shallow Erosion Areas Based on Multi-Temporal Ortho-Imagery. *Remote Sensing* 5, 5: 2292-2307.
- Zemp, M., Thibert, E., Huss, M., Stumm, D., Rolstad Denby, C., Nuth, C., Nussbaumer, S. U., Moholdt, G., Mercer, A., Mayer, C., Joerg, P. C., Jansson, P., Hynek, B., Fischer, A., Escher-Vetter H., Elvehøy, H. & L. M. Andreassen 2013. Uncertainties and reanalysis of glacier mass balance measurements. *The Cryosphere Discussions* 7: 789-839.

Latest projects

- VOICE - Voluntary work in disaster management - Challenges for adaptation to climate change; Austrian Climate Research Program (2013 - 2015)
<http://www.mountainresearch.at/index.php/en/projects/100-projects/ongoing-projects/328-voice-en.html>
- Investigating Cultural Sustainability; COST Action IS1007 (2011-2015)
<http://www.mountainresearch.at/index.php/en/projects/100-projects/ongoing-projects/287-cost-is1007-en.html>
- Glacier monitoring on the Hallstatt Glacier; Land Oberösterreich (2012-2016)
<http://www.mountainresearch.at/index.php/en/projects/100-projects/ongoing-projects/329-hallstatt-glacier-en.html>
- Glacier monitoring Venedigerkees; Hydrographical Service of Salzburg province (2012-2016)
<http://www.mountainresearch.at/index.php/en/projects/100-projects/ongoing-projects/268-glacier-monitoring-venedigerkees.html>
- mountain.TRIP. Mountain Sustainability - Transforming Research into Practice; FP7 (2010-2012)
<http://www.mountaintrip.eu/>

Scientists

- [Borsdorf, Axel](#)
- [Fischer, Andrea](#) - Austrian of the Year 2013, Section Research
- [Grabherr, Georg](#) - Austrian Scientist of the Year 2012

Links

[IGF Homepage](#) | [IGF wikipedia article](#)

Journals

[eco.mont](#) – Journal on Protected Mountain Areas Research and Management



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