

Name: Jan Henrik Blöthe
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RESEARCH EXPERIENCE

Since October 2014 Postdoctoral researcher at the Geomorphology and Environmental Systems research group of the University of Bonn, Germany.

April 2010 - October 2014 PhD student at the Geohazards Research Group of the University of Potsdam, Germany, with field work in NW Himalaya, India.

October 2009 - April 2010 Research associate at the Remote Sensing Department of the University of Würzburg, Germany

December 2004 - May 2009 Student Assistant in the Geomorphological and Environmental Research Group and the Remote Sensing Research Group at the University of Bonn, Germany, with field work in Kenya and Switzerland

February 2008 - April 2008 Internship at the Argentinean Institute for Glaciology and Environmental Sciences Mendoza, Argentina

EDUCATION

October 2014 PhD thesis with the title “Himalayan valley fills” (Magna cum Laude)

September 2012 Field School: Tectonic and Climate in the East African Rift, Kenya

September 2010 Summer School on Geomorphology: Complex Response of Earth Surface Processes to Environmental Change

October 2003 - July 2009 Studies of Geography, Biology and Political Sciences at the University of Bonn, Germany; Diploma thesis: “Hillslope-channel coupling in the Swabian Alb, SW Germany” Grade: “sehr gut” (A)

September 2006 - July 2007 Study abroad program at the University of Bristol, UK

ADDITIONAL QUALIFICATIONS

Languages	German: native language English: fluent (written and spoken) Spanish: very good skills (written and spoken)
Computer Skills	Advanced knowledge in ArcGIS, QGIS, ENVI, and ERDAS Experience in programming with R (advanced), MATLAB (basic), IDL (basic)
Additional Skills	Experience in field and laboratory work (OSL, CRN) Experience with ERT, GPR, UAV and TLS techniques

TEACHING EXPERIENCE

Winter term 2016	MSc Module “Advanced research methods in geomorphology and natural hazards”
Summer term 2016	BSc field trip “Geomorphology and natural hazards in the light of global change, Hohe Tauern, Austria”
Winter term 2015	MSc Module “Earth System Science” in the United Nations Master Program, MSc Module “Geomorphology and Natural Hazards”, BSc field trip “Regional Physical Geography”
Summer terms 2015-2017	MSc Module “Natural hazards and risks in the European Alps”, BSc Module “Introduction to Physical Geography”
Winter term 2014	BSc Module “Methods in physical Geography”, MSc Module “Current research topics in geomorphology”
Summer term 2011	BSc Module “Natural Disasters”
Winter terms 2011, 2013	BSc Module “Introductory Geology”
Summer term 2012	“Hydro-meteorological extreme events – From process understanding towards risk assessment and early warning: Extreme mass transport events and landslides” (2 h session)

FUNDING HISTORY

2015	Summer School on Geomorphology: Sediment dynamics in high-mountain environments (funded by the VolkswagenStiftung)	€ 49,300
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PROFESSIONAL SERVICES

- Since 2012 16 Peer Reviews for various ISI-listed journals, including: Basin Research; Earth Surface Processes and Landforms; Geology; Geomorphology; GSA Bulletin; Journal of Geophysical Research; Palaeogeography, Palaeoclimatology, Palaeoecology; Quaternary Science Reviews
- Since 2014 Editor of the EGU Geomorphology Blog
- 2014 - 2017 Member of the steering committee of the Junge Geomorphologen (German Young Geomorphologists' group)
- Since 2015 Member of the steering committee of the Arbeitskreis für Geomorphologie (German Working Group on Geomorphology)

PUBLICATIONS & PRESENTATIONS

Peer Reviewed Publications (published)

- Otto, J.-C., Prasicek, G., **Blöthe, J.H.**, and Schrott, L., 2017, GIS Applications in Geomorphology: Reference Module in Earth Systems and Environmental Sciences, p. 1–30, doi: 10.1016/B978-0-12-409548-9.10029-6
- Munack, H., **Blöthe, J.H.**, Fülöp, R.H., Codilean, A.T., Fink, D., and Korup, O., 2016, Recycling of Pleistocene valley fills dominates 135 ka of sediment flux, upper Indus River: Quaternary Science Reviews, v. 149, p. 122–134, doi: 10.1016/j.quascirev.2016.07.030
- Blöthe, J.H.**, Korup, O., and Schwanghart, W., 2015, Large landslides lie low: Excess topography in the Himalaya-Karakorum ranges: Geology, v. 43, no. 6, p. 523–526, doi: 10.1130/G36527.1.
- Stolle, A., Langer, M., **Blöthe, J.H.**, and Korup, O., 2015, On predicting debris flows in arid mountain belts: Global and Planetary Change, v. 126, p. 1–13, doi:10.1016/j.gloplacha.2014.12.005
- Blöthe, J.H.**, Munack, H., Korup, O., Fülling, A., Garzanti, E., Resentini, A., and Kubik, P.W., 2014, Late Quaternary valley infill and dissection in the Indus River, western Tibetan Plateau margin: Quaternary Science Reviews, v. 94, p. 102–119, doi: 10.1016/j.quascirev.2014.04.011
- Munack, H., Korup, O., Resentini, A., Limonta, M., Garzanti, E., **Blöthe, J.H.**, Scherler, D., Wittmann, H., and Kubik, P.W., 2014, Postglacial denudation of western Tibetan Plateau margin outpaced by long-term exhumation: Geological Society of America Bulletin, v. 126, no. 11-12, p. 1580–1594, doi: 10.1130/B30979.1
- Blöthe, J.H.**, and Korup, O., 2013, Millennial lag times in the Himalayan sediment routing system: Earth and Planetary Science Letters, v. 382, p. 38–46, doi: 10.1016/j.epsl.2013.08.044

Conference Proceedings

Machwitz, M., **Bloethe, J.**, Klein, D., Conrad, C. and Dech, S., 2010, Mapping of large irrigated areas in Central Asia using MODIS time series: Remote Sensing for Agriculture, Ecosystems, and Hydrology XII (Proceedings Volume), Proceedings of SPIE Volume: 7824.

Conference Abstracts (selected)

Blöthe, J.H., Götz, J., Berger, H. F., and Jäger, D., 2017, Rainfall events as landslide triggers – implications for the evolution of the SW-German cuesta landscape: EGU General Assembly, 23 – 28 April 2017, Vienna, Austria.

Blöthe, J.H., Halla, C., Schrott, L., Götz, J., and Trombotto, D., 2016, Spatial distribution of rock glaciers in the semi-arid Andes of Argentina: EGU General Assembly, 17 – 22 April 2017, Vienna, Austria.

Blöthe, J.H., Munack, H., Korup, O., Fülöp, R.H., Codilean, A.T., and Fink, D., 2015, Late Pleistocene valley fills source sediment flux of Tibetan Plateau margin rivers, Zaskar, India: AGU Fall Meeting, 14 – 18 December 2015, San Francisco, USA.

Blöthe, J.H., Korup, O., and Schwanghart, W., 2015, Topographic position of large slope failures: Excess topography in the Himalaya-Karakoram Ranges: EGU General Assembly, 12 – 17 April 2015, Vienna, Austria.

Blöthe, J.H., Schwanghart, W., and Korup, O., 2014, Large landslides lie low: Vertical domains of denudation processes in the arid Himalaya-Karakoram orogeny: EGU General Assembly, 27 April – 02 May 2014, Vienna, Austria.

Blöthe, J.H., Korup, O., and Munack, H., 2013, Spatial distribution and residence time of large valley-fills along the Himalayan arc: 8th IAG International Conference on Geomorphology, 27 – 31 August 2013, Paris, France.

Blöthe, J.H., Korup, O., Schwanghart, W., Mohr, Ch., Munack, H., Rosenwinkel, S., and Meyer, N., 2013, 21st Century Challenges for Studying Geohazards in Mountainous Terrain: Congreso Colombiano de Geología, 31 July – 2 August 2013, Bogotá, Colombia.

Blöthe, J.H., Munack, H., Fülling, A., Resentini, A., Garzanti, E., Kubik, P.W. and Korup, O., 2012, River incision, sediment storage, and sediment residence times at the western Tibetan plateau margin: AGU Fall Meeting, 3 – 7 December 2012, San Francisco, USA.

Blöthe, J.H., Munack, H., Fülling, A. and Korup, O., 2011, Late Pleistocene to recent incision dynamics near the western Tibetan Plateau margin, Zaskar, India: EGU General Assembly, 22 – 27 April 2012, Vienna, Austria.