

## Prof. Dr. Klaus Rudolf Reicherter (W2, permanent)

RWTH Aachen Universität  
Lehr- und Forschungsgebiet  
Neotektonik und Georisiken  
Lochnerstr. 4-20  
52064 Aachen

Phone +49 241 809 5722  
Fax +49 241 809 2358E-mail:  
k.reicherter@nug.rwth-  
aachen.de



\*24.01.1962, German, male  
Married, 2 children

### Websites

www.nug.rwth-aachen.de  
www.paleoseismicity.org  
www.gr-geo.com (private company)

### Languages

German (mother tongue)  
English (fluent)  
Spanish (fluent)

### Academic training and Scientific degrees

2002 Venia legendi, Hamburg University  
2001 Habilitation, Hamburg University (Active Tectonics)  
1994 Graduation (Dr. rer. nat.) in Geology, Tübingen University (Betic Cordilleras)  
1983-1989 Geology and Paleontology, University Tübingen, Diploma (Alps)

### Professional career

since 4/2006 Professor for Neotectonics and Natural Hazards, RWTH Aachen University  
2005-03/2006 Substitution of professorship for Structural Geology, Leipzig University  
2004-2005 Substitution of professorship for Structural Geology, Hannover University  
2003-2004 Substitution of professorship for Structural Geology, Leipzig University  
2002-2003 Scientific associate at the Institute for Geophysics, Hamburg University  
1996-2002 Assistant Professor at the Institute for Geology, Hamburg University  
1993-1996 Scientific researcher at the National Geological Survey of Baden-Württemberg  
1991 Guest scientist at the Department of Earth Sciences, Oxford, U.K.  
1989-1993 Scientific assistant (doctoral student) at the Geological Institute, Tübingen University

### Others

since 2019 head of the board of examinations MSc "Engineering Geohazards"  
since 2018 centre coordinator IGCS – Indo-German Centre of Sustainability (DAAD)  
since 2018 rector's delegate for India  
since 2018 member of the GetInCicero consortium (BMBF and UGM, Yogyakarta, Java, Indonesia)  
since 2016 vice-president VAG e.V. (Verein Aachener Geowissenschaftler)  
2012-2020 member of council of the German Science Foundation- DFG-Fachkollegium Referat 314  
"Geologie und Paläontologie" (speaker 2016-2020)  
since 2015 Advisory member INQUA TerPro (<https://inqua.org/commissions/terpro/people>)  
since 2012 consulting expert of the IAEA (Int. Atomic Energy Agency)  
since 2012 teaching in the KaVoMA career in MSc. "Master in Disaster Management and Risk Governance", Univ. Bonn  
since 2010 Fly-in professor at GUTech, Muscat, Sultanate of Oman  
since 2009 head of the board of examinations MSc Georessourcenmanagement  
since 2009 board of examinations BSc Georessourcenmanagement  
since 2009 ERASMUS/International affairs representative of the Department  
2011-2015 Vice-president of the INQUA Focus Group: Paleoseismology and active tectonics  
2009-2018 directors board Geoverbund ABC/J (2012-2015 scientific director)  
2007-2016 head of the board of excursions of the Lehrinheit Angewandte Geowissenschaften (Applied Geosciences)

**Publications (h-index= 29, >2600 citations, peer-reviewed articles, here selection)**

More on Google Scholar/ResearchGate: [https://www.researchgate.net/profile/Klaus\\_Reicherter](https://www.researchgate.net/profile/Klaus_Reicherter)

1. Bellanova, P., Frenken, M., **Reicherter**, K., Jaffe, B., Szczucinski, W., Schwarzbauer, J., 2020. Anthropogenic pollutants and biomarkers for the identification of 2011 Tohoku-oki tsunami deposits (Japan). *Marine Geology*, 422, 106-117.
2. Binnie, S.A., **Reicherter**, K., Victor, P., Gonzalez, G., Binnie, A., Niemann, K., Stuart, F.M., Lentinga, C., Heinze, S., Freemang, S.P.H.T., Dunai, T.J., 2020. The origins and implications of paleochannels in hyperarid, tectonically active regions: The northern Atacama Desert, Chile. *Global Plant. Change* 185, 103083.
3. Hoffmann, G., Grützner, C., Schneider, B., Preusser, F., **Reicherter**, K., 2020. Large Holocene tsunamis in the northern Arabian Sea. *Marine Geology*, 419, doi: 10.1016/j.margeo.2019.106068
4. Feist, L., Frank, S., Bellanova, P., Laermanns, H., Cämmerer, C., Mathes-Schmidt, M., Biermanns, P., Brill, D., Costa, P.J.M., Teichner, F., Brückner, H., Schwarzbauer, J., **Reicherter**, K. (2019) The sedimentological and environmental footprint of extreme wave events in Boca do Rio, Algarve coast, Portugal. *Sed. Geol.*, 389, 147-160. <https://doi.org/10.1016/j.sedgeo.2019.06.004>.
5. Bellanova, P., Frenken, M., Richmond, B., Schwarzbauer, J., La Selle, S.P., Griswold, F., Jaffe, B., Nelson A., **Reicherter**, K., 2019. Organic Geochemical Investigation of Far-Field Tsunami Deposits of the Kahana Valley, O'ahu, Hawaii. *Sedimentology*, 67, 1230-1248, doi: 10.1111/sed.12583
6. Obrocki, L., Vött, A., Wilken, D., Fischer, P., Willershäuser, T., Koster, B., Lang, F., Papanikolaou, I. Rabbel, W., **Reicherter**, K., 2019. Tracing tsunami signatures of the AD 551 and AD 1303 tsunamis at the Gulf of Kyparissia (Peloponnese, Greece) using direct push in situ sensing techniques combined with geophysical studies. *Sedimentology*, 67, 1274-1308, doi: 10.1111/sed.12555
7. Kettermann, M., Weismüller C., von Hagke, C., **Reicherter**, K., Urai, J.L. 2019. Large near-surface block rotations at normal faults of the Iceland rift: Evolution of tectonic caves and dilatancy. *Geology*, <https://doi.org/10.1130/G46158.1>
8. Weismüller, C., Urai, J.L., Kettermann, M., von Hagke, C., **Reicherter**, K., 2019. Structure of massively dilatant faults in Iceland: lessons learned from high resolution UAV data. *Solid Earth*, 10, 1757-1784. <https://doi.org/10.5194/se-2019-117>
9. Biermanns, P., Schmitz, B., Ustaszewski, K., **Reicherter**, K., 2019. Tectonic geomorphology and Quaternary landscape development in the Albania - Montenegro Border Region: An Inventory. *Geomorphology*, 326, 116-131.
10. Baize, S., **Reicherter**, K., Avagyan, A., Belyashov, A., Pestov, E., Vittori, E., Arakelyan, A., Decker, K., 2019. First assessment of recent tectonics and paleoearthquakes along the Irtysh fault (Eastern Kazakhstan). *Geomorphology*, 326, 90-106.

### Projects/Drittmittelprojekte:

2020: SFB 1211, Earth at the Dry limit, Adaptation of drainage to tectonic forcing in the Atacama Desert, second phase, 500,000 € (DFG), with Univ. of Cologne (Binnie and Dunai)

2019: AlpArray SPP 2017, 4D MB, 1 proposal in second phase with Univ. Jena

2019-2022: IGCS: Indo-German center of Sustainability (coordination). 680,000 €/year

2019: RWE project, Seismicity effects on glacial outburst flood, Peru, 40,000 €

2018: IGCS: Indo-German center of Sustainability (coordination). 630,000 €

2018-2023: GetInCicero project on Natural Hazards in Indonesia (BMBF and UGM, Yogyakarta, Java, Indonesia)

2018: DFG-Meteor cruise M152, chief scientist, Off-shore 1755 Lisbon tsunami sediment drilling, Algarve; Portugal, 14 days (per day 60 k€), 25,000 € travel and consumables

2017: SFB 806 Köln/Bonn/Aachen - 3. Phase (2017-2021) C1: Continuity and discontinuity of terrestrial archives – reconstructing Holocene environmental change in the semiarid to sub-humid Western Mediterranean (Post-Doc), 500,000 € (DFG), with Univ. Cologne (Weniger, Brückner)

2017: EU-project "Hercules", Building toward sustainable and resilient infrastructure to geohazards ca. 250,000 €, within large multinational consortium

2017 Organisch-geochemische Indikatoren zur Charakterisierung von rezenten und historischen Tsunamis in Raum und Zeit, 285,440 € (DFG)

2017: SFB 1211, Earth at the Dry limit, Adaptation of drainage to tectonic forcing in the Atacama Desert, Chile; 500,000 € (DFG), with Univ. of Cologne (Binnie and Dunai)

2017: SPP2017, Spannungstransfer und quartäre Bruchprozesse im nördlichen Alpenvorland 244,192 € (DFG)

2017: SPP2017, Erdoberflächenprozesse als Ausdruck quartärer Tektonik und Struktur der flachen Erdkruste in der östlichen Adria-Alpen Kollisionszone und der Friaul-Ebene, 476,124 €; with Univ. Jena and GFZ Potsdam

2017: Industrial cooperation with IRSN (NPP Fessenheim), seismic safety, 150,000 €

2016: BMBF-Project CAME II: Tectonic framework and neotectonic influence on Quaternary sediment pathways north of the Tibetan orogen, Mongolia 2nd phase (160,000 €)

2016: Massive dilatant faults (Iceland), 300,000 € (DFG)

2016: Vulnerability of Roman coastal harbors (Portugal/Spain), ca. 329,000 €, (DFG)

2015: Albania/Montenegro neotectonics 396,200 €, (DFG)

2013: Tsunami deposits on Crete 103,750 €, (DFG)