



Dr. Peter Köhler

*1970

CV

Scientific degree:

PhD in Physics, University of Kassel, Germany	2000
Diploma in Physics, University of Kassel, Germany	1996

Current position:

Senior scientist, Glaciology, AWI	since 2007
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Previous positions:

Co-Speaker of Topic 3 WP 1 within PACES-II	2014-2016
Deputy Head of section Glaciology, AWI	2012-2014
Lecturer, Master program, University of Bremen	2007-2013
Visiting Scientist, University of Bern, Switzerland	2004
Postdoctoral researcher, Glaciology, AWI	2001-2006
Postdoctoral researcher, Ecological Modelling, Helmholtz Centre for Environmental Research - UFZ, Leipzig	2001

Academic honours & services:

Communicator Award of DFG to section Glaciology at AWI (2007); Steering Group Member of BMBF Project PALMOD (Paleo Modeling, German Climate Modelling Initiative; 2015-2019)

Recent Research Topics

paleo carbon cycle; future CO₂ removal mechanisms; paleo climate sensitivity

Publications / Citations

Peer-reviewed publications (total):	60
Peer-reviewed publications (since 2013):	24
H-Index (WoS/Scopus):	24/25
M-Index (WoS: H-Index/years since 1 st publication):	1.3
ORCID: orcid.org/0000-0003-0904-8484	

Publications (5 most relevant since 2013)

Köhler P, Stap LS, von der Heydt AS, de Boer B, van de Wal RSW and J Bloch-Johnson (2017): A state-dependent quantification of climate sensitivity based on paleo data of the last 2.1 million years. **Paleoceanography**: accepted 25 Sep 2017 (doi: 10.1002/2017PA003190).

Köhler P (2016): Using the Suess effect on the stable carbon isotope to distinguish the future from the past in radiocarbon. **Environmental Research Letters** 11: 124016 (doi: 10.1088/1748-9326/11/12/124016).

Köhler P, Knorr G and E Bard (2014): Permafrost thawing as a possible source of abrupt carbon release at the onset of the Bølling/Allerød. **Nature Communications** 5: 5520 (doi:10.1038/ncomms6520).

Parrenin F, Masson-Delmotte V, **Köhler P**, Raynaud D, Paillard D, Schwander J, Barbante C, Landais A, Wegner A and J Jouzel (2013): Synchronous change in atmospheric CO₂ and Antarctic temperature during the last deglacial warming. **Science** 339: 1060-1063 (doi:10.1126/science.1226368).

PALAEOSSENS Project Members (2012): Making sense of palaeoclimate sensitivity. **Nature** 491: 683-691 (doi: 10.1038/nature11574).