

**PERSONAL INFORMATION**

Family name, First name: Simon, Margit

Date of birth: 09.06.1984

Sex: Female

Nationality: German

**EDUCATION**

- 2014            **PhD: Disputation date: 25.09.14 Graduation date: 22.04.15**  
**School of Earth and Ocean Sciences**, Cardiff University, UK, PhD supervisor: Prof. Ian Hall & Prof. Stephen Barker; PhD examiner: Prof. Ulysses Ninnemann & Prof. Paul Pearson
- 2010            **MSc, Geosciences (First-class honours)**, Eberhard Karls University, Tübingen, Germany
- 2005            **BSc, Geology**, University of Leipzig, Germany

**CURRENT AND PREVIOUS POSITIONS**

- since 2016    **Senior Researcher (Forsker II)**, Uni Research Climate/ BCCR, Norway  
Projects: *ERC synergy project ice2ice and Centre of Excellence SapienCE*
- 2017-2027    **Ten-year Researcher position (50% position)** within the Norwegian Centre of Excellence: **SapienCE-**” Centre for Early Sapiens Behaviour. Director: Christopher Stuart Henshilwood (University of Bergen), Norway
- 2016-2017    **Adjunct Associate Research Scientist**, Lamont-Earth Observatory, Columbia University New York City, U.S.A
- 2015-2016    **Postdoctoral Researcher**, Uni Research Climate/ Bjercknes Centre of Climate Research (BCCR), Norway within *the European Research Council funded project Ice2ice under the European Union's Seventh Framework Programme*
- 2014-2015    **Postdoctoral Research Associate**, Climate Change Consortium of Wales, UK
- 2010 – 2013   **Marie Curie Action Early-Stage Researcher**, School of Earth and Ocean Sciences, Cardiff University, UK
- 2008-2010    **Student Research Assistant**, Micropalaeontology working group, Eberhard Karls University, Tübingen, Germany
- 2007-2008    **Student Research Assistant**, Biogeology and Applied Palaeontology Eberhard Karls University, Tübingen, Germany
- 2008           **Geology Intern**, RWE Dea AG, Hamburg, Germany
- 2007           **Geology Intern**, National Research Council (CNR), Bologna, Italy

**FELLOWSHIPS AND AWARDS**

- 2016           **UK NERC IODP Moratorium Award (£70,000)** for research project: ”Pliocene palaeoclimate off SE Africa: Insights from IODP expedition 361.”
- 2015           **Bjercknes Visiting Fellowship Award** to host Dr. Paola Moffa-Sanchez
- 2013           **PAGES and SCOR Travel Award** to attend the 11th International Conference on Palaeoceanography (ICP 2013), Barcelona-Sitges, Spain.
- 2012           **NERC Radiocarbon Dating Award (£13,000)** for research project: “Millennial scale variability in the upstream Agulhas Current and its implications for Agulhas Leakage”.
- 2012           **AGU Chapman Conference Travel Grant Award** to attend Chapman Conference on Agulhas System and its Role in Changing Ocean Circulation, Climate, and Marine Ecosystems, in Stellenbosch, South Africa.

- 2012 **Japan Society for the Promotion of Science Award** for a short research stay at the JAMSTEC institute, Japan. (*Circumstances meant I declined this.*)
- 2012 **DAAD Rise funding award** for German student interns at Cardiff University, UK
- 2012 **Adrian Gill Travel Award** to attend the EGU conference in Vienna, Austria.
- 2011 **UK-IODP scholarship** to attend summer school in Palaeoclimatology, Urbino, Italy
- 2011 **DAAD Rise funding award** for German student interns at Cardiff University, UK
- 2010-2013 **Marie Curie Scholarship** within the 7th Framework Programme of the European Community, School of Earth and Ocean Sciences, Cardiff University
- 2007 **Erasmus Programme Scholarship** to support studies at the University of Florence, Italy.
- 2006 **Student Scholarship of the State of Baden-Württemberg** to support studies at the University of Florence, Italy.

### MOBILITY

- 2016-2017 Lamont-Earth Observatory, Columbia University, New York City, U.S.A  
UK -IODP Moratorium AWARD (*5 months*)
- 2006-2007 Erasmus stay at Florence University, Italy  
Erasmus Programme Scholarship & Student Scholarship of the State of Baden-Württemberg, Germany (*12 months*)

### SUPERVISION OF GRADUATE STUDENTS AND RESEARCH FELLOWS

Number of Postdocs/PhD: 1/ Master Students: 2

- 2018-2022 Main Advisor for PhD Student Evi Naudts within Centre of Excellence: SapienCE  
**Project:** *Hydroclimate variability during the last glacial cycle (100-50 ka) in southern South Africa- did climate change shape early human behavior?*
- 2017-2019 Master Graduate Student Advisor of Bårdsnes, Siv, University of Bergen, Norway  
**Project:** *Investigating the abrupt climate change at the Medieval Climate Anomaly to Little Ice Age transition.*
- 2018-2020 Master Graduate Student Advisor of Irene Arem, University of Bergen, Norway  
**Project:** *Understanding the impact of the Agulhas Current variability on southern South African hydroclimate between 50-60 ka.*

### ORGANISATION OF SCIENTIFIC MEETINGS

- 2019 Session convener: “**On the dynamics of Dansgaard-Oeschger events; perspectives from paleoclimate data and modelling**” at EGU conference 2019, Vienna, Austria.
- 2017 Session convener: “**Palaeoenvironments of Africa: Pliocene to Present**” at PAGES Open Science Meeting, Zaragoza, Spain
- 2014 Workshop related to ERC project “Ice2ice” on “Subpolar gyre dynamics, past, present, future.” Organiser of the event. 50 participants, Bergen, Norway

### COMMISSIONS OF TRUST

- Since 2015 Reviewer for scientific journals: *Climate of the Past, Scientific reports, Geochemistry, Geophysics, Geosystems, EPSL*

### MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- 2019 EGU- Europe’s premier geosciences union
- 2017 Pages consortium working group: PLIOVAR

### MAJOR COLLABORATIONS

**Prof. Sidney Hemming & Prof. Steven Goldstein**, Lamont-Earth Observatory, Columbia University, New York City, U.S.A: Provenance studies along the SE African margin  
Involvement in National Science foundation proposal (NSF) by Sidney Hemming & Steven Goldstein, Lamont-Earth Observatory: “Collaborative Research: Examining linkages between the Agulhas Leakage and AMOC through the Pleistocene”

**Dr Nele Meckler and Dr. Martin Ziegler**, University of Bergen, Norway & Utrecht University, Netherlands: Clumped isotope thermometry on foraminifera

**Dr. Patrick Roberts**, Max Planck Institute for the Science of Human History, Jena, Germany: leaf-wax analysis offshore Southern Cape, South Africa.

### Invited Talks

**University of Vienna, Austria**

Nov 2014

**Simon, M.H.**, Arthur, K.L., Hall, I.R., Peeters, F.J.C., Loveday, B.R., Barker, S., Ziegler, M., Zahn, R.: “Millennial-scale Agulhas Current variability and its implications for salt-leakage through the Indian-Atlantic Ocean Gateway.”

**Science Museum, London, UK**

Jul 2014

“Marine sediments around the south of Africa: Silent witnesses of ancient human innovations tied to climate change.” Public lecture as part of the Climate Changing programme, using the Science on a Sphere spherical projection system created by NOAA.

### FIELDWORK

- 2016 Ice2ice cruise 2016-G.O. SARS, Eirik Drift /North Atlantic, (3 weeks)
- 2016 IODP Expedition 361, South African Climates, Shipboard Scientists (2 months)
- 2015 Ice2ice cruise 2015-G.O. SARS, Greenland Sea, (4 weeks)

### Peer-reviewed articles

#### 2019

1. Muschitiello, F., D'Andrea, W. J., Schmittner, A., Heaton, T. J., Balascio, N. L., deRoberts, N., Caffee, M. W., Woodruff, T. E., Welten, K. C., **Simon, M. H.**, Dokken, T. M. Deep-water circulation changes lead on North Atlantic climate during deglaciation. *Nature Communications, in press*

#### 2018

2. Gruetzner, J., Jimenez Espejo, F.J., Nambiyathodi, L., Uenzelmann-Neben, G., Hall, I. R., Hemming, S.R., LeVay, L.J., Barker, S., Berke, M., Brentegani, L., Caley, T., Cartagena-Sierra, A., Charles, C., Coenen, J., Crespin, J., Franzese, A., Gruetzner, J., Han, X., Hines, S., Jimenez Espejo, F., Just, J., Koutsodendris, A., Kubota, K., Norris, R., D., Periera dos Santos, T., Robinson, R., Rolinson, J., **Simon, M. H.**, Tanguan, D., van der Lubbe, J., Yamane, M. and Zhang, H. A new seismic stratigraphy in the Indian-Atlantic Ocean gateway resembles major paleo-oceanographic changes of the last 7 Ma. *Geochemistry, Geophysics, Geosystems* 19, doi.org/10.1029/2018GC007668
3. Tanguan, Deborah N; Baumann, Karl-Heinz; Just, Janna; LeVay, Leah J; Barker, Stephen; Brentegani, Luna; De Vleeschouwer, David; Hall, Ian R; Hemming, Sidney R; Norris, Richard D; Melissa A. Berke, Thibaut Caley, Alejandra Cartagena-Sierra, Christopher D. Charles, Jason J. Coenen, Julien G. Crespin, Allison M. Franzese, Jens Gruetzner, Xibin Han, Sophia K.V. Hines, Francisco J. Jimenez Espejo, Andreas Koutsodendris, Kaoru Kubota, Nambiyathodi Lathika, Thiago Pereira dos Santos Rebecca Robinson, John M. Rolison, **Simon, M. H.**, Jeroen J.L. van der Lubbe, Masako Yamane, and Hucai Zhang (2018). The last 1 million years of the extinct genus *Discoaster*: Plio–Pleistocene environment and productivity at Site U1476 (Mozambique Channel), *Palaeogeography Palaeoclimatology Palaeoecology* 505:187-197, DOI: 10.1016/j.palaeo.2018.05.043

#### 2017

4. Hall, I., S. Hemming, LeVay, L., Barker, S., Berke, M., Brentegani, L., Caley, T., Cartagena-Sierra, A., Charles, C., Coenen, J., Crespin, J., Franzese, A., Gruetzner, J., Han, X., Hines, S., Jimenez Espejo, F., Just, J., Koutsodendris, A., Kubota, K., Norris, R.D., Periera dos Santos, T., Robinson, R., Rolinson, J., **Simon, M.H.**, Tanguan, D., van der Lubbe, J., Yamane, M. and Zhang, H. (2017), Expedition 361 summary, Proceedings of the International Ocean Discovery Program 361. doi: 10.14379/iodp.proc.361.101.2017. Number of citations: 03

#### 2015

5. **Margit H Simon**, Ziegler, M., Bosmans, J.H.C., Barker, Stephen, Reason, Chris & Hall, Ian (21.12.2015). Eastern South African hydroclimate over the past 270,000 years. *Scientific Reports* 5, Article number: 18153, doi:10.1038/srep18153. Number of citations: 17

6. **Margit H Simon**, Xun Gong, Ian R Hall, Martin Ziegler, Stephen Barker, Gregor Knorr, Marcel TJ Meer, Sebastian Kasper, Stefan Schouten (2015). Salt exchange in the Indian-Atlantic Ocean Gateway since the LGM: A compensating effect between Agulhas Current changes and salinity variations? *Paleoceanography*, 2015PA002842. Number of citations: 14

**2013**

7. **Margit H Simon**, Kristina L Arthur, Ian R Hall, Frank JC Peeters, Benjamin R Loveday, Stephen Barker, Martin Ziegler, Rainer Zahn (2013). Millennial-scale Agulhas Current variability and its implications for salt-leakage through the Indian–Atlantic Ocean Gateway. *Earth and Planetary Science Letters* 383, 101-112, Number of citations: 29
8. Martin Ziegler, **Margit H Simon**, Ian R Hall, Stephen Barker, Chris Stringer, Rainer Zahn (2013). Development of Middle Stone Age innovation linked to rapid climate change. *Nat Commun* 4, 1905, doi:10.1038/ncomms2897. Number of citations: 107

**Research monographs:**

Ocean and land climate dynamics off southeast Africa during the late Pleistocene: A multi-proxy approach: Cardiff University 2014, 207pp. (2014)