

# Curriculum Vitae

## Ricarda Winkelmann

15.07.1985

PhD student (Physics)  
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Potsdam Institute for Climate Impact Research  
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### SCIENTIFIC TALKS AND STAYS ABROAD

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09/2011	Talk at the Conference “Historical Climatology – Past and Future” at the German Historical Institute, Paris
11/2010 – 02/2011	Scientific Expedition to Antarctica (ANT-XXVII/2)
06/2010	Talk at the University of Bonn (Physikalisches Kolloquium)
05/2010	Talk at the European Geosciences Union – General Assembly
09/2009	Summer School on “Ice Sheets and Glaciers in the Climate System” in Karthaus, Italy
12/2008	Visiting Scientist at the University of Alaska, Fairbanks (USA)

### EDUCATION

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since 09/2008	PhD student at Potsdam Institute for Climate Impact Research Research Field: Dynamics of the Antarctic Ice Sheet
07/2008	Diploma in Mathematics at Georg-August-University Goettingen Research Field: Complex Dynamics
09/2004 – 07/2005	Stay Abroad at University of California Santa Barbara (USA)
07/2004	Intermediate Diploma in Physics
04/2004	Intermediate Diploma in Mathematics
10/2002 – 07/2008	Studies of Physics and Mathematics with subsidiary subject Chemistry at Georg-August-University Goettingen
06/2002	Abitur at Gymnasium Marienberg

### OTHER

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since 2010	Member of the International Max Planck Research School on Earth System Modelling (IMPRS-ESM)
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since 2010                      Member of the Potsdam Welcome Center of the University Potsdam, an initiative to assist international guest scholars at the research institutes in Potsdam

2007                                Lecturer at Deutsche Schueler Akademie

## PUBLICATIONS

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R. Winkelmann, M.A. Martin, M. Haseloff, T. Albrecht, E. Bueler, C. Khroulev, A. Levermann  
*The Potsdam Parallel Ice Sheet Model (PISM-PIK), Part 1: Model description*, *The Cryosphere* 5, 2011.

M.A. Martin, R. Winkelmann, M. Haseloff, T. Albrecht, E. Bueler, C. Khroulev, A. Levermann  
*The Potsdam Parallel Ice Sheet Model (PISM-PIK), Part 2: Dynamic equilibrium simulation of the Antarctic Ice Sheet*, *The Cryosphere* 5, 2011.

T. Albrecht, M. Martin, M. Haseloff, R. Winkelmann, A. Levermann  
*Parameterization for Subgrid-Scale Motion of Ice-Shelf Calving Fronts*, *The Cryosphere* 4, 2011.

A. Levermann, T. Albrecht, R. Winkelmann, M. Martin, M. Haseloff, I. Joughin  
*Kinematic First-Order Calving Law implies Potential for Abrupt Ice-Shelf Retreat*, submitted.