

Iselin Medhaug

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Current position: Senior scientist, ETH Zurich

Work experience

08/2016 – present *Senior scientist* in Climate Physics, ETH Zurich, Switzerland
10/2014 – 07/2016 *Postdoctoral researcher* in Climate Physics, ETH Zurich, Switzerland
08/2011 – 09/2014 *Postdoctoral fellow* in Climate Dynamics, University of Bergen (UoB) and Bjerknes Centre for Climate Research (BCCR), Norway (Project: IMMUNITY, WP co-leader)
Summer school coordinator, Advance Climate Dynamics Courses (ACDC 2013, 2014)
Member of the ResClim secretariat (National research school in climate dynamics)
01/2012 – 12/2012 *Visiting researcher*, Imperial College London, UK
02/2011 – 05/2011 *Research scientist*, BCCR and UoB, Norway (Project: DecCen)
11/2007 – 12/2007 *Research assistant* (25 %), BCCR, UNIFOB AS, Norway (Project: STOPEX)
06/2007 – 08/2007 *Project employee*, responsible for administrative tasks and organizing a European Summer School (COIMBRA), UoB, Norway
05/2005 – 05/2007 *Meteorology consultant* (part time), Norwegian Meteorological Institute, div. for western Norway
08/2005, 2006 *Class leader* at the Faculty of Mathematical and Natural sciences, UoB

Teaching experience

Spring 2014 GEOF 110 - Introduction to atmosphere-ocean dynamics (BSc level), UoB (Teaching assistant)
Autumn 2011, 2012 GEOF 230 - Physical-biological coupling in marine ecosystems (MSc level), UoB (Lecturer)

Supervision

03/2016 – 06/2016 Maurice Huguenin-Virchaux (BSc student, ETH Zürich)
04/2015 – Martin Stolpe (PhD student, ETH Zürich)

Education

Geophysical institute, University of Bergen, Bergen, Norway
01/2008 – 05/2011 Ph.D., Climate Dynamics
- Thesis title: North Atlantic multidecadal variability in coupled climate models - Mechanisms and responses
- Project: Climate of Norway and the Arctic in the 21st century (NorClim)
- Supervisors: Tore Furevik, Asgeir Sorteberg and Nils Gunnar Kvamstø
- Courses in data analysis
08/2007 – 12/2007 Post-student
- Courses in paleo-climatology and numerical ocean modelling
08/2005 – 06/2007 M.Sc., Meteorology
- Thesis title: Reconstruction of UV-radiation and its potential implications on development of skin cancer
- Supervisors: Jan Asle Olseth and Joachim Reuder
- Courses in radiation, remote sensing, atmospheric dynamics and turbulence
08/2002 – 06/2005 B.Sc., Meteorology and Oceanography
- Courses in mathematics, statistics, physics, climatology, meteorology and oceanography

Summer/winter schools and short courses

09/2016 – 12/2016 CTI Entrepreneurship Training – Business concepts
09/2016 Project Management for Research, Zürich, Switzerland
07/2015 Leadership competencies, Zurich, Switzerland
02/2015 CCES Winter School – “Policy meets practice, 2015”, Wislikofen, Switzerland

09/2013	Science communication course, Finse, Norway
09/2011	“Advanced Climate Dynamics Courses 2011– Dynamics of past warm climates”, Friday Harbor, Washington, USA
09/2010	“Academic writing course” with Daniel Soule (Glasgow Caledonian University), Runde, Norway
06/2010	“Advanced Statistics Training for Climate Research” with David Stephenson and Renato Vitolo (University of Exeter), Bergen, Norway
06/2009	“Advanced Climate Dynamics Courses 2009 – Ocean Overturning Circulation”, Bergen, Norway
11/2008	“Climate teleconnection between high and low latitudes”, Beijing, China
06/2007	“Transferable and professional challenges in interdisciplinary global climate research – A summer school for future European research leaders”, Bergen, Norway

Field work and research cruise experience

Autumn 2008	Student cruise to Sognefjorden with R/V Håkon Mosby. Cruise leader: Tor Gammelsrød. Instruments: CTD, RCM, ADCP
Spring 2007	Field course in meteorology, Andøya Rocket Range, NAROM, Andenes. Instruments: Tethered balloon, radio-sonde, sonic-anemometer
Spring 2006	Field course in meteorology, Bergen. Instruments: Anemometers, wind vane, temperature sensors, psychrometer, radiometer, pyranometer, pyrheliometer, automatic weather stations, tethered balloon

Programming skills

Matlab, Latex, Mac, Linux – daily use
Fortran, shell, CDO, NCO – basic knowledge

Voluntary work

2010 – 2015	Member of the board (2010-2012), vice chairman (2013-2015) of the co-op housing, Lungegaarden Borettslag
2008-2010, 2013-2014	Representative for the temporary employees, Institute council, Geophysical Institute, University of Bergen (UoB)
2007	Vice chairman for the Bergen Student sail club (BSI sailing)
2005 – 2007	Student representative, Institute council, Geophysical Institute, UoB
2005 – 2006	Student representative, Room-committee, Geophysical Institute, UoB
2005 – 2007	Member of the student council, Geophysical Institute, UoB
2005 – 2007	Member of the HSE-committee, Geophysical Institute, UoB

Scholarships

”Felleslegatet til fordel for geofysisk forskning (2007)” [Scholarship for geophysical research (research collaboration)]; 10 000 NOK
ResClim (Research School in Climate Dynamics) grant for a short research stay at University of Washington, Seattle, USA (2010); 13 000 NOK
”Felleslegatet til fordel for geofysisk forskning (2012)” [Scholarship for geophysical research (research stay in London)]; 22 000 NOK

Project proposals and grants

Framework to investigate forcings and decadal variability processes: a case study of temperature hiatus (FramDeVA); 6 mill. NOK (partially accepted).

Awards

“Young and aspiring, 2013” – Bergens Tidene.
Winner of the “Climanosco launce challenge, 2016” writing competition

Languages

Norwegian (fluent written and spoken), English (fluent written and spoken), German (intermediate)

Reviewer for

Climate Dynamics	Journal of Geophysical Research
International Journal of Climatology	Progress in Oceanography
Journal of Climate	Science Asia

Memberships

EGU, Association of Polar Early Career Scientists (APECS), Young Earth System Scientists community (YESS)

Other

Writer for and participant of ClimateSnack/SciSnack (scisnack.com)

Writer for and contributor to “2°C” – status of climate science (www.tograder.no)

Writer for and contributor to Store Norske Leksikon – Norwegian Encyclopedia (www.snl.no)

Writer for and contributor to Climanosco (www.climanosco.com)