

## *Curriculum Vitae*

# Peter L. Langen

<b>Personal</b>	Born 17 Jan, 1978 (age 45). Danish. Married to Sara and has three children. Home address: Bakkekammen 22, 2700 Brønshøj, Denmark.
<b>Scientific focus areas</b>	PLL is an expert on <b>climate models</b> and applying them to both large- and small-scale questions relating to <b>Arctic climate change</b> . PLL has worked mainly with the topic of Arctic amplification and the coupling between the Arctic and lower latitudes and with the build-up, maintenance and melting of the <b>Greenland Ice Sheet</b> in <b>past, present and future climates</b> .
<b>Current position</b>	<b>Professor of Climate Modeling</b> Department of Environmental Science, Aarhus University  <b>Centre Director</b> iClimate, Aarhus University Interdisciplinary Centre for Climate Change
<b>Degrees</b>	In Meteorology and Geophysics at Niels Bohr Institute, University of Copenhagen, BSc June 2000, MSc Aug 2002, PhD Sep 2005.
<b>Previous positions</b>	<b>Head of Climate Research</b> , Research and Development, Danish Meteorological Institute, DMI (2017-2020). Leader for ~20 scientists.  <b>Adjoint Associate Professor of Climate Physics</b> Niels Bohr Institute (NBI), University of Copenhagen (2014-2022)  <b>Climate Scientist</b> , Climate and Arctic Research, DMI (2012-2017)  <b>Research associate professor</b> , Centre for Ice and Climate, NBI (2011-2012)  <b>Guest researcher/lecturer</b> , Department of Meteorology and the Bert Bolin Centre for Climate Research, Stockholm University (2009-2010)  <b>Post doc</b> , Centre for Ice and Climate, NBI (2008-2009)  <b>Carlsberg Foundation post doc scholar</b> , NBI (2006-2008)
<b>Teaching and supervision</b>	Higher Education Teaching and Teaching Practice Programme ( <i>Adjunktpædagogikum</i> ) 2011-2012.  Member of the Danish <b>consorkorps</b> in physics (2013-) and engineering (2016-)  <b>Supervisor</b> for 8 <b>MSc</b> , 10 <b>BSc</b> and (co-)supervisor for 10 <b>PhD</b> students. As a leader of climate research at DMI, I mentored both <b>postdocs</b> and junior researchers.  (Co-)responsible lecturer in ~15 undergraduate and graduate-level <b>courses</b> in meteorology and climate. Co-organized 3 PhD <b>summer schools</b> .
<b>Honors and awards</b>	Nominated for "Teacher of the year 2009" at the Faculty of Science, Uni. Cph. Awarded a Faculty PhD stipend, University of Copenhagen (2002-2005) Awarded a Carlsberg Foundation research scholarship (2006-2007)

<b>Field work</b>	<p><b>Ice core drilling:</b> Central Greenland, NEEM project 2008 (1 month), Northeast Greenland, Flade Isblink 2006 (1 month)</p> <p><b>Oceanographic cruises:</b> Arctic Ocean, I/B Kapitan Dranitsyn 2005 (1 month), North Atlantic, R/V Poseidon 2002 (2 weeks)</p>
<b>Scientific community activities, boards and committees</b>	<p><b>Lead author</b> on the “Climatic Drivers” chapter in the Arctic Monitoring and Assessment Programme (AMAP) report Adaptation Actions for a Changing Arctic: Perspectives from the Baffin Bay/Davis Strait Region (2018).</p> <p><b>Member</b></p> <ul style="list-style-type: none"> <li>• of the Ministry of Higher Education and Science H2020 Climate reference group.</li> <li>• of the Danish e-Infrastructure Consortium Science Forum</li> <li>• of the AU High Performance Supercomputing Forum</li> <li>• of the AU Faculty of Technical Sciences Digital Infrastructure Committee</li> <li>• Chairman of the Research Committee at the Department of Env. Sci., AU.</li> <li>• of The Research Council of Norway’s board for Large-scale Programme on Climate Research (KLIMAFORSK), funding research activities in all climate-related fields and disciplines (2017-2019).</li> </ul> <p><b>Reviewer</b></p> <ul style="list-style-type: none"> <li>• for Journal of Climate, Geophysical Research Letters, Journal of Geophysical Research, Journal of the Atmospheric Sciences, Quaternary Science Reviews, Climate Dynamics, International Journal of Climatology, Journal of Glaciology, Climate of the Past and The Cryosphere</li> <li>• on NOAA’s Arctic Report Card</li> <li>• on various international grant applications for funding agencies.</li> </ul>
<b>Outreach activities</b>	<p>Founding project leader and coordinator (2012-2015) on the joint DMI, GEUS and DTU effort <b>PolarPortal.dk</b> to communicate real-time developments in Arctic ice, weather and climate.</p> <p>National <b>television</b> studio interviews, <b>radio</b> interviews, <b>press</b> interviews (printed and online) in Danish and international media. News pieces on <b>DMI.dk</b> (approx. 30), <b>Letters and op-eds</b> in major national newspapers</p> <p>Countless <b>public talks</b> to audiences ranging from school children to politicians – incl. a personal briefing of a minister for the environment.</p>
<b>End-user consultation</b>	<p>As <b>scientific project leader on the Danish Climate Atlas</b> at the Danish Meteorological Institute (2017-2019), I have been deeply involved in extensive end-user consultation with municipalities, ministries, government agencies, utility companies, consulting engineers, emergency planners, infrastructure providers and many other potential users of the Atlas. This has given me valuable experience in talking to representatives from many different types of organizations and translating their wishes and needs into concrete deliverables that can be extracted from weather observations and climate model output.</p> <p>Several smaller consulting tasks, extracting climate data and presenting it for downstream users within municipalities, consultants, ministries, universities and more.</p>