

## Short Curriculum Vitae for Eigil Kaas



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**Present Occupation:** Professor in Meteorology, Niels Bohr Institute, University of Copenhagen.  
**University degrees:** 1987 MSc Meteorology, 1993 PhD in Meteorology

### Previous employment record:

1982-1984 Student programmer at the Danish Meteorological Institute (DMI)  
1984-1985 Student programmer at University of Copenhagen.  
1985-1987 Assistant in the first HIRLAM project  
1987-1989 Scientific Assistant at DMI  
1989-1993 Ph.D student at University of Copenhagen  
1993-1998 Scientific Assistant at DMI  
1998-2006 Head of Climate Research Division at DMI.  
2006-2006 Head of NWP Research Division at DMI  
2010-2017 Head of Climate and Computational Geophysics Section at NBI

### Selected scientific projects and activities:

1993-1998: PI at DMI on the (NMR) project: "Nordic Climate Modelling Project (NOCLIMP)."  
1994-1997: PI at DMI on the EU project: WASA.  
1996-1998: PI at DMI on the EU project: ADVICE.  
1996-1998: PI at DMI on the EU project: MILLENNIA  
1996-1998: PI at DMI on the EU project: PROVOST  
1998-2000: International coordinator of the EU project STOWASUS-2100 (Regional storm, wave and surge scenarios for the 2100 century).  
1998-2000: International coordinator of the EU project POTENTIALS (Project On tendency Evaluations using New Techniques to Improve Atmospheric Long-term Simulations)  
2000-2003: PI at DMI on the EU project: PREDICATE  
2004-2009: Work package leader and PI at DMI in the EU-project ENSEMBLES  
2007-2012: Director of the Centre for Energy Environment and Health ([www.ceeh.dk](http://www.ceeh.dk))  
2007-2011: Part time staff member of the Centre for Ice and Climate (<http://www.isogklima.nbi.ku.dk/>).  
2011-2015: PI at University of Copenhagen on the EU project PEGASOS.  
2014-2016 Participant (in collaboration with DMI) in the NordForsk project CarboNord.

### Scientific articles (ORCID 0000-0001-6970-2404):

- 54 reviewed scientific articles/book chapters
- 25+ reviewed and non-reviewed scientific reports/articles/book chapters

### Seminar and conference presentations:

- In the order of 410 oral presentations at international conferences, seminars, workshops and symposia. Approximately 35 invited talks.

### Current research and teaching areas:

- Climate/atmospheric model development (dynamical core)
- Simulating and understanding the climate evolution in the 20<sup>th</sup> century.
- Consistent simulation of tracers, e.g. chemical tracers, in atmospheric models.
- A list of supervised PhD (= 9) and MSc (= 35) projects since 2006 can be found on my [personal web site](#).

### Popularization of research

- In the order of 115 interviews in Danish (and a few foreign) Radio channels and Danish Television about atmospheric physics, weather and climate research.
- Approximately 500 interviews in popular articles in newspapers and other media on climate change and variability, and on physics of the atmosphere.
- Blogger (2008-2009) on climate change at [ing.dk](http://ing.dk)

### Review activities

Reviewer on numerous scientific articles in the areas of large scale atmospheric dynamics, statistical downscaling and in numerical techniques for the journals "Journal of Atmospheric Science", "Tellus", "Atmosphere and Ocean", "Atmospheric Research", "Climate Research", "The Atmosphere - Ocean System", "Journal of Geophysical Research", "Geophysical Research Letters", "Climate Dynamics", and "Journal of Computational Physics".

### Committees and councils (last 5 years)

Member of the review board for the international scientific journal "Climate Research" (1999-2007).  
Member of the Danish National Committee for the International Polar Year.  
Member of the Ph.D. committee of the Copenhagen Global Change Initiative (COGCI) (2000-2006).  
Member of the Danish National Committee for Climate Research (2001-2012).  
Member of the Climate Panel at University of Copenhagen (2008-2012).  
President of the Danish Meteorological Society. (2007- ...)  
Member of the Scientific Advisory Board of the Oxford Res. Encyclopedia of Climate Science (2014...)  
Appointed member of the Scientific Advisory Committee (SAC) for the European Centre for Medium Range Weather Forecasting (ECMWF) (2014 ...)