

## Short CV for Eigil Kaas.

(See also: <http://www.gfy.ku.dk/~kaas/documents/CV.pdf> )

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**Occupation:** Scientific leader of the National Danish Centre for Climate Research (NCKF) hosted by DMI (since 2021). Professor in Meteorology (since 1/4 2006), Niels Bohr Institute (NBI), University of Copenhagen

**University degrees:** 1987 MSc Meteorology  
1993 PhD in Meteorology

### 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 Nordic HIRLAM project  
1987-1989 Scientific Assistant at DMI  
1989-1993 Ph.D student at University of Copenhagen / DMI  
1993-1998 Scientific Assistant at DMI  
1998-2006 Head of Climate Research Division at DMI.  
2012-2017 Head of Climate and Geophysics Section at NBI

### Scientific areas

Climate research with focus on climate dynamics, meteorology and numerical methods used in atmospheric models for climate and numerical weather prediction (NWP). Recently also nowcasting, machine learning and usage of crowd sourced data in NWP.

### Selected scientific projects and activities:

1993-1998: PI at DMI in the Nordic Council of Ministers (NMR) project: "Nordic Climate Modelling Project (NOCLIMP)."  
1994-1997: PI at DMI in the EU-funded project: "Impact of storms on waves and surges: Changing climate in the past 100 years and perspectives for the future (WASA)".  
1996-1998: PI at DMI in the EU-funded project: "Annual to Decadal Variations In Climate in Europe (ADVICE)".  
1996-1998: PI at DMI in the EU-funded project: "Numerical Simulation and Analysis of Climate Variability on Decadal and Centennial Time Scales (MILLENNIA)"  
1996-1998: PI at DMI in the EU-funded project: "A European Programme on Prediction of Climate Variations on Seasonal and Interannual Timescales (PROVOST)"  
1998-2000: International coordinator of the EU-project "STOrms WAVes and SURgeS in the 21<sup>st</sup> Century" (STOWASUS-2100).  
1998-2000: International coordinator of the EU-project "Project On Tendency Evaluations using New Techniques to Improve Atmospheric Long-term Simulations" (POTENTIALS).  
1998-2001: PI at DMI in the EU-funded project: "A Concerted Action Towards the Improved Understanding and Application of Results from Climate Model Experiments in European Climate Change Impacts Research"  
2000-2003: PI at DMI in the EU-funded project: "Mechanisms and Predictability of Decadal Fluctuations in Atlantic-European Climate (PREDICATE)"  
2004-2009: Work package leader and PI at DMI in the EU-project ENSEMBLES  
2007-2018: Member of the scientific staff (part time) of the Centre for Ice and Climate

(<http://www.isogklima.nbi.ku.dk/>).

2007-2012: Leader (Director) of the Centre for Energy Environment and Health ([www.ceeoh.dk](http://www.ceeoh.dk))

2011-2015: PI at NBI (in collaboration with DMI) in the EU-funded project: PEGASOS (Pan European Gas-Aerosols-Climate Interaction Study (Contract no.: No 265148)

2014-2016: Participant (in collaboration with DMI) in the NordForsk project CarboNord.

### **Supervision:**

I am supervising 2 ongoing PhD projects. Since 2006, I have successfully finalised supervision of 12 PhD projects and 35 MSc projects, see, e.g., <http://www.gfy.ku.dk/~kaas/>

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### **Scientific articles:**

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

### **Seminar and conference presentations:**

In the order of 420 oral presentations at international conferences, seminars, workshops and symposia. Approximately 35 invited talks.

### **Popularization of research**

- In the order of 200 interviews in Danish Radio channels and Danish TV broadcasting companies about climate research, atmospheric dynamics and NWP.
- 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 several 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", Quarterly Journal of the Royal Meteorological Society, "Journal of Computational Physics", "Climate Dynamics", and Geoscientific Model Development.

### **Censorship**

PhD evaluator on a considerable number of Danish and foreign PhD projects/theses.

### **Committees and councils**

- Member of the review board for the international scientific journal "Climate Research" (1999-2006).
- 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-).
- Member of the Climate Panel at University of Copenhagen (2008-2010).
- Chairman (president) of the Danish Meteorological Society. (2007- ...)
- Appointed member of the Scientific Advisory Committee for the European Centre for Medium Range Weather Forecasting (ECMWF) (2014 ...) with responsibility for dynamical cores and numerical methods.