

Short Curriculum Vitae for Eigil Kaas



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Present Occupations: Researcher at the National Climate Research Centre (NCKF), at DMI (90%)
Professor in Meteorology, Niels Bohr Institute, University of Copenhagen (10%)
Main personal dates: Birth: 3 April 1958. MSc Meteorology: 1987. PhD in Meteorology: 1993
ORCID: 0000-0001-6970-2404

Previous employment record:

1982-1985 Student programmer at the DMI and University of Copenhagen
1985-1987 Assistant in the first HIRLAM project and 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
2006-2021 Professor and part of the time Head of Climate and Computational Geophysics Section at NBI
2021- Scientific Leader of the National Climate Research Centre (NCKF), at DMI (90%) (still 10% 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)
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.
2018-2023: 6 PhD projects funded by the EU and the Innovation Foundation, Denmark and the NCKF

Scientific articles etc.:

- 62 reviewed scientific articles/book chapters
- 30+ reviewed and non-reviewed scientific reports/articles/book chapters
- Citation record (Web-of-Science). Times cited in total 1,922 with 1,877 times without self-citations. Average citations per article 34.32. Google Scholar: total of 2832 citations.
- H-Indices. 23 (Web-of-Science), 29 (Google Scholar)

Seminar and conference presentations:

- In the order of 410 oral presentations at international conferences, seminars, workshops and symposia. Approximately 46 invited talks.

Current research and teaching areas:

- Climate/atmospheric model development (dynamical core)
- Simulating and understanding the climate evolution in the 20th century.
- Consistent simulation of tracers, e.g. chemical tracers, in atmospheric models.
- Successfully supervised (as main supervisor) 12 PhD and 35 MSc projects since 2006.

Popularization of research

- In the order of 150 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

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. (2007-2018 (currently vice-president))
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 ...)