

# CURRICULUM VITAE

- Name: Kristofer Döös
- Citizenship: Swedish
- Birthplace and date of birth: Stockholm 12 July 1959.
- Elementary school: Ecole Moser, Genève, 1970-1974
- Secondary School: Sigtunastiftelsens Humanistiska Läroverk, 1974-1978

## Degrees:

- Master of Science in oceanography at Stockholm University and at University of Göteborg in October 1983.
- Diplôme d'études approfondies en océanologie et météorologie at Université de Pierre et Marie Curie in Paris in October 1984.
- Ph.D. in oceanography at Université de Pierre et Marie Curie in Paris the 13 January 1989. Title: Etude numérique de la variabilité saisonnière dans l'océan Atlantique tropicale.
- Docent (associate professor) of physical oceanography, Stockholm University, February 2002.
- Professor of climate modelling, Stockholm University, January 2010.

## Employments:

- High Scientific Officer at the Institute of Oceanographic Sciences Deacon Laboratory in Wormley, UK. The overall responsibilities were to carry out original research making use of the FRAM (Fine Resolution Antarctic Model) data. September 1990 to August 1995.
- Senior Scientific Officer at SOC (Southampton Oceanography Centre) in Southampton, UK. The overall responsibilities were to carry out original research making use of the OCCAM (Ocean Climate Circulation Advanced Modelling). September 1995 to June 1997.
- Researcher as associate professor at the Department of Meteorology, Stockholm University, main activities: research and teaching. June 1997- February 2008.
- Lecturer in climate modelling at the Department of Meteorology, Stockholm University, main activities: climate modelling and lecturing. March 2008 - December 2009.
- Professor of climate modelling at the Department of Meteorology financed by the Bert Bolin Centre for Climate Research, Stockholm University. Main activities: research, supervising and lecturing. Since January 2010.

## Visiting scientist at:

- Laboratoire de Physique des Océans at Université de Bretagne Occidentale. July-August 1998, 2000, 2001
- IFREMER (Institut Français de Recherche pour l'Exploitation de la Mer). August 1996-February 1997
- Peking University. April-May 2011
- Centre for Australian Weather and Climate Research. Hobart, Australia December 2011-February 2012

- University of New South Wales, Sydney, Australia November 2018-April 2019

### **Assignments:**

- Coordinator of the EU project TRACMASS (Tracing the Water Masses of the North Atlantic and the Mediterranean). 1998-2001.
- Board member of Stockholm Water Foundation. 2000-2002.
- Guest professor at Université de Bretagne Occidentale. 2001
- Board member of Stockholmspartiet, 2002-2004.
- Member Scientific Committee on Oceanic Research (SCOR) WG 111, 2002-2008.
- Topic editor for Ocean Science, 2004-2009.
- Board member of the Department of Meteorology, Stockholm University, since 2012.

### **Teaching:**

- Bachelor, Master and PhD courses at the Department of Meteorology, Stockholm University.
- Development of the course "Numerical modelling in meteorology and oceanography", where the compendium is to be published as a book in 2019. [http://doos.misu.su.se/pub/numerical\\_methods.pdf](http://doos.misu.su.se/pub/numerical_methods.pdf)
- Guest lectures at Université de Bretagne Occidentale
- Director of Studies, Since 2016.

### **Supervision of doctoral students:**

- Bror Jönsson (dissertation 13 May 2005)
- Moundeur Zarroug (dissertation 23 April 2010)
- Hanna Corell (dissertation 1 June 2012)
- Maxime Ballarotta (dissertation 24 May 2013)
- Sebastian Mårtensson (dissertation 22 October 2013)
- Joakim Kjellsson (dissertation 7 February 2014)
- Magnus Hieronymus (dissertation 3 June 2014)
- Aitor Aldama Campino (Since September 2014)
- Sara Beglund (Since April 2016)
- Dipanjan Dey (Since June 2017)

### **Supervision of post-docs:**

- Donatella Faggioli 1999-2000
- Pedro de Vries 1999-2001

### **Opponent and member of examination boards of doctoral dissertations:**

- Mattias Green, University of Göteborg, 27 February, 2004
- Olof Dahl, University of Göteborg, 31 May, 2006
- Bert Viikmäe, Tallinn University of Technology, 3 March, 2014

- Andrea Giudici, Tallinn University of Technology, 27 January, 2015

### **External research grants**

- PI for the commissioned research funded by the Hadley Centre, Met. Office, U.K. Sub-grid parameterisation for ocean models and the effects of resolution. See reports 1, 2 and 3. 1993-1995.
- Coordinator of the EU project TRACMASS (Tracing the Water Masses of the North Atlantic and the Mediterranean). 1998-2001. Funding: 1,000,000 Eur for five partners.
- Swedish regional climate modelling programme (SweClim-MISTRA) 1997-2003, 50% of my salary
- Naturvårdsverket, 1998, Modellerings och mätning av strömmarna i Östersjön. 100,000 SEK
- EU project Meridional Overturning Exchange with the Nordic Seas (MOEN) 2003-2005, 50% of my salary
- Vetenskapsrådet, 2003-2005: Tracing the global water cycle with Lagrangian trajectories using a coupled ocean-land-atmosphere circulation model and evaluating the possible consequences of an increased greenhouse effect. 1,216,800 SEK
- Funding from SKB (Swedish Nuclear Fuel and Waste Management Company), 2006-2007
- Vetenskapsrådet, 2006-2008: The influence of the heat transports by the large-scale ocean currents on the anthropogenically induced global climatic change and how well they are simulated in present climate models, 50% of my salary
- Vetenskapsrådet, 2006-2008: Demographic and genetic connectivity of marine populations: oceanographic and biological modelling of dispersal, 25% of my salary
- EU-Bonus project BalticWay, 2008-2011: 303000 Euros
- EU-Bonus project BaltGene, 2008-2011
- Vetenskapsrådet, 2016-2019: The coupled ocean-atmosphere climate system in temperature-salinity-humidity space. 3,285,000 SEK

### **Fieldwork experience:**

- Participated in First GARP Global Experiment on board R/V Discoverer (NOAA), Jan-Feb 1979
- Deployment of 10 surface drifters in the Baltic Sea from M/S Silja Festival at 4 different occasions between 2010 and 2011.

### **Languages:**

- Swedish, mother tongue
- English, working language, former British civil servant
- French, fluent and spoken since the age of 11