

# 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

## Higher education 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.

## Doctoral degree

- Ph.D. in oceanography at Université Pierre et Marie Curie in Paris the 13 January 1989. Title: Etude numérique de la variabilité saisonnière dans l'océan Atlantique tropicale.

## Docent

- Docent (associate professor) of physical oceanography, Stockholm University, February 2002.

## Present position

- Professor of climate modelling appointed by the BBCC (Bert Bolin Centre for Climate Research), Stockholm University, January 2010.

## Previous positions

- High Scientific Officer at the Institute of Oceanographic Sciences Deacon Laboratory in Wormley, UK. The overall responsibilities was 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 was 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.

## Main supervisor of doctoral students:

- Bror Jönsson (dissertation 13 May 2005)
- Hanna Corell (dissertation 1 June 2012)
- Maxime Ballarotta (dissertation 24 May 2013)
- Joakim Kjellsson (dissertation 7 February 2014)
- Aitor Aldama Campino (dissertation 24 October 2019)
- Dipanjan Dey (dissertation June 2021)
- Sara Beglund (dissertation December 2021)
- Verena Jung (since September 2023)

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

- Donatella Faggioli 1999-2000
- Pedro de Vries 1999-2001
- Aitor Aldama Campino 2020-2022

### **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

### **External research grants**

- 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.
- EU project TRACMASS (Tracing the Water Masses of the North Atlantic and the Mediterranean). 1998-2001. Funding: 1,000,000 Euros for five partners.
- Swedish regional climate modelling programme (SweClim-MISTRA) 1997-2003, 50% of my salary
- Naturvårdsverket, 1998, Modellering 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
- Swedish Research Council, 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
- SKB (Swedish Nuclear Fuel and Waste Management Company), 2006-2007
- Swedish Research Council, 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
- Swedish Research Council, 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: 1 PhD student
- Swedish Research Council, 2016-2020: The coupled ocean-atmosphere climate system in temperature-salinity-humidity space. 3,285,000 SEK
- Swedish Research Council, 2020-2024: Inter-ocean exchange of freshwater and heat through both the ocean and the atmosphere in a warmer climate. 3,562,000 SEK
- Swedish National Space Agency, 2023-2027: Lagrangian decomposition of the Ocean Circulation Observed from Space. 5,718,000 SEK

### **Open-access computer programs**

The Lagrangian trajectory model code TRACMASS: <http://tracmass.org/> and <https://github.com/does/tracmass>.