

PERSONAL INFORMATION

Maria Andersson

 Sven Källfelts gata 15, Västra Frölunda, 426 71, Sweden

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 Maria.Andersson@smhi.se

POSITION

Data manager within CMEMS for Baltic INSTAC

WORK EXPERIENCE

September 2011 – present

Oceanographer

Swedish Meteorological and Hydrological Institute (SMHI)

www.smhi.se

- Hydrodynamic modelling of waste water on local scale with Delft3D-Flow
- Wave modelling on local scale with SWAN and Delft3D-Wave
- Extreme values of sea levels based on observations

EDUCATION AND TRAINING

March 2008 – June 2011

PhD student in Oceanography

Geophysical Institute, University of Bergen, Bergen, Norway.

- Exploring current, eddy and diffusivity variability in the Nordic Seas with surface drifters

June 2007

M. Sc. in Physical Oceanography

Earth science centre, University of Gothenburg, Gothenburg, Sweden.

- Investigation of high frequency internal oscillations in the Arkona Sea

January – May 2006

Exchange studies supported by the Linnaeus-Palme foundation

University of Concepción, Concepción, Chile.

- Investigation of the internal motion in the Comau fjord, Chile

PERSONAL SKILLS

Mother tongue

Swedish

Other language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](http://www.cedefop.europa.eu)

Computer skills

- Very good command of programming languages: MATLAB
- Basic command of programming languages: R, Python
- Very good command of Delft3D-Flow, Delft3D-Wave, SWAN, CORMIX
- Basic command of ArcGIS and QGIS
- Very good command of word processing: LateX, Microsoft Word

Driving licence B

ADDITIONAL INFORMATION

Presentations

- M. Andersson, K. A. Orvik, J. H. LaCasce, I. Koszalka, and C. Mauritzen, 2011. Variability of the Norwegian Atlantic Current and associated eddy field from surface drifters. *J. Geophys. Res.*, 116, C08032, doi:10.1029/2011JC007078.
- I. Koszalka, J. H. LaCasce, M. Andersson, K. A. Orvik, and C. Mauritzen, 2011. Surface circulation in the Nordic Seas from clustered drifters. *Deep-Sea Res.* 58, 468-485.

Conferences

- NORKLIMA - forskerkonferanse. POLEWARD - A drifter experiment to quantify the poleward transport, transformation and spreading of oceanic properties. *Poster presentation*, 19-20 October 2009, Bergen, Norway.
- LAPCOD - Lagrangian Analysis and Prediction of Coastal and Ocean Dynamics. Structure and variability of the Norwegian Atlantic Current and associated eddy field from surface drifters. *Oral presentation*, 7-11 September 2009, La Londe, France.
- EGU - European Geosciences Union. On the seasonal variability of the eddy field in the eastern part of the Nordic Seas. *Poster presentation*, 19-24 April 2009, Vienna, Austria.

Seminars

- Water mass transformation in the Nordic Seas. *Oral presentation*, 22-23 March 2010, Bergen, Norway.
- iAOOS/POLEWARD, Closing the loop. *Oral presentation*, 7-9 February 2010, Rømskog, Norway.
- iAOOS - Norway, Norwegian Atlantic Current meeting. *Oral presentation*, 31 August – 2 September 2009, Tromsø, Norway.
- iAOOS - Norway, Annual meeting. *Oral presentation*, 7-8 January 2009, Tromsø, Norway.

PhD Courses

- Data Analysis Methods in Physical Oceanography - 10 ECTS
- Numerical Modeling - 10 ECTS
- Geophysics of Renewable Energy - 5 ECTS
- Theory of Science and Ethics - 3 ECTS
- Advanced Statistics Training for Climate Research - 2 ECTS
- Transferable Skills Course, Scientific Writing - 2 ECTS