



I have a master in physical geography from the University of Copenhagen in 2008 and have mainly worked with hydrology and hydrological modelling, pedology and the nutrient cycle. In my bachelor project I used historic data on nutrients from Odense Å from the period 1964-2002 and documented a significant increase up to the implementation of the first Action Plan on the Aquatic Environmental in the late 1980's, followed by a decrease in nutrients in the river. In my master project I collected data in a number of streams and catchments, conducted analyses in the lab and finally modelled hydrology, nitrogen and stream ecology in a small stream in the southern part of Jutland using MIKE 11 and ECOLAB. After my master I worked eight months as scientific assistant, partly teaching and partly at a project on ice melting in Greenland including both field work and modelling using MIKE SHE.

In the HYACINTS project I work as a PhD student until 2013, Karsten Høgh Jensen, Jens Christian Refsgaard, Jens Hesselbjerg Christensen and Mike Butts being my advisers. During the project I initially worked at DMI, and now I am at the Department of Geography and Geology at the University of Copenhagen. I work with the dynamic coupling of the regional climate model HIRHAM and the DK-model based on MIKE SHE developed by DHI and GEUS. I have so far conducted two studies: 1) Testing the sensitivity of HIRHAM towards domain characteristics as grid size, domain size and domain location; 2) Implementing the atmosphere-surface module SWET in a MIKE SHE setup based on three frequently seen surface types. Experiences from these two studies are incorporated into a coupled setup of a catchment in the Skjern Å area.