Acknowledgements

A PhD is a project that involves many different types of work, which makes it a very interesting and enlightening period. In my case doing a PhD consisted of a lot of fieldwork and technical work in workshops, analysing samples in laboratories, computer programming and modelling, writing scientific papers and, finally, compiling this thesis. Also, a lot of reading and learning about greenhouse gases, peat areas, measurement set-ups and climate change was required, as well as attending various workshops and conferences about these topics. I could not have managed to do all of this work within four years without the help of many people. Working with them also made my PhD a much more fun period, and here I would like to show them my appreciation.

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