



Marit Halvorsen

Associate Professor of Forest Ecology · Docent

M.HALVORSEN@EXAMPLE.ORG · +46 90 000 00 00 · UMEÅ, SWEDEN · EXAMPLE.ORG

Forest ecologist working on soil carbon, deadwood decay and peatland hydrology in boreal Fennoscandia. Principal investigator of the Storbäcken plot network, remeasured every autumn since 1994. Considering senior appointments from January 2027; open to collaboration and to doctoral applications for autumn 2027.

APPOINTMENTS

Associate Professor of Forest Ecology

2019 — PRESENT

Nordvik University · Umeå, Sweden

Principal investigator of the Storbäcken plot network and four associated experiments. Group of one postdoc and four doctoral students. Teaching load of two courses plus a doctoral course. Docent conferred 2022.

Assistant Professor, Forest Ecology

2016 — 2019

Nordvik University · Umeå, Sweden

Took over the Storbäcken network on Bengt Åkerlund's retirement, digitised the 1994-2016 record, and secured the infrastructure grant that keeps it running.

Researcher, Boreal Soils Programme

2013 — 2016

Nordic Institute for Water Research · Oslo, Norway

Peatland carbon and hydrology. Built the paired-mire design later used at Rävmyran, and learned to write a grant that a hydrologist would sign.

Postdoctoral Researcher

2010 — 2013

Bjørnfjord University · Bergen, Norway

Deadwood decomposition and fungal community assembly. Two field seasons in western Norway, one very wet.

Field assistant, then doctoral student

2004 — 2010

Storbäcken Research Forest · Västerbotten, Sweden

Six autumns on the plots before I had any business having an opinion about them. Still the most useful training I have had.

EDUCATION

PhD, Forest Ecology

2005 — 2010

Bjørnfjord University · Bergen, Norway

Thesis: Mass loss and fungal succession in *Picea abies* deadwood. Supervisor: Prof. Bengt Åkerlund. Defended with distinction.

MSc, Biology (Ecology)

2003 — 2005

Bjørnfjord University · Bergen, Norway

Thesis on ground layer recovery after selective felling. First field season at Storbäcken.

BSc, Biology

2000 — 2003

Bjørnfjord University · Bergen, Norway

Came for the marine biology, stayed for the soil.

GRANTS AND FUNDING

Boreal Carbon Programme

2023 - 2027

Nordic Research Council · 14.2 M SEK · principal investigator

Soil carbon recovery after disturbance across the full plot network, with a synthesis work package.

Long-term plot infrastructure

2021 - 2026

Vinter Foundation · 8.6 M SEK · principal investigator

The grant that pays for the autumn remeasure, the archive and the boardwalks. Renewable, and renewed twice.

Peatland rewetting, paired mires

2019 - 2024

Nordic Research Council · 6.1 M SEK · co-investigator

Instrumentation and five seasons of flux measurement at Rävmyran and three paired sites.

Doctoral position, deadwood fungi

2022 - 2026

Nordvik University · 3.4 M SEK · supervisor

Four-year funded position, currently held by Tuva Lind.

Deadwood synthesis working group

2020 - 2023

European Forest Network · 1.9 M SEK · work package lead

Pooling twenty-nine datasets from six countries into one open decay model.

SELECTED PUBLICATIONS

Thirty-one years of soil carbon on the Storbäcken plots: the recovery is slower than the models allow

2026

Halvorsen, M., Rehn, P. & Solberg, K. · Journal of Boreal Ecology 41(2), 188-204

Ditch blocking raises the water table before it changes the flux: four paired mires in Västerbotten

2025

Rehn, P., Halvorsen, M. & Lindqvist, T. · Northern Soil Science 18, 41-59

What a long-term plot is for, and what it cannot tell you

2024

Halvorsen, M. · Methods in Field Ecology 9(4), 512-518

Mass loss in Picea abies deadwood over twenty-five years is governed by the first fungal coloniser

2023

Halvorsen, M. & Åkerlund, B. · Ecosystem Dynamics 31(1), 77-94

A pooled decay model for Fennoscandian deadwood, from twenty-nine datasets

2023

Halvorsen, M. et al. · Journal of Boreal Ecology 38(3), 301-322

The Storbäcken plot network, 1994-2022: an open record of soil, litter and deadwood

2022

Halvorsen, M., Nyman, A. & Rehn, P. · Boreal Data Archive, version 4

TEACHING AND SUPERVISION

Boreal Forest Ecology (FE3021)

2017 -

Master's · 15 ECTS · course leader

Designed and still run. Six weeks of teaching, two weeks on the plots doing a real remeasure.

Soils and Carbon (FE2110)

2013 -

Bachelor's · 7.5 ECTS · co-taught

The large undergraduate course; I take the carbon half and the laboratory.

Long-term Ecological Research: Methods and Ethics (FE4400)

2020 -

Doctoral · 5 ECTS · course leader

Twelve students a year, half methods and half the awkward questions about succession and stewardship.

Doctoral supervision

2013 -

Seven completed, four in progress

Principal supervisor for eight, co-supervisor for three. All seven who have finished are still in science or in forest management.

Field Course, Västerbotten (FE1005)

2013 - 2022

Bachelor's · 7.5 ECTS · course leader

Ten days in the forest with first-years. Handed over in 2022.

SERVICE, REVIEW AND OUTREACH

Associate Editor

2023 -

Journal of Boreal Ecology

Panel member, research infrastructure grants

2021 -

Nordic Research Council

Chair, doctoral admissions

2020 - 2023

Faculty of Forest Sciences, Nordvik University

Reviewer

2011 -

Twelve journals · roughly twenty manuscripts a year

Public lectures and forest walks

2015 -

Schools, libraries, forest owners' associations

Free for anyone who is not a company. Around eight a year, more in spring.

FIELD AND LABORATORY METHODS

Soil coring, bulk density and loss-on-ignition ·

Static and dynamic flux chambers ·

Deadwood density and decay classification ·

Mixed models and Bayesian change-point analysis in R ·

Geospatial analysis and plot mapping ·

Data stewardship and archiving ·

LANGUAGES

Norwegian **Mother tongue**

Swedish **Fluent, and the working language**

English **Fluent, all publications**