



The role of the Royal Swedish Academy of Agriculture and Forestry is to promote agriculture and forestry and related activities for the benefit of society, with the support of science and practical experience. The Academy was founded in 1811 at the initiative of Karl XIV Johan and started its work on 28 January 1813.

Seminar – 12 November, 2024

Spatial Ecology of Rotational and Continuous Cover Forestry in Boreal Landscapes



Professor Dan Binkley, former Wallenberg Professor, will present a new study on spatial ecology in boreal landscapes.

Boreal forests are shaped by chronic processes with both small and large disturbances and calamities. Competition between trees and with understory shape the boreal forests over decades and centuries, while major events (storms, insect outbreaks and fires) create patches with legacies that last decades or centuries. The large calamities, typically > 1000 ha, sometimes > 100.000 ha, dominates the disturbances in the landscape in area. In number small disturbances dominate, but the area of those is much smaller. Forest structures and functions are not uniform within patches, so spatial variation at scales far smaller than the average patch are important for species of trees, other plants, fungi and animals.

At this seminar Professor Binkley and the panel will consider a range of perspectives:

- Large landscapes managed for patch sizes of only 1-10 ha would not be close to nature, but boreal forests are robust with flexible futures across scales of patch sizes
- Choices of patch sizes in forest management affect a variety of aspects of how forests develop.
- Large landscapes comprised of small patch sizes characteristic of continuous cover forestry would not be close to nature.
- How should management account for spatial aspects of historical natural landscapes as we develop future forests of Scandinavia?

Welcome!

Peter Normark, Academy Secretary General, Managing Director

The seminar is financed by the Foundation of C.F. von Horn

Time & venue

Tuesday, 12 November at 12 until 3 pm in KSLA, Drottninggatan 95B, Stockholm and on Zoom.

The Zoom, link will be e-mailed out the day before.

Lunch will be served for preregistered guests.

Registration

Before 11 Nov [in this link](#).

Professor Binkley

has worked on forest productivity and nutrient cycling, blending applied and basic. Some of the applied perspectives have focused on sustaining the productivity of forests by sustaining soil fertility.

Questions

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Programme – 12 November, 2024

Spatial Ecology of Rotational and Continuous Cover Forestry in Boreal Landscapes

Chair: Peter Högberg*, professor, Swedish University of Agriculture

- 12.00 LUNCH (pre-registered guests)
- 12.45 Zoom link opens
- 13.00 **Welcome**
Peter Normark*, Academy Secretary General
- 13.05 **Introduction**
Peter Högberg*, Professor, Faculty of Forest Sciences, Swedish University of Agricultural Sciences
- 13.10 **Spatial Ecology of Rotational and Continuous Cover Forestry in Boreal Landscapes**
Professor Emeritus Dan Binkley, Ecosystem Science and Sustainability, Colorado State University
- 13.50 **Panel Discussion**
Professor Emeritus Dan Binkley
Deputy Director Linda Berglund, Forest & Wildlife at WWF, Sweden
Carl-Wiktor Svensson (kd), Member of the Swedish Committee on Environmental Objectives
Associate Professor Monika Strömgren, The Swedish Forest Research Institute
Dr Tomas Thuresson*, Consultant, former Director of Forestry Swedish Forest Agency
Professor Göran Örlander*, Chairman of the ongoing Public Forest Policy Investigation
- 15.00 COFFEE/TEA MINGLE

*) KSLA Fellow