



Kungl. Skogs- och Lantbruksakademiens uppgift är att med stöd av vetenskap och praktisk erfarenhet till samhällets gagn främja jordbruk och skogsbruk samt därtill knuten verksamhet. Akademien instiftades år 1811 på initiativ av Karl XIV Johan och startade sitt arbete den 28 januari 1813.



Seminarium

Do numbers count?

Exploring the relation between forest growth and the number of tree species

Time	Friday 31 May, at 10.00–15.30 (registration and coffee from 09.30)
Venue	Kungl. Skogs- och Lantbruksakademien, Drottninggatan 95 B, Stockholm
Registration	Not later than 24 May via this link or our website www.ksla.se (cancellation must be made not later than 27 May or we will send an invoice SEK 500 to cover our costs.)
Fee	No fee
Questions	Content: Birgitta Naumburg, birgitta.naumburg@ksla.se , tel 08-54 54 77 07, 0706-61 14 71 Content: Annika Nordin, Annika.nordin@slu.se , te 090-786 82 29, 076-764 5918 Registration: Gun Askerö, gun.askero@ksla.se , tel 08-54 54 77 12, 0701-603 309
Webb	No webbcast
Organizer	The interdisciplinary research program Future Forests in collaboration with KSLA

Is forest growth affected by the number of tree species in a stand? According to a Swedish study that was recently published in Nature Communications, a mix of tree species results in the enhancement of several ecosystem services, including greater tree growth.

When it comes to tree growth, the conclusions were surprising. In most cases silvicultural experiments with tree species mixtures have shown no better growth when compared to monocultures. Why is it that scientists come to different conclusions regarding the mixed species effect?

Forest production ecologist Professor Dan Binkley from Colorado State University will introduce this seminar aimed to cast light on different perspectives of mixed forests: how they grow, how they can be managed and what ecosystem services they can deliver apart from biomass production. An important purpose of the seminar is to discuss why different studies in the fields of ecology and silviculture come to different conclusions regarding the effect of mixed forests on forest growth.

Welcome!

Carl-Anders Helander
General Secretary and Managing Director. KSLA

Annika Nordin
Program Director Future Forests, professor, SLU



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Program

Do numbers count?

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Friday 31 May 2013

Moderator Professor Dan Binkley, Colorado State University

09.30 **Coffee and registration**

10.00 **Welcome**

Birgitta Naumburg, Secretary Forestry Section, KSLA

10:05 **Introduction**

Annika Nordin, Program Director, Future Forests

10.10 **The production ecology of forests: how species differ**

Dan Binkley, Professor, Colorado State University

10.40 **Mixed forest or monoculture: A question of definition exemplified by data from the Swedish National Forest Inventory**

Dr Jonas Fridman, Head of the Swedish NFI, SLU

11.00 **When is more species better? A long and winding ecological history**

Jan Bengtsson, Professor, Swedish University of Agricultural Sciences

11.20 **Relationships between ecosystem services and tree species richness**

Tord Snäll, Associate Professor, Swedish University of Agricultural Sciences

11.50 **Lunch**

12.50 **What have we learned from decades of empirical field experiments?**

Eric Agestam, Associate Professor, Swedish University of Agricultural Sciences

13:20 **Cause or correlation – why do mixed forests grow better?**

Urban Nilsson, Professor, Swedish University of Agricultural Sciences

13:40 **Final comments and discussion**

15:00 **Coffee**