

# **Beech forests in Europe - bridging research and practice**

## **Pro Silva- and Nat-Man Conference, August 4-8 2004 in Denmark**

### **Program** (version 4 August 2004)

#### **The conference concept – bridging science and practice**

The EU research project Nat-Man closes with a medium-sized conference in Denmark 4-8 August 2004. The conference is arranged in collaboration with the European organization for nature-based silviculture *Pro Silva*. The overall aim is to create a scene where researchers and people from practice can meet and exchange knowledge, ideas and viewpoints about current forestry issues. With a group of 70 participants – 35 from research, 35 from practice - from all over Europe the aim is to create a rather intimate and inspiring setting for constructive exchange and discussion. At the conference we will use different approaches to bridge science and practice:

- Presentations of research results – in an auditorium for a larger audience
- Presentation and discussion of research results - in smaller groups
- Workshops where researchers and end-users discuss the implications for practice – and identify research needs and questions
- Excursions where researchers and end-users can discuss and exchange experience at a specific level.

The conference takes place at The Forestry College, "Skovskolen", in Nødebo, Northern Zealand. There will be excursions to Northern and Central Zealand and an optional excursion to Western Jutland.

*OBS: The footnotes explain the idea/aim of the specific points in the program with regards to the overall conference concept. The footnotes are of special importance for the speakers and chairmen, but can also help other participants to keep the track.*

#### **Wednesday 4/8**

- All day** Arrivals and transport from Copenhagen airport to accommodation. Registration and check-in in the auditorium at Skovskolen.
- 18.00** Flexible sandwich dinner at Skovskolen – due to differing arrival times.  
Bar open in the lumber-jack cottage, "Flækken", at Skovskolen.

#### **Thursday 5/8 – Outlook from science**

- 8.00-9.00** **Breakfast**
- 9.00-10.00** **Opening and introduction<sup>1</sup>**  
9.00- 9.20 Welcome and presentation of the conference concept and program, by Dr. Jens Emborg, Coordinator of Nat-Man, and Thomas Harttung, President of Pro Silva Europe  
9.20- 9.40 The link between research and practice by Dr. Niels Eilers Koch, Director General, Forest & Landscape  
9.40-10.00 Background, overview and status of the Nat-Man project by coordinator Jens Emborg
- 10.00-12.00** **Short spot-presentations from the Nat-Man Project<sup>2</sup>**  
10.00-10.20 Studies of natural beech forests, by Ed Mountford, University of Oxford, United Kingdom  
10.20-10.40 Natural regeneration in gaps, by Dr. Jurij Diaci, University of Ljubljana, Slovenia
- 10.40-11.20** **Coffee break**

<sup>1</sup> At the *opening session* the overall concept of the programme is explained. The conference will experiment on how to make the meeting between research and practice inspiring and constructive. During the conference different approaches to stimulate the dialogue and bridge between research and practice are tried.

<sup>2</sup> This *scientific session* includes 4 short "spot-presentations" with results from the Nat-Man project. The idea is to present "high-lights" from Nat-Man considered of special relevance to practice. The presentations will take place in a large auditorium for all participants. There will be no time for discussion after each presentation.

- Short spot-presentations from the Nat-Man Project (continued)**
- 11.20-11.40 Gap regeneration in beech forests: How well is nitrogen retained in soils? by Dr. Lars Vesterdal, Forest & Landscape, Denmark
- 11.40-12.00 Diversity patterns on dead wood in beech forests, by Dr. Jacob Heilmann-Clausen, Forest & Landscape, Denmark
- 12.00-13.00 Lunch**
- 13.00-15.00 Parallel thematic in-depth sessions with time for discussion<sup>3</sup>**
1. Session Dead wood and biodiversity (Morten Christensen (DK), Peter Odor (Hu), Jacob Heilmann-Clausen (DK))
2. Session Gap dynamics and regeneration (Dusan Rozenberger/Jurij Diaci (Si), Tine Grebens (Si), Kalman Raikai (Hun), Jürgen Huss (De), Katrine Hahn (DK))
3. Session Reference forest network – natural forests and management demo-plots (Ed Mountford (UK), Anders Busse Nielsen (DK), Tibor Standovar (Hu), Thomas Harttung (DK))
- 15.00-15.30 Coffee break**
- 15.30-17.30 Current beech forestry – the needs for knowledge (presentations and discussion)<sup>4</sup>**
- 15.30-15.50 Reporting from session 1, 2 and 3: The rapporteur of each group presents the topics discussed and the conclusions of the work. Rapporteurs represent practice and emphasize what they found most relevant and interesting from a practical (end-user) perspective.
- 15.50-16.20 Contemporary beech silviculture in Europe, by Dr. Josef Fanta, Bonner Consultancy, The Netherlands
- 16.20-16.40 Modeling used as an interactive tool to bridge between research and practice, by Dr. Andreas Brunner, Forest and Landscape, Denmark and Dr. Koen Kramer, ALTERRA, The Netherlands)
- 16.40-17.30 Opening the discussion: “the relevance and implications of what we have heard from science today” by Thomas Harttung (Pro Silva). Plenary discussion and conclusions of the “outlook from science” day. Chair: Dr. J. Bo Larsen, Forest and Landscape, Denmark. Panel: selected speakers of the day.
- 18.00-19.30 Dinner**
- 20.00-22? Lake cruise to Fredensborg Slot (Dronningens Bøge-Skipperhuset)**

<sup>3</sup> During the *thematic “in-depth” sessions* the group will be split in 3 according to the participants personal choice. Each session will have a maximum number of participants – people sign in on flip-over charts. Each session (2 hours) are planned in detail by a team of Nat-Man researchers. As an example a session could include 2 short (e.g. 15 minutes) research - presentations and one presentation from practice on the topic, specific discussions in small groups, plenary discussion and conclusion. Each group choose a rapporteur (representing practice) who prepares a short summary presentation as a basis for the following plenary discussion. The summary presents what was discussed and concluded in the thematic session – with particular focus on issues/conclusions of special interest/relevance for practice. Speakers bring hand-outs (e.g. of Power-point slides) if they want.

<sup>4</sup> Two *short presentations* gives an overview over the current trends in European beech silviculture. Josef Fanta presents his conclusions/impressions based on the Nat-Man review study on *contemporary beech forest management* – including a number of case studies. Andreas Brunner/Koen Kramer presents their conclusions/impressions based on scenario modelling carried out in dialogue with foresters. The presentation will focus on their experiences by using modelling as a media for communication and dialogue between research and practice. It is late on the day after a long in-door programme. If possible the presentations should be amusing and/or provoking – and build up to the succeeding general plenary discussion.

The *plenary discussion* will be opened by a short stimulating/provoking presentation on perspectives from practice on research by Thomas Harttung. The theme of the discussion *could* be (in practice partly determined by the course of the day): Reflections from practice of what they have heard from the researchers today: what was particularly relevant? – what are the practical implications of the results presented? - where is current beech forestry going? - what can research do to support practice? – what will be interesting to know more about in the future? Prof. J. Bo Larsen will chair and conclude the plenary discussion. A selection of the speakers of the day will be available as a panel for the discussion. It should be secured by the chairman that the plenary discussion will be focused on central questions/issues in order to give the conference drive and direction.

## **Friday 6/8 – Outlook from practice**

**8.00-9.00**      **Breakfast**

**9.00-10.00**      **Introduction to workshop: “The link between research and practice”<sup>5</sup>**

9.00-9.15      Presentation of the idea, aim and program of the workshop (Thomas Harttung)

9.15-9.45      Conversion to nature-based silviculture in the Danish State Forests, by Mads Jacobsen

9.45-10.00      Overall presentation of the management guidelines produced by the Nat-Man project and further instructions for the workshops (Jens Emborg)

**10.00-11.30**      **Workshop: “The link between research and practice” (coffee during workshops) – 6 parallel workshops - one for each pamphlet (set of guidelines):<sup>6</sup>**

1. Workshop      Policy recommendations (Intro and chair: Jens Emborg + rapporteur)

2. Workshop      Dead wood (Intro and chair: Morten Christensen + rapporteur)

3. Workshop      Regeneration (Intro and chair: Jurij Diaci + rapporteur)

4. Workshop      Nitrogen retention and water quality (Intro and chair: Lars Vesterdal + rapporteur)

5. Workshop      Natural forest as reference for forestry (Intro and chair: Ed Mountford + rapporteur)

6. Workshop      Large-scale and long-term perspective in forestry (Intro and chair: Katrine Hahn and Rik Pakenham, UK + rapporteur)

11.30-12.30      Plenary session: Key points and clues from the workshop-rapporteurs (2 minute presentations - each workshop will have a rapporteur representing practice/Pro Silva). Plenary discussion and conclusions of “the outlook from practice” day – How can practice make best use of the researchers? – what will be the important research questions from practice in 5-10 years time? (Chairman: Thomas Harttung and Rik Pakenham. Panel: workshop chairmen and rapporteurs)

**12.30-13.30**      **Lunch**

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<sup>5</sup> Thomas Harttung will present the idea and aim of the workshop: to explore and develop the relation between research and practice and strengthen their collaboration. Mads Jacobsen presents the ongoing conversion to nature-based silviculture in the Danish State Forests – background, aims, visions, opportunities and problems. In order to stimulate and steer this move from traditional to nature-based silviculture prof. J. Bo Larsen has been head-hunted to help the staff developing new and appropriate silvicultural tools. This is an interesting new concept of integrating the knowledge of researcher and practitioners in a very close and direct way. This concept will be presented and further discussed at the excursions.

<sup>6</sup> The Nat-Man project has produced a set of management guidelines pamphlets covering 6 different topics. The working process of the pamphlets will be presented in the plenary session by Jens Emborg including a presentation of the possible uses of the pamphlets after the conference. The basic idea is that the pamphlets in the present forms are drafts – after the conference they will be rewritten so they also include the messages from practice given at the conference. They will so to speak represent a “common cry from research *and* practice”. In the pamphlets the researchers have tried to pose (and answer) questions of supposed relevance for practice. The draft pamphlets have been distributed to the participants at the beginning of the conference. Each pamphlet forms the starting point for discussion – as the basis for a workshop. Each workshop will be designed by the researchers behind the pamphlet – if possible in collaboration with the rapporteur from practice. The overall idea is to discuss the topic at hand – as a meeting between research and practice: – Is it the right questions they pose? What can research say to this? What are the relevant questions and problems seen from practice? How can we address those questions? How can research help and develop practice? etc. The workshop should also treat the question – How can research and practice meet in a mutual beneficial and stimulating way? The workshop could e.g. start with a short presentation of the pamphlet by the researchers. This presentation could be followed by viewpoints and reflections from a practitioner. The group could be split into smaller discussion-groups each addressing different questions. This could be followed by a discussion in the whole workshop group leading to conclusions for the rapporteur to bring up at the final general plenary discussion. Each group choose a rapporteur representing practice.

The plenary presentations of the rapporteurs should be very short (2 minutes) including one OH-slide, indicating: 1) conclusions of the group; and 2) research questions of expected interest for practice in 5-10 years time? These presentations forms the basis for the plenary discussion. Again it should be secured that the plenary discussion is focused on central questions/issues in order to give the conference direction and drive. The overall question could be – Future research needs? – Future collaboration concepts between research and practice? – Messages from research and practice to the political decision makers? This final plenary discussion is opened by a short (stimulating and provoking) presentation inspired by the day and from the perspective of practice by Thomas Harttung and/or Rik Pakenham. With this session the whole conference has made a complete swing from scientific presentations and outlook at day one through different kinds of dialogue and discussion between research and practice to a final conclusion as seen from the outlook of practice by the end of day two.

**14.00-17.30 Excursions (choose A or B):<sup>7</sup>**

**A) Strødam Forest Reserve** (non-intervention forest, naturalness, dead wood, biodiversity) by Ulrich Söchting/Peter Milan Petersen, University of Copenhagen

**B) Grib Skov** (beech silviculture, demonstration plots, conversion to nature-based silviculture, the concept of forest development types) – the excursion starts with a presentation in the auditorium by Prof. Bo Larsen

**18.45-23.00 Short walk and evening party / dinner at Krogerup avlsgård**

## **Saturday 7/8**

**7.30-8.00 Check-out before breakfast. Take the luggage to the canteen. Leave the keys with the morning-staff.**

**8.00-9.00 Breakfast**

**9.00-16.0 Excursion – Natural forest reserves - a reference for forest management**  
Departure from Skovskolen at 9.00 – fill up the busses before 9.00

**10.30-12.15 Suserup Skov, a non-intervention forest reserve<sup>8</sup>**  
1) Gap regeneration – natural canopy gaps, forest dynamics (Lars Vesterdal, Dusan Rozenberger, Jurij Diaci)  
2) Natural forests as a reference for management - Forest development type visualization (Bo Larsen, Anders Busse Nielsen, Ed Mountford)  
3) Dead wood and biodiversity (Morten Christensen, Jacob Heilmann, Peter Odor, Tibor Standovar)

**12.15-12.30 Coffee break including survival-sandwich at Suserupgaard.**  
**Short bus drive to Grydebjerg (15 min)**

**13.00-14.30 Grydebjerg Skov, managed beech forest<sup>9</sup>**  
1) Traditional Danish beech forest management systems (Jens Thomsen, Jens Kristian Poulsen)  
2) Nature-based silviculture in beech and mixed beech/ash/sycamore forest (Jens Thomsen, Jens Kristian Poulsen)

**14.30 Lunch at Sorø Akademi**

**If time: Cultural experience – Sorø Cathedral?**

**15.30/16.00 The group splits into two: One group continues excursion – the other group goes to the airport**

**Option 1: Continue - Excursion to western Jutland, (see below). Stay overnight at Hotel Vedersø Klit at the Danish West Coast**

**Option 2: Stop - Go to Copenhagen by bus (1 hour drive). Drop-off will be arranged at the airport and city centre**

<sup>7</sup> The excursion to Strødam Forest Reserve focus on biodiversity in the forest – including issues of conservation and biodiversity management. The excursion to Grib Skov focus on the current conversion of the Danish state forests – in particular silviculture and the concept of head-hunting a researcher to stimulate the process in practice.

<sup>8</sup> For the excursion in Suserup the participants will be divided into 3 groups (of 20-25 people). Each group will visit all three excursion points, each assisted by a guide.

<sup>9</sup> For the excursion in Grydebjerg all participants will be in one group.

## **Sunday 8/8**

**Whole day**    **Excursion to Western Jutland**, where Thomas Borup Svendsen (Klosterheden State Forest District), Thomas Hartung (ProSilva) and J. Bo Larsen (Forest & Landscape) will be our guides.

**7.00-7.30**    **Breakfast at hotel Vedersø Klit**

**7.30**    **Departure from Hotel with all luggage**

**8.00-15.00**    **Excursion at Klosterheden district.**

Excursion theme: Conversion of conifer plantations to nature-based silviculture, at Klosterheden State Forest District. The collaboration and synergy between research and practice in the working process. The balance between different management aims and objectives – flexibility to encompass the (unknown) needs and desires of future generations.

The excursion includes bus transportation, meals (Saturday evening, Sunday morning and lunch) and accommodation.

The bus will return to Kastrup/Copenhagen airport and/or city centre, early in the evening (Please, do not expect we arrive at the airport before 8. p.m). A minibus with approx. 5 persons will depart at lunchtime in order to reach the earlier flights at Kastrup airport.

## **Contact, questions, and further information:**

Katrine Hahn

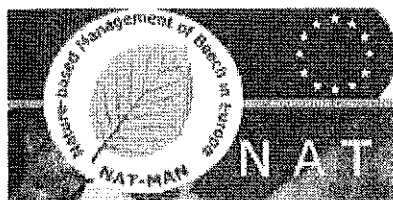
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Nature-based Management of beech in Europe  
-a multifunctional approach to forestry

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## Preliminary list of participants at the joint NatMan / ProSilva conferen

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[Participants](#)

Kris	Vanderkerkhove	Institute for Forest and Game Management	Be
Patrick	Auquiere	ProSilva Belgium	Be
Isabelle	Van Driessche	ProSilva Belgium	Be
Michel	Letocart	ProSilva Wallonia	Be
Thomas	Vrska	Agency for Nature Conservation and Landscape Protection of the Czech Republic	Cz
Vladimir	Tesar	Mendel University?	Cz
Pavel	Mauer	Mendel University?	Cz
Jiri	Silhanek	Mendel University?	Cz
Thomas	Harttung	ProSilva Denmark	De
Andreas	Brunner	Skov & Landskab, KVL	De
J. Bo	Larsen	Skov & Landskab, KVL	De
Jens	Emborg	Skov & Landskab, KVL	De
Lars	Vesterdal	Skov & Landskab, KVL	De
Niels	Elers Koch	Skov & Landskab, KVL	De
Anders	Busse Nielsen	Skov & Landskab, KVL	De
Morten	Christensen	Skov & Landskab, KVL	De
Katrine	Hahn	Skov & Landskab, KVL	De
Mette	Rask Jensen	Skov & Landskab, KVL	De
Anders	Bjorholm Dahl	Skov- og Naturstyrelsen	De
Mads	Jakobsen	Skov- og Naturstyrelsen	De
Mads	Jensen	Skov- og Naturstyrelsen	De
Jacob	Heilmann-Clausen		De
Brice	de Türckheim		Fr
Hermann	Wobst	ANW	Ge
Jürgen	Huss	Freiburg University	Ge
Christian	Donath	Institute of Silviculture, Göttingen	Ge
Hinnich	Joost	ProSilva Germany	Ge
Peter	Odor	Eötvös University	Hu
Tibor	Standovar	Eötvös University	Hu
Reka	Aszalos	Institute of Ecology and Botany	Hu
Zsolt	Gacsi	KEFAG Ltd.	Hu
Bela	Varga	ProSilva Hungary	Hu
Gyula	Haraszti	ProSilva Hungary	Hu
Szilárd	Grédics	ProSilva Hungary	Hu
Kalman	Rajkai	RISSAC	Hu
Donal	O'Hare	Pro Silva Ireland, secretary	Ir
Robert	Tottenham	ProSilva Ireland	Ir
Silvia	Stefanelli	Ispettorato ripartimentale delle Foreste di Tolmezzo	Ita
Massimo	Stroppa	ProSilva Italia	Ita
Alessandro	Wolynski	ProSilva Italia, president	Ita
Florian	Borlea	ProSilva Romania	R
Tine	Grebenc	?	Sl

Jurij	Diaci	University of Ljubljana	Sl
Dusan	Rozenbergar	University of Ljubljana	Sl
Jesus	Garitacelaya	ProSilva Spain	Sp
Dolores	García	ProSilva Spain	Sp
Joaquín	del Valle de Lersundi	ProSilva Spain, president	Sp
Örjan	Fritz	Länsstyrelsen Halland	Sw
Erik	Ederlöf	Skogsvårdsstyrelsen, Södra Götaland	Sw
Matts	Karlsson	Southern Swedish Forest Research centre	Sw
Rolf	Övergaard	Southern Swedish Forest Research centre	Sw
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Josef	Fanta	Boneer Consultancy	Tf
Jaap	H. Kuper	ProSilva The Netherlands	Tf
Martyn	Ainsworth	English Nature contractor	Uk
Peter	Savill	Plant Sciences, Oxford University	Uk
Ed	Mountford		Uk
Rik	Pakenham		Uk
Ted	Green	Ancient Tree Forum	Uk
Andrew	Poore	Continuous Cover Forestry Group	Uk
John	Everard	Continuous Cover Forestry Group	Uk
Helen	Read	Corporation of London	Uk
Roger	Cook	European Squirrel Initiative	Uk
Jill	Butler	Woodland trust	Uk
Shirley	Everard		Uk