

Minutes

CAR-ES meeting, 10-12 January 2008, in Copenhagen

Participants in main meeting: Jan-Olov Weslien, Lars Högbom and Eva Ritter, Skogforsk Sweden; Bjarni D. Sigurdsson, Agric.Univ. Iceland; Magne Sætersdal and Dan Aamlid, Skogforsk Norway; Leena Finér, Ari Laurén, Sakari Sarkkola, Hannu Ilvesniemi and Harri Koivusalo, Finnish Forest Research Institute, Finland; Per Gundersen and Karin Hansen, Forest & Landscape, Denmark.

Thursday 10.1.2008

Coordinators issues

SNS 'review' of the CAR concept Nov.

- Per showed his CAR presentation as he presented it to the SNS board.
- SNS was satisfied with our CAR; two others got their support slightly reduced.
- They would like to see more documentation and quantification that we coordinate a major mass of research.
- A planned review of all CAR networks will be in 2009.
- January 24th Nordic Directors will meet and discuss the outcome the CARs. Please, give Per input to his presentation. Suggestions on benefits not mentioned in previous presentation:
 - Include the most important things with the CAR – the getting to know a lot of other Nordic scientists.
 - Include and advertise the web site.
 - Scientific excursions – a lot of knowledge is shared.
- Due to a migraine attack, I did not participate and Niels Elers Koch presented my updated ppt
- Outcome of the Directors review was that they would like to see:
 - Overview/mapping of activities in the area (as done by the urban forestry CAR)
 - Fact sheets shared
 - Kaj Rosen likes us to also include economic evaluations

National research agendas, hot issues (notes on major issues)

Sweden:

- The handbook for forest management and water is soon to be ready. It is a practical guide for practitioners. A synthesis with references accompanies it – to be published at SkogForsk in March/April. Eva will give a notice to the CAR group when it is ready.
- Final version of environmental assessment of stump harvesting is on www.esf.slu.se/stubb. It is based on older data. New experiments are planned and mentioned in the report. The Finns would like to have a discussion on the main conclusions.
- Set aside another 100.000 ha forest for biodiversity. Large debate on this since forestry is not satisfied with this. A hot issue: what should the forest be used for?
- Oluf Vedenfalk: Database National Inventory + National Bird Population to see any measurable effects on biodiversity of leaving key biotopes.
- Management and biodiversity of young forest as compared to older forests
- Site preparation on water quality – new experiments are ongoing.
- Large project perhaps starting for MISTRA – Forest for the future. 24 mill SEK per year in 8 years on "everything". Mainly SLU and SkogsForsk are involved.
- Colleagues got money for establishment of a new series of tree species experiments (monoculture stands) on former agricultural land. Looking at growth for bioenergy reasons and

soil quality (Lars Rytter). Contact Bruno Bilde-Jørgensen or Lars Vesterdal from SL about the Danish trials.

Finland:

- Large interest in combined N fertilisation and ash – could be good to cooperate with Sweden on this. Include the amount of N leaching. Skogforsk has published data on 9 years of data in Canadian Journal of Forestry.
- Also published something on stump removal
- Large discussions started by Agriculture on what the background leaching is in forests. Mostly from forested clay-soils.
- Intensively managing the peat lands – high potential for harvesting. How should timber be brought out from peatland, even stump removal in an environmentally friendly way?
- Protection of forests in the southern part of Finland – programme accepted by the Government in order to protect these forests. Forest owners voluntarily offer their forests for protection of soft issues.
- Forests are growing more producing more timber. How should the timber be brought out from the forest? A problem which has become hot since import of timber from Russia might become more expensive. FI has too little machines and too little personnel.
- 3 exp sites – 3 replicates – in Northern, middle, southern FI with slush removal, stump removal and combinations. Already established. Anyone who would like to work with us is welcome.
- Looking at soil organic matter in a very structural manner.
- A thesis finished looking at different protection zones – Rita Ver???
- Grow peat and remove swagnum mosses and improve/create new biodiversity zones – increase/make new zones? Just an idea as of yet.

Denmark:

- Coordinating a EU FP7 application on the call on Adaptive forest management models.
- Bioenergy, Inge Stupak finished her PhD on nutrient removals
- Major project on soil C monitoring coming up resampling 100 sites sampled c. 1990. Lars Vesterdal is responsible.

Iceland:

- Participating in a FP7 application on the call on Adaptive forest management mode
- Final AFFORNORD report – Bjarni circulates
- Workshop in Cupio in Finland on Assessing the potential greenhouse gas mitigation in the..... in February 2008.
- Nordic centre of Excellence on C – final meeting in June 2008. Eddy covariance techniques measurements in the Nordic countries except Norway. It will not continue.

Norway:

- NRC finally puts money (a lot) into Bioenergy and biofuel (among topics are wood degradation, stump removal) and to climate change.
- Will submit an application on Landscape change due to forest regrowth on the mountain slopes when grazing is no more economic.
- Dispersal ecology of lichens?

Dissemination exchange:

- a collection of fact sheets should be presented on the next meeting

The web page was presented and some additional information could be presented:

- Fact sheets – A list on the web page

- Connected project could be presented – send material
- Links to coming events
- Everyone should send suggestions for changes to Karin before January 30th 2008.

Friday 11.1.2008

Forest by the water – paper:

Clarify that we look only at forests by the water and not at peatlands without forest.

- New version was circulated on print. Send out paper as reminder.
- Deadline for next version: May
- Published by the autumn of 2008.

Next meeting:

- The Swedes will tell us the possible dates in either week 21, 22 or 23
- Separate the workshop part from the CAR business
- Next meeting in the autumn should be largely on biodiversity.

2007 report:

- Per will send the report for 2007 for everyone to comment on.
- Funding: SNS wants to know how much money each institute/country spends in the CAR areas – everyone supplies Per after he has sent you a table to fill in.
- Put more emphasis on the web page

Coming workshop/seminar on ES in 2009:

- 3 days meeting including approximately 50-60 persons
- Finland volunteers to organise (Leena)
- Perhaps discussions on trade-offs between ES's
- We go for a special issue in *Silva Fennica*. Leena asks the editor.
- Write applications for support. For a Finish application we need an outline of the programme and the parallel sessions; each group make suggestions to persons to invite as key note speakers. Karin will check for researchers who cover all 3 aspects.
- Ask EFORWOOD to contribute

Minutes by Karin and Per