

Minutes CAR-ES meeting

29-30 October 2008, in Helsinki

Participants in meeting:

Jan-Olov Weslien, Lars Högbom and Eva Ring, Skogforsk Sweden; Magne Sætersdal, Norwegian Forest and Landscape Institute, Norway; Harri Koivusalo, Leena Finér, Ari Laurén and Hannu Ilvesniemi, Finnish Forest Research Institute, Finland; Bjarni Sigurdsson, Agric.Univ., Iceland; Per Gundersen and Karin Hansen, Forest & Landscape, Denmark.

Presentations

Eva Ring presented the presentation on Forests and Water she gave at the ministers meeting in Selfoss at Iceland, August 2008. It generated a good discussion on how water protection (especially related to sediment transport) can be implemented in practical forestry (portable bridges, reduced driving in wet areas, buffers etc.). It formed a good starting point for work on the Forest by Water paper.

Forest by Water paper

- Ambio chosen – we should try to keep it short. Bjarni reviewed the recent instructions and concluded that what we aim at is in line with the scope of Ambio.
- Magne presented his and Jannes work on Riparian habitats and biodiversity and the Norwegian and Swedish certification rules on buffer zones. Red-listed species in the riparian zones are interesting to get for all Nordic countries (Per will check for DK; Leena provide name for FI). Do we need to deal with the limnic biodiversity – then we need to engage someone. We take the risk and leave it out and argue that we deal with the (forest) terrestrial biodiversity. However, some of the main important functions of the canopy cover (shading, litter (including wood) input.....) need to be mentioned.
- Bjarni presented his, Jukkas and Jon Augusts ideas on Carbon and greenhouse gas dynamics related to forest by water zones. This ES is not as relevant as biodiversity and water and should not cover more than 1-2 pages.
- The strongest emphasis should be on the water issue.
- There is a need for a lead author! (Per for the whole, sections see below)
- We worked in groups on each part of the paper:
 - *The Water group*: Difficult to scope: Forest by Water or Buffer zones? The description which is there should be better described, title changed into “water chemistry” with a short introductory text. In the end some practical recommendations without figures. Ari takes charge of this part.
 - *The Biodiversity group*: Discussed recommendations and concluded that trees should be left, the broader buffer zones the better. Should they be short and broad or long and thin? If species are depending on moist they should be short and broad and if species are depending on corridors they should be long and thin – it therefore depends on species. Make contact with Hyllander. Get more facts from the red list in Sweden. Speculate that climate matters – make differences in how buffer zones should be created. Elaborate the existing text with corridors. Add something on complementary. Magne takes charge of this part.
 - *The Carbon group*: Hydrology drives the changes in GHG. First: What are the important processes related to GHG in the forest before felling; Second: What will change after felling with and without the FbW zone. Third: The effects of alternative management on GHG. Lars takes charge of this part.
- Perhaps give recommendations for dry alternative wet conditions in each chapter, each ES. Ambio is a scientific journal so we do not have to give forestry recommendations – but

scientific recommendations, or more general recommendations. First give a definition of what is wet and what is dry. Dry = subsurface flow next to the water. Wet = surface flow. Per explains this in the definition chapter. Use vegetation to define wetness? Or ground water level? At what level – a stand level? Title of the paper? – think again! We should be wider than just clearfelling – and include other management options. We exclude economics! Could we pinpoint some important management options that apply to all countries? Buffer zones with or without trees? Small versus larger stream protection? The conclusions will depend on the perspective you have.

- Legislation: Karin worked on this part and will finish it before 15 November.
- **Timetable:** everyone finish text revisions before **15 November**. Per will write it all together before **1 December**. Please, Finland send stream length data at 50:000 scale.
- (Now when writing minutes I got the idea that we can try with a Skype meeting to finish the conclusion part in Dec./Jan.; I will initiate this; Per)

CAR-ES International Conference 2009

- We worked on finding keynote speakers checking the suggested candidates out on their homepages:
- The first one on environmental services could be combined with the introduction so that we discuss the potential different views and understanding of ES and end by presenting our version. So this will be given by Per.
- The social scientist: Paul Gobster; Ecologist: Joshua Bishop, Bart Muys, David Wardle; Stakeholder/politician: Arne Slettnes; Carbon: Beverly Law, Seppo Kellomäki; Biodiversity: Claire Kremen; Water: Kevin Bishop; Economy: Jette Bredal/Bo Jellesmark Thorsen.
- Leena make a process note on contacting and deciding on the keynote speakers, she sends a draft on what to write in the first contact e-mail and each of the topic leaders will make the contact and specify more on what we expect from each of the speakers. Follow up phone calls will be needed.
- Deadline for finalizing the programme on keynote speakers? 1/12-08?
- Announcement for abstracts?
- Deadline for abstracts: 1/4-2009
- Appointing other speakers: 1/5-2009.
- Final programme: 1/6-2009
- Closing of registration: 15/8-2009 (Decided by hotel)
- The special issue in *Silva Fennica*: Deadline for manuscripts at the conference. The journal will run the review process but we will be asked to be reviewers and to suggest reviewers.
- Distribution of pdf-leaflet that Ari is working on: EFI, IUFRO, Web page, personal distribution within ES groups, more?
- Funding: SNS ask for more info. Especially, why we can not pay for this from the CAR funds. We discussed this again and Leena already send the information to SNS/Sune Haga.

2008 Report

Per likes you to update the list of publications on the web page.

SNS would like to know the resources we are coordinating in the CAR-ES group. Per will send out same spread sheet as last year and Jan, Leena, Magne and Bjarni promised to make sure this is done more thorough next time.

Contributions will be asked for in late January.

Other

- The Forest and Water **fact-sheet** was celebrated. Plans for other were discussed, but no important message / outlets were identified for now.

- Speaking of fact sheets the more forestry oriented outlets were also discussed. Information **services** for forestry in Sweden is open source on Skogforsks home page (Kundskap Direkt) and in Finland from Tapio and also from Metla. The DK service is for subscribers only.
- **NMR** is working on a research cooperation **programme on Climate Change** where Forestry will be one of four projects with probably 5 mill. DKK (C sequestration will be one of the issues, but more things also expected). Call for proposals some time in 2009 (Per and Bjarni will keep an eye on this).
- **The Short Rotation project** is coming to a happy end with a paper being only a few details from being submitted.

Next meeting

- Scype-meeting between 1/4-1/5-2008 to set the speaker-list for the conference.
- Meeting in Iceland the first week of June: Themes: Finalisation of Ambio paper (if not before); preparing the CAR-ES talks for the Koli-conference (PGU will make a draft for the intro keynote on ES; discussing the future, new proposal e.g. participation in the NMR on Climate).

Thanks to Harri, Ari and Lena for organising!

Karin Hansen/Per Gundersen
November 4, 2008.