

## **CAR short project general information**

Centre of Advanced Research on Environmental Services (CAR-ES)

CAR 2005-2 <http://www.nordicforestry-cares.org/>

### **Objectives**

The overall objective of the CAR-ES is to provide the necessary knowledge for informed decisions on forest management with respect to the following major environmental services: carbon sequestration, water protection and biodiversity. The mission is to coordinate Nordic research in the area; eliminate potential overlap and promote effective use of Nordic R&D resources; as well as to promote synergy among the three environmental services in research as well as in practice.

### **Results**

The CAR runs a synthesis project on 'Environmental Services provided from Forests by the Water' which include riparian management and buffer zones. A draft paper intended for AMBIO has been developed from discussions over the last two meetings and will be finalised in spring 2008. A new research project was formulated by the CAR and funded 1-yr by SNS "Environmental impact of shorter forest rotations". This project has involved senior and junior researchers from Nordic Forestry Institutes as well as from Universities. A final report and peer-review paper will be ready in 2008. A seminar was held in 7-9 June 2007, Bergen, Norway on Biodiversity. Another seminar on Water and Climate unfortunately had to be postponed to January 2008. Three publications were published based on work in the CAR and 33 publications were produced from the work coordinated by the CAR.

### **Nordic aspect**

This CAR has led to new contacts between specialists within and between the three respective Environmental Service (ES) disciplines. The importance of this is substantial but hard to quantify. None of the researchers cooperated before the start of the CAR. At each meeting several hours are devoted to discuss current (inter)national research agendas: what are the current hot issues in each country; new projects; new publications etc. This brought the following benefits, among others: Modified research strategies or proposals, changed timing, repetition of work minimised; earlier and targeted circulation of useful reports and publication (especially synthesis papers/reports); exchange of proposals for inspiration and national use. The CAR activities improved a contribution to an ES workpackage in the EU EFORWOOD project, which again feed back to the CAR. Activities contribute to the COST action ForMan on forest hydrology and forest water management in a changing climate. Also new cooperation on Bioenergy and Environment has developed. The centre directly contributed to create the major new Icelandic research project (ForStreams) and is part of the effort in AFFORNORD and a project on C-sequestration.

### **Contacts**

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### **Budget**

The Current annual budget from SNS is 62 617 € The partner institutes contributed approximately the same budget from their own funds. The total turnover at the Nordic partner institutes within the broad research area Environmental Services is more than 5 mill. €