



# METSO Newsletter

FOREST BIODIVERSITY PROGRAMME FOR SOUTHERN FINLAND (METSO) 2003-2007  
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## LARGE RESEARCH PROGRAMMES SUPPORT METSO – FOREST BIODIVERSITY PROGRAMME FOR SOUTHERN FINLAND

The Forest Biodiversity Programme for Southern Finland (METSO) is supported by large research programmes. **MOSSE - Biodiversity and Monitoring Programme** is running 2003 - 2006, and **PUTTE - Deficiently known and endangered forest species in Finland**, is running 2003 - 2007. The annual budget of MOSSE is about 2.3 million euros, totalling close to 10 million euros. The financing of Deficiently known and endangered species will total about 10 million euros as well.

The third research programme supporting METSO, called 'TUK - Safeguarding forest biodiversity - policy instruments and socio-economic impacts', started last year. It includes e.g. monitoring of economical and social impacts of the METSO programme in 2006.

### MOSSE - Biodiversity and Monitoring Programme

MOSSE Programme includes a total of 46 research projects, 21 of which focusing on forests. Research topics cover ecology, economics and social dimensions of biodiversity issues in Finland. The implementing agencies include the Finnish Forest Research Institute, Finnish Environment Institute, several Finnish universities and some other research organisations.

### PUTTE - Deficiently known and endangered forest species in Finland

The PUTTE research programme (2003-2007) is another large biodiversity research programme running currently in Finland. The purpose of the programme is (1) to provide new information on endangered and deficiently known forest species, and (2) make the information usable in land use planning.

Finland is among the leading countries as to the knowledge of forest fauna and flora. However, recent inventories show that some two thirds of the flora or fauna is deficiently known in order to assess their rarity status. This knowledge is needed in conservation decisions. The programme includes about 30 research projects.



ERIKI KALLIO

Protection of the Baton Blue, a rare and threatened species of butterfly, may require conservation and management of dry, sunny forest slopes.

### TUK - Policy instruments and socio-economic impacts of safeguarding forest biodiversity

The TUK research programme started last year, and it is the third programme supporting METSO. TUK commits e.g. the monitoring of economical and social impacts of the METSO programme in 2006.

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Web pages of these Research Programmes: [www.mmm.fi/metso/international/research](http://www.mmm.fi/metso/international/research)

## LIST OF FOREST RELATED RESEARCH PROJECTS IN THE MOSSE RESEARCH PROGRAMME

- Heikkinen, Risto, Finnish Environment Institute: Importance of small nature reserves and woodland key habitats for forest plants and lichens
- Horne Paula, Finnish Forest Research Institute: Policy instruments for biodiversity conservation in private forests - viewpoint of landowners and environmental officials
- Horne Paula, Finnish Forest Research Institute: Project for developing the follow-up mechanisms of the economic and social impacts of METSO programme
- Hynynen, Jari, Finnish Forest Research Institute: Producing coarse woody debris in managed forests - effect on wood production, biodiversity and economy
- Kotiaho, Janne, University of Jyväskylä: Buffer zones and careful silviculture as means to conserve biodiversity
- Kotiaho, Janne, University of Jyväskylä: The significance of fire and decaying wood in the management and restoration of forest biodiversity
- Kurttila, Mikko, Finnish Forest Research Institute: Ecological considerations in landscape-level collaborative planning of private forestry
- Kuuluvainen, Timo, University of Helsinki: Forest restoration and regional models and methods for nature conservation in economic forestry.
- Luque, Sandra, Finnish Forest Research Institute: A hierarchical approach to protect forest biodiversity and to assess habitat suitability in the Finnish Forest
- Mönkkönen, Mikko, University of Oulu: Incorporating ecological knowledge to landscape level forestry planning
- Mönkkönen, Mikko, University of Oulu, Cost-effective forest conservation in Southern Finland
- Raunio, Anne, Finnish Environment Institute: The assessment of threatened habitat types in Finland
- Roininen, Heikki, Finnish Forest Research Institute: Management of storm induced pest problems in forestry
- Sievänen, Tuija, Finnish Forest Research Institute: Regional economic effects of recreational use of conservation areas
- Siitonen, Juha, Finnish Forest Research Institute: Effects of biodiversity-oriented forest management on species diversity - development of assessment and monitoring
- Siitonen, Juha, Finnish Forest Research Institute: Effects of biodiversity-oriented forest management on species diversity - monitoring key habitats and retention cutting areas
- Siitonen, Juha, Finnish Forest Research Institute: Restoration of nature reserves and comparison of ecological effects of nature conservation in economic forestry
- Sippola, Anna-Liisa, University of Lapland: Developing polypore indicators in assessing the conservation value of boreal forests
- Toivonen, Ritva, Pellerö Economic Institute: Economic and social impacts of forest nature conservation - regional and national -level analysis
- Venäläinen, Ari, Finnish Meteorological Institute: The development of forest fire risk estimation method for boreal forests
- Virkkala, Raimo, Finnish Environment Institute: Restoration of forests for species recovery: distance from the source area, amount of dead wood and time since disturbance

### METSO reports in English:

- First interim report, Summary (April 2005)
- Second interim report, Summary
- Becoming: Third interim report (June 2006)
- Becoming: MOSSE Research report (Sept 2006)
- Becoming: Final evaluation report (Oct 2006)



English pages of the METSO Programme: [www.mmm.fi/metso/international](http://www.mmm.fi/metso/international)