Send the report to SNS@slu.se and efinord@ifi.int

REPORT NETWORK ACTIVITY (meeting, conference etc.)
Please notice that the size of text sections in the form can be adjusted if needed. 
The length of the final report should not exceed 3 pages. Supplementary information can be attached.

<table>
<thead>
<tr>
<th>1. Aktivitetens titel</th>
<th>Analys av naturlig ströningsdynamik i skogsekosystem förvaltning</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Activity title</td>
<td>Natural Disturbance Dynamics Analysis for Ecosystem Based Management (FORDISMAN)</td>
</tr>
</tbody>
</table>
| 3. Coordinator /contact person | Kalev Jõgiste
Institute of Forestry and Rural Engineering
Estonian University of Life Sciences
Kreutzwaldi 5, 51014 Tartu, ESTONIA
Phone: +372 7 313 133; +372 50 56619; Fax: +372 7 313 153
e-mail: kalev.jogiste@emu.ee |
| 4. Duration | The activity started /01/01 2016 and ended 31/12 2016 |
| 5. Cost | SNS-grant: 9900 EUR | Total activity cost (estimate): |
### Description of activity (incl. objectives, results, conclusions)

The network FORDISMAN workshop *The challenge of global change: disturbance and risk in forest ecosystem management* took place on October 27–29, 2016 in Narva, Estonia. Meeting brought together specialist on forest history and modelling. The land use history was discussed during the meeting. Timo Kuuluvainen from the University of Helsinki was presenting the keynote speech “Managing boreal forests under global change risks: resistance or resilience?” Dr. Anneli Poska keynote presentation was Development of Estonian forest communities in context of long-term climate and human impact changes”, and Dr. Rupert Seidl (BOKU) had speech “Changing disturbance regimes: Challenges and opportunities for forest management”. Two sessions offered research communications on different topics: forest fires, invasive species, conservation strategies. The discussion on ecosystem services was initiated by Marek Metslaid with study results on carbon dynamics after forest fires. Poster session provided a good complementation to main presentations. Field excursion was organized to Porun Primeval forest at the Narva River. On site explanations on restoration and conservation of ecosystems was lively and fruitful. Social event was organized in Narva castle to introduce important historical events of the region.

FORDISMAN colleagues were involved in arranging the M.Sc course “Forest disturbances and ecosystem services: data and modelling” Oct 31 – Nov 6, 2016, Tartu. Teachers at the course were addressed to resubmit the H2020 proposal for TWINNING activity.

Dr. Dominik Thom from BOKU had short time scientific mission at Estonian University of Life Sciences to the iland model with Estonian data.

Dr. Kajar Köster set to work at the University of Helsinki having a grant from Finnish Research Council.

### Evt. publication/communication

<table>
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<tr>
<th>Author(s)</th>
<th>Title</th>
<th>Journal/Publication</th>
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8.
Activity summary (about 1/3 page) for possible use in the News & Views section of Scandinavian Journal of Forest Research

The network FORDISMAN workshop *The challenge of global change: disturbance and risk in forest ecosystem management* took place on October 27.–29. 2016 in Narva, Estonia.

The analysis on the key components of ecosystems legacies was conducted and conceptual framework defined. The concept of ecological memory was employed to present a theory of forest disturbances and ecosystem legacies. The land use legacies continue to affect the condition of the forest ecosystem services during long time. The man-made forest react on the changing climate conditions with unpredictable outcomes. The possible scenarios with the probabilistic analysis should put the managers in the position to analyse the decisions and risk factors behind those.

Forest history tracking with pollen analysis data is a new topic of FORDISMAN network. Dr. Anneli Poska from Tallinn University of Technology indicated the possibilities to analyze the forest biodiversity within postglacial development of forests.

The activity for cooperation with other EFINORD-SNS groups was discussed. The joint meetings with PRIFOR group has proved to be an excellent way to exchange the ideas and research experience. More activities are planned with FORREC group (meeting at Lund 2017).

9.
Date and signature

Date: 28.02.2017  Signature of project leader/coordinator: Kalev Jõgiste