Report for joint EFINORD-SNS networks

Submit the report before March 1st the year following the activity to: sns@slu.se and efinord@efi.int
The report should not exceed 1000 words (including words in the template).

1. Network title: Northern European Network for Wood Science and Engineering
2. Network no: N2017-03

3. Network coordinator
   Norwegian institute of bioeconomy research
   Erik Larnøy
   Address: PB 115, 1431 Ås, Norway
   Email: lae@nibio.no

4. Place for the activity: Northern Europe
5. Duration of the activity: Start: 2005 End: Not ended yet

6. List the published outputs (peer-reviewed articles, other publications):
   We have successfully arranged a conference in Copenhagen with contributions from several countries. Our Keynote speakers were EVANS, P. D., et al: ENVIRONMENTAL CRACKING OF WOOD: CONSEQUENCES, CAUSES AND CONTROL from University of British Colombia, Canada and ZELINKA, S. L.: ROLE OF TRANSPORT IN WOOD DAMAGE MECHANISMS from Forest Products Laboratory, USA.
   We have tied the network community better together, got new research colleagues, and exchanged master and phd students.
   We have prepared a databank for the researchers and institutes in the network
   We have a Facebook page for communication.
Several institutes in the northern European countries went together to send in several Forestvalue applications.

Proceedings from the conference are attached to the email

Special issue in International wood products journal

Selected conference contributions was invited for submission of full manuscripts for publication in a special issue of the International Wood Products Journal. To provide younger researchers an opportunity to showcase their research to a broader audience, their work is given priority for this special issue.

PhD course:

PhD course on transport processes

Prior to WSE 2017, the University of Copenhagen is welcoming PhD-students, postdocs, and other early-stage researchers to participate in a 1-day PhD-course on transport phenomena in biomass. Emil E. Thybring University of Copenhagen, Denmark and Samuel L. Zelinka Forest Products Laboratory, Madison, WI, USA was the lectures. 24 students attended the course

The WSE network on wood technology has had yet another good year. This year we have collaborated on forest value applications, exchange students and had increasing contact.

In the meeting and conference in Copenhagen 2017 we had 90 participants and for our PhD course we had 24 students. Selected publications were invited to a special issue in the International Wood Products Journal
This North European network has through conference and contacts, established and maintained a platform for cooperation that got well used during this year’s Forest value application.

The network brings awareness to the world of wood science and are reducing similar work and encouraging cooperation between researchers.

10. Download, fill in and return the ‘policy brief’ template, which will be used for spreading information about the network and its findings in a popular scientific manner.

This will be delivered by Emil Engelund Thybring

11. List the participating countries:

The National coordinators were in 2016: Magnus Wålinder (Sweden) Erik Larnøy (Norway) Marketta Sipi (Finland) Jaan Kers (Estonia) Bruno Andersons (Latvia) Daniel Ridley-Ellis (Northern UK) Emil Engelund Thybring (Denmark) Kristina Ukvalbergienė (Lithuania) Christian Brischke (Northern Germany) Bartolomej Mazela (Poland)

12. List the participating sectors:

- Wood physics and mechanics
- Engineered wood products & composites
- Wood protection and modification, durability
- Application of wood based materials
- Wood engineering

13. Number of participants in the network activities

<table>
<thead>
<tr>
<th></th>
<th>Women</th>
<th>Men</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Young researchers / PhD students</td>
<td>24</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>Senior academics</td>
<td>18</td>
<td>31</td>
<td></td>
</tr>
<tr>
<td>Stakeholders</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communicators</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total number of participants</td>
<td>42</td>
<td>48</td>
<td></td>
</tr>
</tbody>
</table>

14. Economy

Specify currency:       

Received grant from SNS & EFINORD: 200,000 SEK (190,280 NOK)
## Costs

Please report costs without VAT.

<table>
<thead>
<tr>
<th></th>
<th>SNS funding</th>
<th>External funds</th>
<th>Total</th>
<th>SNS – EFINORD funding (% of total)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Travel and hotel</td>
<td>29.157</td>
<td>450.000</td>
<td>479.157</td>
<td>6%</td>
</tr>
<tr>
<td>Meeting costs</td>
<td>160.215</td>
<td>0</td>
<td>160.215</td>
<td>100%</td>
</tr>
<tr>
<td>Communication</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consumables</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Salary</td>
<td>0</td>
<td>1.080.000</td>
<td>1.080000</td>
<td>0%</td>
</tr>
<tr>
<td>(Other costs (specify below))</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total SUM</strong></td>
<td><strong>189.372 NOK</strong></td>
<td><strong>1.530.000</strong></td>
<td><strong>1.719.372</strong></td>
<td><strong>11%</strong></td>
</tr>
</tbody>
</table>

### Economic result (deficit or surplus):

The network ended up with a surplus of 908 NOK. We ask for this to be transferred to the 2018 budget.

### Comments to the economic reporting:

I hereby declare that the above statements are true to the best of my knowledge
Report for joint EFINORD-SNS network

Main applicant signature, place and date

(Signature) NIBIO Ås 15.02.2018
(Institution) (Day / Month / Year)

Signature of head of research institution

Bjørn Håvard Evjen NIBIO Ås 22.02.2018
(Signature) (Institution) (Day / Month / Year)

BJØRN HÅVARD EVJEN, DIVISION DIRECTOR
(Printed name, function)