

## Annual report for SNS Centre of Advanced Research (CAR)

Submit the annual report to [sns@slu.se](mailto:sns@slu.se) by 24:00 CET, 1<sup>st</sup> of March at the latest.  
The report should not exceed 2000 words (including words in the template).

Please adjust the box size according to the length of your answer.

1. Project title:	NB NORD – Nordic Baltic Network for Operational Research and Development
2. Reporting year:	2019

3. Project coordinator:	Rolf Björheden
Email:	rolf.bjorheden@skogforsk.se
Address:	Skogforsk, Uppsala Science Park, SE-751 83 Uppsala, Sweden

### Activities during the reporting year:

<p>4. Project status</p> <p>a) Does the project develop according to the plans? b) Describe the activities during the reporting year.</p> <p>a) The development follows the plan of the CAR application with adjustments done by the CC.</p> <p>b) Activities during the reporting year</p> <p><b>CAR Coordination:</b> The CAR Coordinating Committee has had three planning meetings of which one a physical meeting, in Finland 2019-09-17–18, which was judged to be necessary since three of the 6 CC members were new to the group. The two additional activities were carried out as virtual meetings.</p> <p><b>CAR Conferences:</b></p> <ul style="list-style-type: none"> <li>NB-NORDs main achievement, the joint Conference for Nordic Baltic R&amp;D on forest operations research, <i>Forest Operations in Response to Environmental Challenges</i>, was held in Honne, Norway, June 3-5, 2019. More than 50 attendants shared 46 reports from the latest research.</li> </ul> <p><b>CAR Focus area activities</b> Although 2019 was a conference year, some focus areas have had the opportunity to also progress their respective areas.</p> <ul style="list-style-type: none"> <li><i>FA Timber transportation and low volume roads</i> held four general Skype meetings and two working meetings in conjunction with the joint <i>Transport Costing Handbook</i> that will be published in 2020.</li> <li><i>FA Low impact logging</i> held a planning meeting for an upcoming Workshop <i>Gentle logging</i> to be held in Sweden in 2020.</li> <li><i>FA Mechanized silviculture</i> held three virtual meetings in preparation for a Workshop in Sweden on the subject <i>Small tree harvesting</i></li> </ul>
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5. List the published outputs during the reporting year (peer-reviewed articles, other publications):

**CAR publications**

During 2019 the main publication of NB NORD is the book of proceedings from the Biennial conference (Program and proceedings published at <https://nordicforestresearch.org/wp-content/uploads/2019/06/Proceedings-Lowres-Honne-2019.pdf>)

The work on a policy brief, *Climate impact of Nordic-Baltic Forestry*, and a *Handbook of Transportation Costing* has progressed during the year and publication is planned in 2020.

For a list of the publications of the Forest Operations area at the participating institutes, e.g  
<https://www.skogforsk.se/kunskap/kunskapsbanken/#query=2018&scrollto=#filterShowTab>  
<https://www.luke.fi/en/publications-archive/>  
<http://www.metsäteho.fi/kategoria/arkisto/julkaisuarkisto/>  
<http://www.silava.lv/mainen/Mezzinatne.aspx>  
<https://www.nibio.no/en/publications/nibio-s-scientific-publications-new>  
<https://ign.ku.dk/english/outreach-publications/>

6. List other practical outputs during the reporting year (websites, policy recommendations, conferences, scientific meetings, large-scale project applications, research training etc.)

NB NORD presentations on the respective Institutes web site (see above)

Successful joint application for Forest value Project AVATAR:

<http://www.avatar.uni-goettingen.de/>

<https://twitter.com/AVATARo267322>, [https://www.youtube.com/watch?v=4-vCBhC8\\_N8](https://www.youtube.com/watch?v=4-vCBhC8_N8)

## Economic report

7. Received grant from SNS for the reporting year (SEK):

450 000

8. Transfer of SNS funds to project partners

Country	Partner organization	Sum (SEK)
Denmark	KU	105 029
Finland	Metsäteho	51 014
Sweden	Skogforsk	130 025
Norway	Nibio	211 428
Iceland	Iceland is not a member of NB NORD	n/a
Other countries (specify)	Latvia, Research institute "Silava",	55 943
<b>Total SUM</b>		<b>553 439</b>

## 9. Costs

	SNS funding	External funds*	Total*
Travel and hotel	24 168		
Meeting costs	377 843		
Consumables	-		
Salary	119 625		
Communication	31 803		
Other costs (specify)	-		
<b>Total SUM (SEK)</b>	<b>553 439</b>	<b>11 070 000**</b>	<b>11 623 429</b>

\* If possible, provide details otherwise summarize the total sum for external funds and total.

\*\* Estimate based on the respective institutes preliminary reporting.

Optional: Comments to the economic overview:

The figures for SNS funding distributed in 2019 include payments for activities carried over from other years of activity. Actual transfers of funds were carried out in 2019.

I hereby declare that the above statements are true to the best of my knowledge

Main applicant's signature, place and date



Rolf Björheden

Skogforsk, Uppsala

20/02/2020

(Day / Month / Year)

Signature of the head of the main applicant's research institution



(Signature)

Skogforsk, Uppsala

20/02/2020

(Day / Month / Year)

Magnus Thor, Head of Research



Annual report for SNS Centre of Advanced Research (CAR)

Second applicant's signature, place and date



Heikki Pajuoja

Metsäteho

20.2.2020

(Day / Month / Year)

Third applicant's signature, place and date



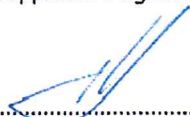
Jori Uusitalo

Luke

19.2.2020

(Day / Month / Year)

Fourth applicant's signature, place and date



Andis Lazdins

LSFRI "Silava"

20/02/2020

(Day / Month / Year)

Fifth applicant's signature, place and date



Ingeborg Callesen

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OG NATURFORVALTNING  
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KU, IGN



20/02/2020

(Day / Month / Year)

Sixth applicant's signature, place and date



Frans Kockum

As  
NIBIO

20/02/2020

(Day / Month / Year)