

Annual report for CARs

Submit the report before March 1st to: sns@slu.se
The report should not exceed 1500 words (including words in the template).

1. CAR title:	"The Nordic forest-based sector in the bioeconomy – NOFOBE" (2016-2020) Project code: NOFOBE
2. Reporting year:	2017

3. Project coordinator:	Hans Fredrik Hoen
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Activities during the reporting year:

4. Description of the activities during the reporting year:
<p>The NOFOBE CAR reports three activities from 2017:</p> <p>The main activity in 2017 was the joint conference and workshop "<i>Industrial scale Bioeconomy and its Requirements</i>" arranged with SNS-CAR NB-Nord in Lappeenranta, Finland mid-June 2017. This was also the Forest-Based Bioeconomy week (FBBW) 2017. The conference gathered more than 60 participants from the Nordic-Baltic countries. The detailed programme of the conference can be found here: http://www.metsateho.fi/lappeenranta-2017/</p> <p>The program consisted of a combination of invited keynote presentations and more than 30 oral presentations from the conference participants. Abstracts from the oral presentations have been compiled into proceedings, which is published in the series Scandinavian Forest Economics (Volume 47). The proceedings is available at the SSFE-webpage (https://www.ssfe-network.org/).</p> <p>During the afternoon of Thursday June 15th a field trip was organised, visiting pulp-, sawmill- and bioenergy-operations and research-centers of UPM Kaukas - Lappeenranta, MetsäFibre - Joutseno and Stora Enso Research Centre - Imatra. The field trip demonstrated cutting edge industrial operations at an impressive scale.</p> <p>NOFOBE covered costs for PhD-students participating at the conference and giving an oral presentation.</p> <p>The second effort in 2017 was completing the editing of a special issue (SI) in Journal of Forest Economics based on oral presentations given at the 2016 SSFE Biennial meeting at Oscarsborg, Norway. This was arranged jointly with NOFOBE and constituted the FBBW 2016. The work with editing the SI has been completed and the introduction (being published online) to the SI can be found here: https://www.sciencedirect.com/science/article/pii/S1104689918300072</p> <p>The third effort in 2017 in the NOFOBE-CAR was starting the work to prepare a survey to map perceptions and general awareness in the public towards wood-frame multi-storey construction in the Nordic countries (Denmark, Finland, Norway and Sweden) and possibly in some other European countries, such as UK, Germany and Austria.</p>

Place and date for the activities:

5. Activity	Place (country) for the activity	Duration (date)
Scientific conference	Finland (Lappeenranta)	14 th – 16 th of June, 2017
Workshop-meeting – Survey on multi-storey wood construction	Finland (Lappeenranta)	16 th of June, 2017
Workshop-meeting – Survey on multi-storey wood construction	Finland (Helsinki)	12 th of December, 2017

6. Project status:

- Does the project develop according to the research plan? Please elaborate:
- Does the project deviate from the research plan? Please elaborate:

The project administration group had two physical meetings in 2017, one during the Lappeenranta-conference (4 participants) and one in Helsinki (6 participants) in combination with the EFI-Nord annual meeting (December 12th, 2017).

There is consensus among the NOFOBE-partners to pool funding (2017 and 2018) to prepare a survey and perform the survey jointly in the Nordic countries (Denmark, Finland, Norway, Sweden) and possibly also in important export-market countries (UK, Germany). The latter will depend on costs and the budget available. A professional polling agency will be recruited to set up and perform the data collection. Most previous studies on the perceptions towards wood construction target those who already have some experience. Comprehensive random sample surveys are missing. Addressing this gap is important, since 1) surveys based on respondents with prior experience may be biased towards certain views, 2) market share at least in some sub-sectors or regions is still small, so it is important to understand the general perceptions to guide market development. Finally, such a multi-country survey has not yet been done on this topic making comparative cross-country analyses possible.

The activity in the second year of NOFOBE has been in line with the project application. The incurred costs have been lower than the available budget, see also 9 of this report.

Results during the reporting year:

7. List the published outputs during the reporting year (peer-reviewed articles, other publications):

Scandinavian Forest Economics Volume 47 - available at the SSFE-webpage (<https://www.ssfe-network.org/>) 60 pages.

Special issue Journal of Forest Economics - Introduction (published online <https://www.sciencedirect.com/science/article/pii/S1104689918300072>) + 5 scientific articles (forthcoming).

8. Other practical outputs during the reporting year (e.g. websites, policy recommendations, conferences, large-scale project applications etc.)

Conference: Scientific conference and workshop "*Industrial scale Bioeconomy and its Requirements*" arranged with SNS-CAR NB-Nord in Lappeenranta, Finland mid-June 2017, arranged jointly with SNS-CAR NB-Nord.

9. Economic overview for the reporting year

Received grant from SNS for the reporting year:	Specify currency:
432 765.00	NOK

Costs. Please report costs without VAT.

	SNS funding	External funds	Total
Travel and hotel	41 359.17		41 359.17
Meeting costs	5 423.95		5 423.95
Communication			0.00
Consumables	7 718.57		7 718.57
Salary	40 700.00		40 700.00
(Other costs (specify below))	10 268.70		10 268.70
Total SUM	105 470.39	0.00	105 470.39

Transfer of SNS funds to project partners

Sum	Receiver of (partner) and reason for transfer
5 701.63	UNIVERSITY OF HELSINKI: Travel expenses of Anne Toppinen in Arlanda 16.-17.11.16.
2 976.18	UNIVERSITY OF HELSINKI: Reimbursement of Jenni Miettinen's travel costs, Lappeenranta conference, June 2017.
3 211.96	LUKE: Joint operation cost compensation NOFOBE net project workshop, Riitta Hänninen, travel costs Arlanda 16.-17.11.2016.
2 402.92	LUKE: Joint operation cost compensation 15.-17.11.2016 EFINORD-SNS workshop, SNS CAR net planing group meeting Radisson Blu SkyCity, Arlanda. Travel costs, Sinkka Västilä.
15 196.79	KØBENHAVNS UNIVERSITET: NOFOBE rejseomkostninger I IFFRO, UCPH. Arlanda 16.-17.11.2016
14 062.75	EFI: NOFOBE, grants for projects. Short Term Scientific Mission (STSM) Elias Hurmekoski, May 2016.

Comments to the economic overview:

The NOFOBE-CAR has spent fewer resources than the available budget in 2017. This has been deliberate to pool budget in order to fund a major data collection effort planned for 2018. The NOFOBE-CAR plan to spend a considerable part of its budget (pooled 2017 and 2018 funds) to fund a joint Nordic survey (Denmark, Finland, Norway and Sweden), cf. also item 6 of this report. This is well in line with the objectives of the CAR as presented in the application (see section 6. of the application), see e.g.:

- *“Indeed, the changing demand patterns for forest-based products constitute a significant research gap, which the research orientations in forest economics, forest products markets and forest policy ought to address for improved relevance for industries, other stakeholders and for policy-making.”*
- *“Through the joint undertaking, this interdisciplinary research initiative will explore, analyse, and quantify potentials and opportunities for the forest-based sector to contribute to bioeconomy, with an emphasis on the Nordic countries.”*
- *“The CAR focuses on solid wood industries, forest-based process industries, and international policy and market developments.”*

The project administration group has agreed to set aside up to 90.000 € to fund such a data collection. The data will be collected in the second half of 2018. The data will be analysed jointly and create a platform for cooperation of mutual benefit for the project partners.

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

Signature of the CAR coordinator, place and date

Hans Fredrik Horn

(Signature)

НМВУ

(Institution)

5/3/2018

(Day / Month / Year)

Signature of head of research institution

[Handwritten signature]

(Signature)

NMBU

(Institution)

5/31/2018

(Day / Month / Year)

SJUR BAARDSEN, DEAN

(Printed name, function)