

Report for annual networks

Submit the report to sns@slu.se by 24:00 CET, 1st of March the year after the network period.

The report should not exceed 2000 words.

Please adjust the size of the boxes to the length of your answer.

| | |
|--------------------------|--|
| 1. Title of the network: | Northern European Network for Wood Science and Engineering |
| 2. Network number: | N2021-05 |
| 3. Main applicant: | Erik Larnøy NIBIO |
| Email: | lae@nibio.no |
| Address: | Pb 115, 1431 Ås |

Activities

| | |
|--|-----------------|
| 4. Place of the activities: | Northern Europe |
| Duration of the activities (start date, end date): | 2005 -2021 |

5. Provide a short network summary, including:

a) The purpose of the project/main problems/background

The purpose of the network is to contribute to the optimization of the resources spent individually and by society on research projects within Wood Science and Engineering in the EFI NORD area. The goal is to coordinate Northern European research in this field by maintaining a network between senior researchers, PhD students and industrial representatives.

The network targets wood and wood based products and their production and use in constructions. For 2021 The main topic of the workshop was "Wood in the Future Products".

b) A description of the main activities of the network

We have organized a two-day Wood Science and Engineering Network Workshop to exchange information on current research activities and jointly formulate essential long-term research goals within the Northern European region.

This workshop and conference took place in Kaunas, Lithuania, in the fall of 2021. The Department of Product Engineering, Faculty of Mechanical Engineering and Design, Kaunas University of Technology organized the workshop and PhD course from 13-15 October. Oral presentations and a poster session was presented during the conference, as well as presentations with extended summaries of the seminar.

WSE in 2021 was organized as a hybrid conference where we have the possibilities of both in person and online participation.

We have also organized a course for PhD students and early-stage researchers on the 13th of October in conjunction with the WSE2021.

A 1 day course for PhD students and early-stage researchers will be organized in conjunction with the WSE conference in 2021 as well. The topic of the course was "Future products of Wood", which were led by assoc prof. K. Ukvalbergienė, dr. Mindaugas Bulota and dr. Rūta Valušytė. The course attracted 16 participants.

Outcomes

6. Published outputs achieved as a consequence of the network (peer-reviewed articles, other publications)

We have a book of the extended abstracts as pdf-document.

The posters were presented on the webpage: <https://wse2021.ktu.edu/>

7. Other practical outputs of the network (workshops, conferences, scientific meetings, policy recommendations, conferences, large-scale project applications, websites or databases etc.)

We have organized a two-day Wood Science and Engineering Network Workshop to exchange information on current research activities and jointly formulate essential long-term research goals within the Northern European region. This was done online in Kaunas, Lithuania

We also facilitated several student exchange, and a WSE-YRF (young research forum) meeting

8. How and within which areas was the network beneficial for the Nordic region (Denmark, Finland, Iceland, Norway, Sweden and the autonomous areas of the Faroe Islands, Greenland and Åland Islands)?

This network has made it possible for several researchers within Northern Europe to come together and to discuss and develop future application of wood technology.

9. Provide a popular science piece for dissemination in SNS' various channels (maximum 700 words) *with emphasis on application of results and benefits for the Nordic society.*

Provide pictures (size at least 500x500 pixels and resolution at least 72 pixels) as separate files (.jpg). Include caption to each picture, including the name of photographer.

The Northern European Network for Wood Science and Engineering is very well working network for researchers in Northern Europe in the field of Wood Science and Engineering. The network offers a common base for researchers, both young and established, to interact and exchange ideas. The network forms a strong wood research community.

The Course attracts especially PhD students and young researchers and the annual conference both young researchers and senior scientists, to meet and discuss future possibilities within the wood technology sector.

Please have a closer look to <https://wse2021.ktu.edu/> for pictures and proceedings

Participation and inclusion in the network activities

10. Participants

| Country | PhD students & Post-docs | Other researchers | Stakeholders | Communication officers | Gender | | | Total |
|-----------|--------------------------|-------------------|--------------|------------------------|--------|-----|-------|-------|
| | | | | | Women | Men | Other | |
| Denmark | 2 | 2 | | | 3 | 1 | | 4 |
| Finland | 3 | 3 | | | 3 | 3 | | 6 |
| Iceland | | | | | | | | 0 |
| Norway | | 6 | | | 3 | 3 | | 6 |
| Sweden | 7 | 4 | | | 6 | 5 | | 11 |
| Estonia | 7 | 4 | | | 3 | 8 | | 11 |
| N-UK | 4 | | | | 2 | 2 | | 4 |
| N-DE | 9 | 3 | | | 3 | 9 | | 12 |
| Lithuania | 8 | 4 | | | 5 | 7 | | 12 |
| Latvia | 1 | 3 | | | 1 | 3 | | 4 |

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|--------------|-----------|-----------|--|----------|-----------|-----------|--|-----------|
| N-Poland | 5 | 1 | | | 1 | 5 | | 6 |
| other | 1 | 1 | | 1 | | 3 | | 3 |
| Total | 47 | 31 | | 1 | 30 | 49 | | 79 |

Economic report

11. Received grant from SNS (SEK):

200000

| 12. Costs | SNS funding | Co-financing | Total |
|--------------------------|---------------|---------------|---------------|
| Travel and accommodation | 25000 | 256000 | 281000 |
| Meeting costs | 145000 | 60000 | 205000 |
| Communication | 30000 | | 30000 |
| Other costs (specify) | | | |
| Total SUM (SEK) | 200000 | 316000 | 516000 |

13. Allocation of SNS funding

| Country | Partner organization | % of total |
|------------------|---------------------------------|-------------|
| Denmark | | |
| Finland | | |
| Sweden | | |
| Norway | | |
| Iceland | | |
| Lithuania | Kaunas university of technology | 100% |
| ... | | |
| Total SUM | | 100% |

14. Economic result (deficit or surplus)

Cost of conference + travel = 214896,4 = 14896,4 in deficit

Optional: Comments to the economic reporting

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

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Signature of the main applicant

 NIBIO 13/9-22

Signature Organization Date
Erik Larnøy

Printed name

Signature of the department head at the department of the main applicant

 NIBIO 13/9-22

Signature Organization Date
BJØRN HÅVARD EVSEN

Printed name

Second applicant's signature, place and date

----- Kaunas University of Technology, Lithuania -----
Signature Organization Date
Kristina Ukvalbergiene

Printed name

Third applicant's signature, place and date

- University of Helsinki
Signature Organization Date
Marketta Sipi

Printed name

Report for annual networks

Signature of the main applicant

Signature Organization Date
Erik Larnøy

Printed name

NIBIO

Signature of the department head at the department of the main applicant

Signature Organization Date

Printed name

Second applicant's signature, place and date

Signature Organization Date
Kristina Ukvalbergiene

Printed name

Kaunas University of Technology, Lithuania 2022-09-08

Third applicant's signature, place and date

Signature Organization Date
Marketta Sipi

Printed name

- University of Helsinki

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Signature of the main applicant

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Kaunas University of Technology, Lithuania
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Signature Organization Date
- University of Helsinki
Marketta Sipi
Printed name

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Forth applicant's signature, place and date



University of Copenhagen, Denmark

2022-09-08

Signature

Organization

Date

Emil Engelund Thybring
Printed name

Fifth applicant's signature, place and date

Georg-August University Göttingen,
Northern Germany

Signature

Organization

Date

Christian Brischke

Printed name

Forth applicant's signature, place and date

University of Copenhagen, Denmark

Signature

Organization

Date

-
Emil Engelund Thybring
Printed name

Fifth applicant's signature, place and date



Georg-August University Göttingen,
Northern Germany

09/09/2022

Signature

Organization

Date

Christian Brischke

Printed name