

Report for annual networks

Submit the report to sns@slu.se by 24:00 CET, 1st of March the year after the activities.
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: | N2020-02 |

| | |
|--------------------|-------------------|
| 3. Main applicant: | Erik Larnøy NIBIO |
| Email: | lae@nibio.no |
| Address: | Pb 115, 1431 Ås |

Activities

| | |
|--|-----------------|
| 4. Place of the activity: | Northern Europe |
| Duration of the activity (start date, end date): | 2005 -2020 |

| | |
|--|--|
| 5. Provide a short network summary, including: | |
| a) The purpose of the project/main problems/background | |
| <p>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.</p> <p>The network targets wood and wood based products and their production and use in constructions.</p> <p>For 2020 the main focus of the network was ""Utilization of wood characteristics in constructions and novel wood products".</p> | |
| b) A description of the main activities of the network | |
| <p>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. Major theme of the workshop was "Utilization of wood characteristics in constructions and novel wood products". Wood is renewable and recyclable, and its use promotes sustainable development. Wood products (etc. wooden structures, buildings) having a long life span are carbon storages for decades, even centuries, mitigating climate change. Buildings made of wood have a smaller carbon footprint than buildings made of non-renewable materials (LCA). Novel wood products, e.g. wood modification, embrace the development of sustainable and eco-friendly processes and products.</p> <p>This workshop and conference was organized on the 1th – 2th December. The conference include both oral presentations and a poster session and proceedings with extended abstracts from the workshop was published.</p> <p>We have also organized a course for PhD students and early-stage researchers on the 30th November in conjunction with the WSE2020. The theme of the course was "Current wood technological research at the University of Helsinki and the Aalto University: from forests to products". The course attracted 32 participants.</p> <p>Because of the situation caused by COVID-19, the conference as well as the course were online only. University of Helsinki host the both events.</p> | |

Outcome

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.

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

8. How and within which areas was the network beneficial for the Nordic region?

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.

* Nordic is defined here as Denmark, Finland, Iceland, Norway, Sweden and the autonomous areas of the Faroe Islands, Greenland and Åland Islands.

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.

Because of the events were online only, we couldn't take pictures in the events.

Participation and inclusion in the network activities

| 10. Participants | | | | | | | | |
|------------------|--------------------------|--------------------|--------------|------------------------|--------|-----|-------|-------|
| Country | PhD students & Post-docs | Senior researchers | Stakeholders | Communication officers | Gender | | | Total |
| | | | | | Women | Men | Other | |
| Denmark | 3 | 4 | 3 | 0 | 6 | 4 | 0 | 10 |
| Finland | 13 | 16 | 5 | 0 | 17 | 17 | 0 | 34 |
| Iceland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Norway | 2 | 7 | 1 | 0 | 3 | 7 | 0 | 10 |
| Sweden | 12 | 9 | 1 | 0 | 9 | 13 | 0 | 22 |
| Estonia | 5 | 4 | 2 | 0 | 3 | 8 | 0 | 11 |

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| | | | | | | | | |
|--------------|-----------|-----------|-----------|----------|-----------|-----------|----------|------------|
| Latvia | 1 | 3 | 0 | 0 | 1 | 3 | 0 | 4 |
| Lithuania | 1 | 5 | 0 | 0 | 3 | 3 | 0 | 6 |
| Germany | 8 | 7 | 0 | 0 | 5 | 10 | 0 | 15 |
| Poland | 4 | 2 | 0 | 0 | 2 | 4 | 0 | 6 |
| UK | 1 | 6 | 3 | 0 | 3 | 7 | 0 | 10 |
| Ireland | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| Romania | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Other | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 2 |
| Total | 51 | 64 | 17 | 0 | 53 | 79 | 0 | 132 |

Economic report

| |
|---|
| 11. Received grant from SNS (SEK): |
| 200.000 |

| 12. Costs | SNS funding | Co-financing | Total |
|--------------------------|--------------------|---------------------------------|---------------|
| Travel and accommodation | | | |
| Meeting costs | 37624 | 60000 | 97624 |
| Communication | 11001 | 20000 | 31001 |
| Other costs (specify) | | Own cost researchers 200.000 | 200000 |
| Total SUM (SEK) | 48625 | 280000 | 328625 |

| 13. Allocation of SNS funding | | |
|--------------------------------------|-----------------------------|-------------------|
| Country | Partner organization | % of total |
| Denmark | | |
| Finland | 37624 | 19 |
| Sweden | 11001 | 5 |
| Norway | | |
| Iceland | | |
| ... | | |
| ... | | |
| ... | | |
| Total SUM | 48625 | 24 |

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|---|
| 14. Economic result (deficit or surplus) |
|---|

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+ 151375

Optional: Comments to the economic reporting

Due to Covid we were only allowed to have an Online meeting and few travels were performed. Therefore, we ask for the surplus to be forwarded to the next year(s) to allow more cooperation for the young research group.

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

Signature of the main applicant



Signature

NIBIO

Institution

15/03-22

Date

Erik Larray

Printed name

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



Signature

NIBIO

Institution

15.03.2022

Date

LONE ROSS

Printed name

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Optional: Comments to the economic reporting

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Signature of the main applicant

Signature

Institution

Date

Printed name

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

Signature

Institution

Date

Printed name

Second applicant's signature, place and date



University of Helsinki

14.3.2022

Signature

Institution

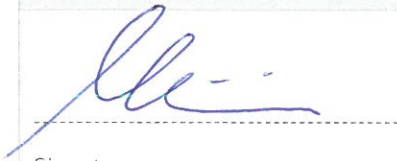
Date

Printed name

Printed name

Report for annual networks

Third applicant's signature, place and date



Signature

KTTH

Institution

2022-03-14

Date

MAGNUS WÄLINDER

Printed name