TreProX: Innovations in Training and Exchange of Standards for Wood Processing

LINNÆUS UNIVERSITY

TREPROX – SWEDEN - MAY - JUNE 2022

TreProX
Landbúnaðarháskóli Íslands Agricultural University of Iceland
skógræktin ICELANDIC FOREST SERVICE
Trétæknirádgjöf slf. Wood Technology
UNIVERSITY OF COPENHAGEN
Linnæus University
Erasmus+

Linnæus University

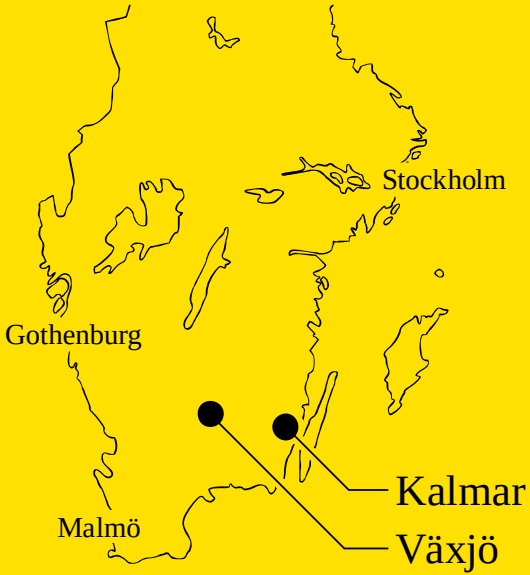
We set knowledge in motion for a sustainable societal development

One of Sweden's newest universities

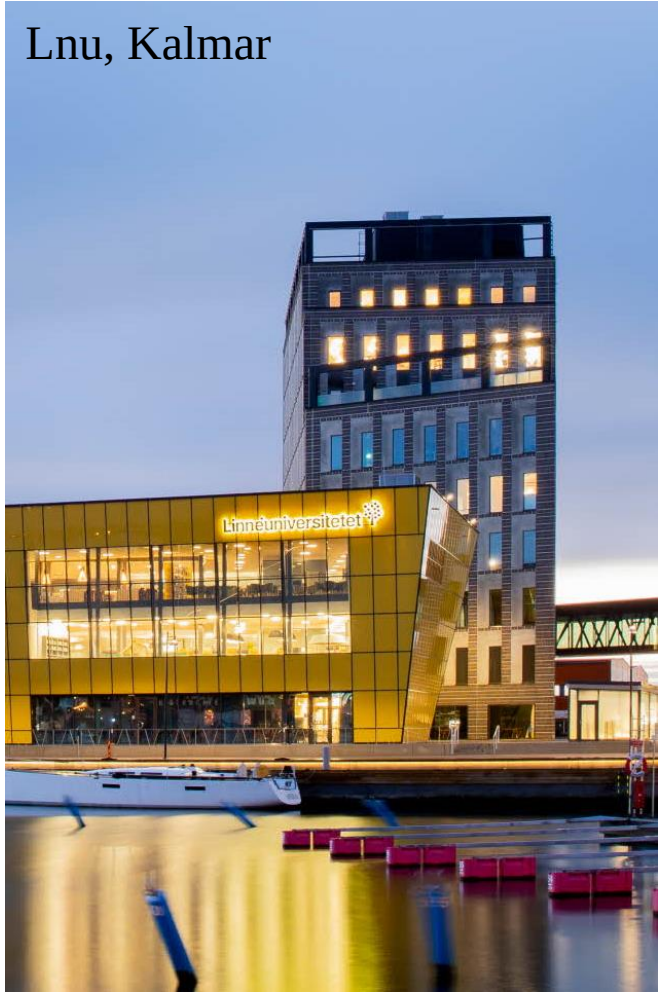
- Found in Kalmar, Växjö and at a distance.
- About 44,000 students
- Roughly 16,000 full-time equivalents
- About 2,100 employees

Lnu, Växjö

An attractive campus area in the middle of the city



Lnu, Kalmar



Organisation

Linnaeus University's vice-chancellor is Peter Aronsson, professor of history

Faculty of Arts and Humanities

Faculty of Social Sciences

Faculty of Technology

Faculty of Health and Life Sciences

School of Business and Economics

Board of Teacher Education

University Administration

Finance Office

Office of External Relations

HR Office

IT Office

Communications Office

Office of Facilities Management and Services

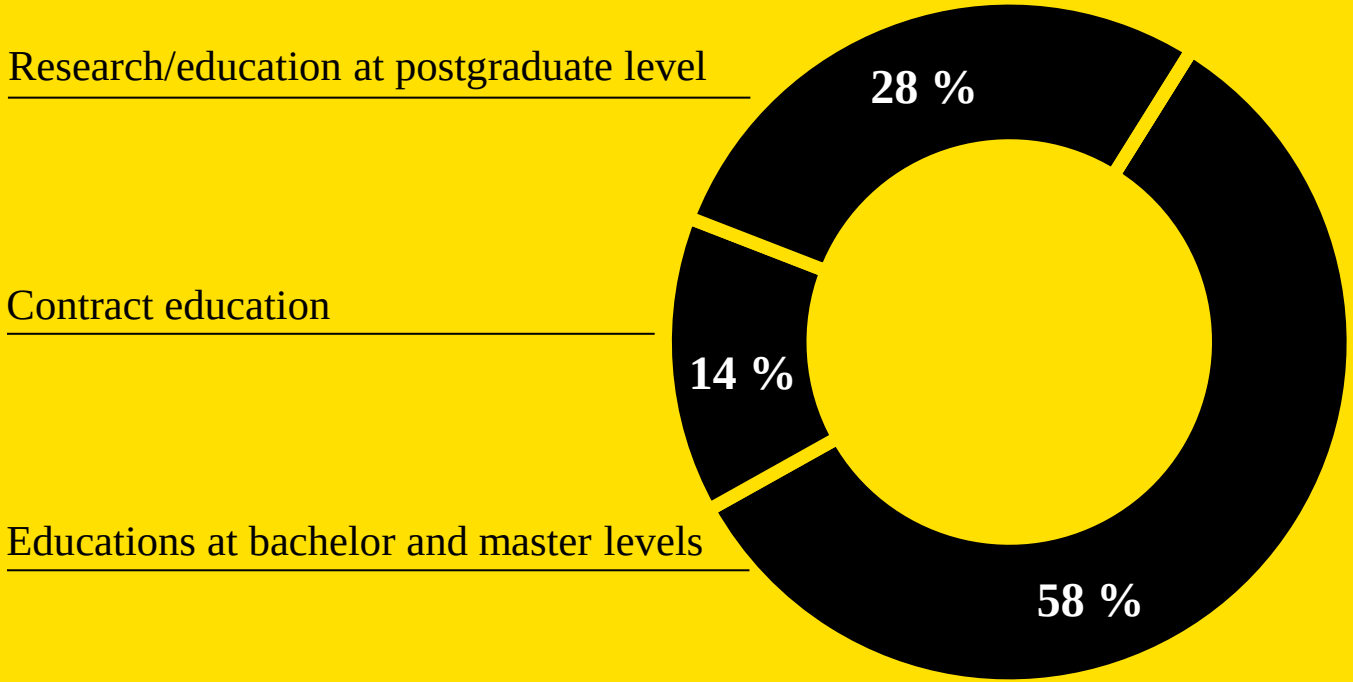
Office of Student Affairs

University Library

Executive Office

Where knowledge grows.

Education and research at Linnaeus University



Research at Lnu

- Nationally and internationally prominent research
- 180 professors
- Approx. 300 doctoral students
- Six groups with cutting-edge research - Linnaeus University Centers

Faculty of Technology

Dean: professor
Jesper Andersson

Prodean: Åsa Rydell Blom

Faculty of Technology

Departments at the Faculty of Technology

Built environment and energy technology

Building Technology

Computer Science and Media Technology

Physics and electrical engineering

Informatics

Mathematics

Mechanical engineering

Forestry and Wood Technology

Kalmar Maritime Academy

Education

- Approx. 4000 students are studying at the Faculty of Technology
- There are 23 programs at the undergraduate level and 19 programs at the advanced level

Research at the Faculty

- Approx. 40 research groups
- 36 professors
- 90 doctoral students
- Data Intensive Sciences and Applications (DISA), ett av sex spetsforskningscentrum
- Digitala transformationer, Kunskapsmiljö Linné
- Grön hållbar utveckling, Kunskapsmiljö Linné

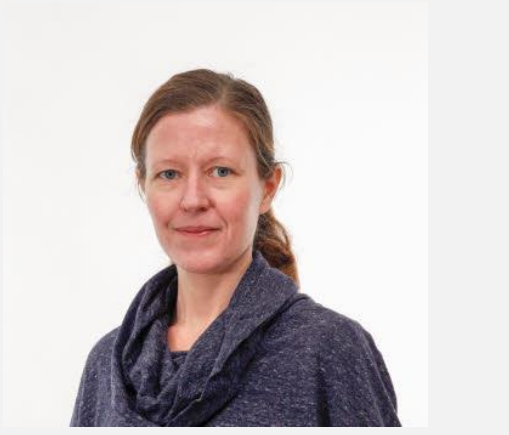
Forskningsexempel

- Big data
- Träbyggnadsteknik
- Hållbar byggd miljö
- Skog
- Astropartikelfysik
- Vågor och signaler
- Matematisk modellering
- Matematikdidaktik
- Bioresursteknik
- Maskinteknik
- Digitalt lärande
- Informationshantering
- Hållbar och säker sjöfart

… och mycket mer

Forestry and Wood Technology

Head of department: Erika Olofsson



From forest to finished product

- 6 professors
- 17 Senior lectures
- 4 lectures
- 2 post dos
- 10 PhD students

Education

Three comprehensive programs
20 free standing courses
850 students
95% distance education

Bachelor in Forestry

Master in Forestry

Distance courses for private forest owners.

Innovation master (Design, Technology, Engineering)

Forestry and wood engingeering program

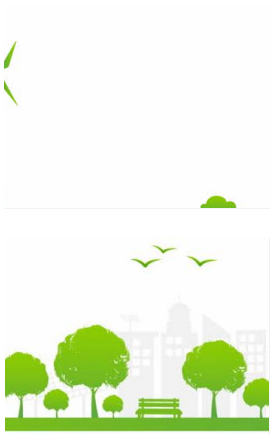
Contact
Bengt Nilsson

The Bridge

– a unique, long-term collaboration with Ikea and Södra

Linnaeus Knowledge Environment:

Green sustainable development



Example of work:

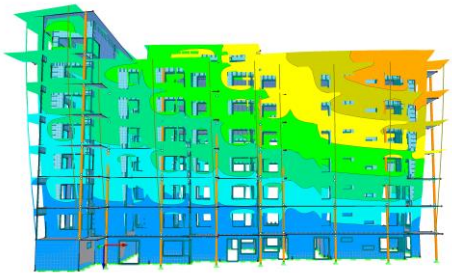
The forest resource. Within the project The Bridge, Linnaeus University, Södra and Ikea have made a long-term investment in research and education within the fields of forestry and forest industry.

Within the knowledge environment Green sustainable development, in collaboration with The Bridge, five new senior lecturers start working this spring, and in the beginning of autumn five new professors and one associate senior lecturer will be recruited.

Contact

Professor
Johan Bergh

Department of building technology



Faculty of Technology
Linnaeus University, Växjö, Sweden

Head of department: Thomas K. Bader
thomas.bader@lnu.se
www.lnu.se

Courses and programs in building technology

- Civil Engineering Programme, **Building and Construction**, 180 credits
- Building Technology Programme with **specialization in Architectural Engineering**, 180 credit

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- **Sustainable Structural Engineering**, Master Programme, 120 credits
- Post graduate courses **within sustainable timber buildings program**

- Master of Engineer in **(Wood) building technology (civilingenjör)**

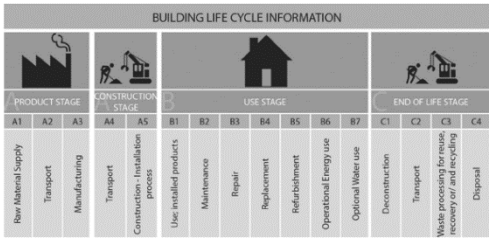


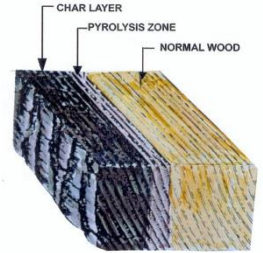


Education (Expertkompetens för hållbart träbyggande)

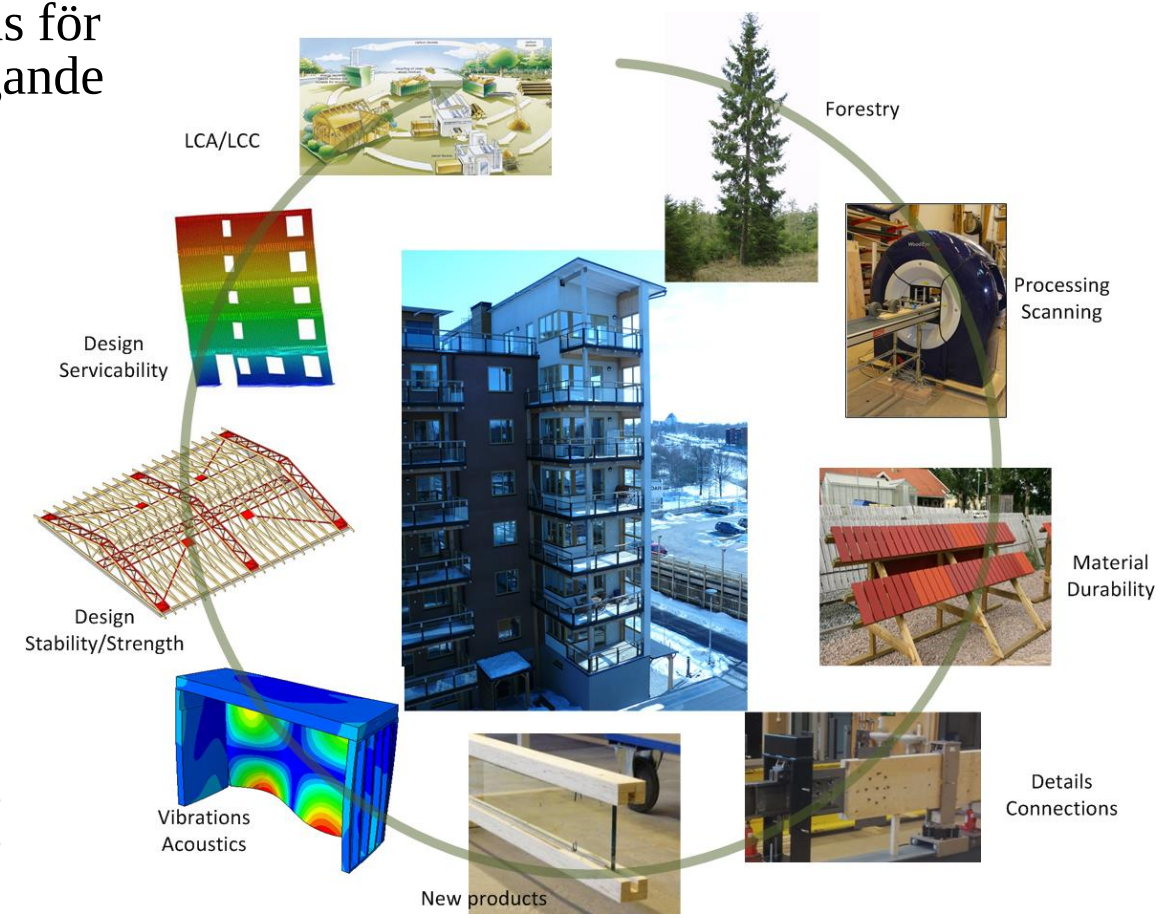
- Engineering Design of Cross Laminated Timber Structures, 5.0 credits
- Fire Engineering Design of Timber Buildings, 5.0 credits

- Climate declaration of buildings and circular construction, 7.5 credits
- Analysis of older timber structures, 7.5 credits
- Analysis of historical structures, 7.5 credits





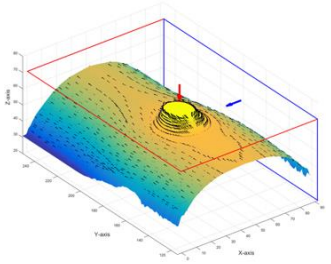
Expertkompetens för Hållbart träbyggande

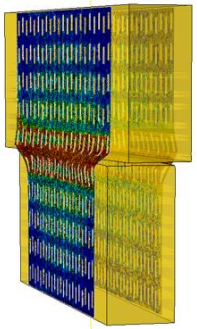


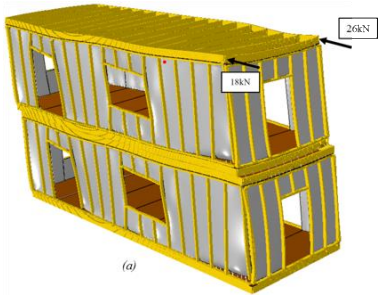
KK-stiftelsen

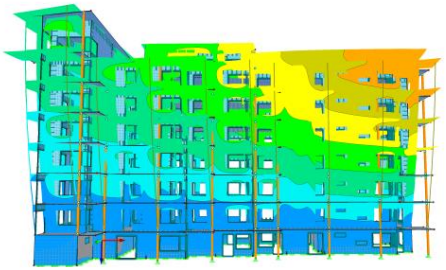
Linnéuniversitetet

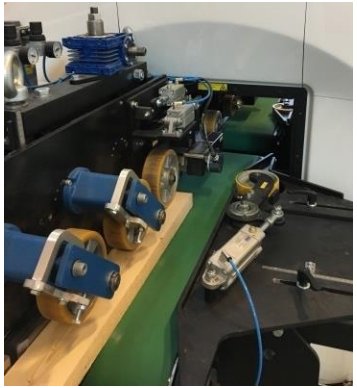
Modeling – prediction – engineering design

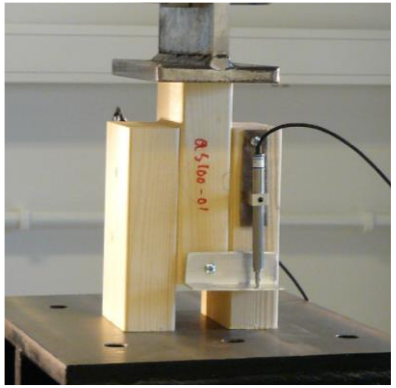


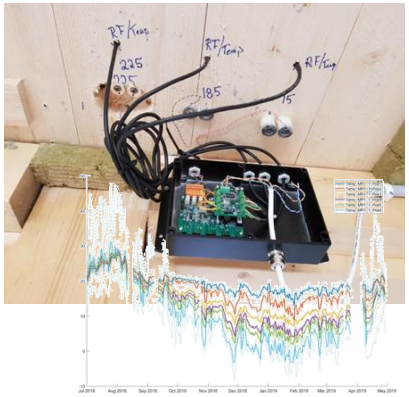






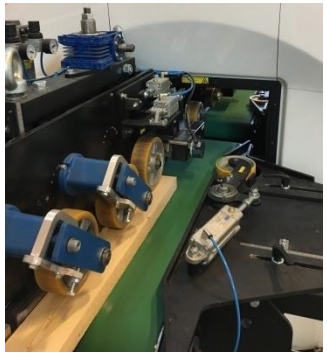


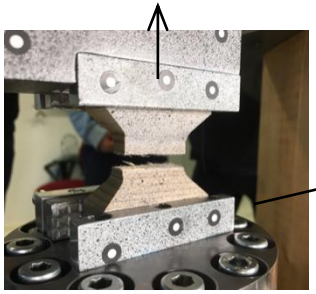


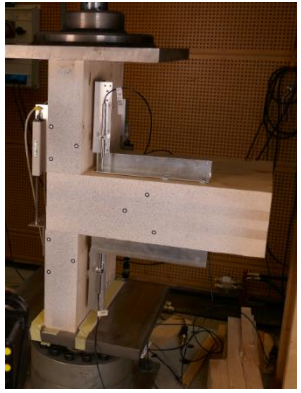


Laboratory / on-site testing / monitoring of structures

Laboratory, in-situ measurements, monitoring







New load frame, outdoor laboratory