

## ForestValue update – Greetings from Team GreenLane

2020 - an unusual year for sure, but corona hasn't stopped the number-crunchers. We were lucky and had our "spring meeting" IRL just before the onset of the European Covid wave.



Team GreenLane during the 2020 meeting at NIBIO in Norway.

**Developing the virtual supply chain laboratory for wood supply** - As described at the mid-term seminar, Team GreenLane is working on development of virtual supply chain laboratories for testing with our forest company sponsors. Data is flowing, functions are developing and visualization for user-interfaces are on the agenda.

As the world became increasingly digital, we had 3 GreenLane presentations at the autumn on-line Nordic-Baltic Forest Operations research conference. Here, Christian Kanzian presented the integrated IBM value-tracking module, Lone Ross Gobakken presented follow-up of forest to industry lead-times, and Dag Fjeld presented weather-driven models for timber-transport.

Part of:  
**GreenLane – fast tracking value and resilience in industrial wood supply**

Goal and purpose:  
Identify and quantify the combined potential of value-tracking and managerial responses for log quality, supply security and delivery costs under varying climate scenarios.

Master thesis by: **Olaf Skurdal Tofte**, Norwegian University of Life Sciences  
<https://static02.nmbu.no/mima/studier/moppgaver/2020-Tofte.pdf>  
(In Norwegian – English summary)

Logos: SKOGFORSK, BOKU, NIBIO

GreenLane: Testing in regional workshops to develop best-practice guidelines  
Empowered functionality for Value-tracking, Managerial Response  
MultiStrat: Basic system architecture for simulation and analysis of combined road-rail-sea wood supply

GreenLane 1:21 / 10:54 fast tracking value and resilience in industrial wood supply

Video-presentation by Lone Ross Gobakken at NB-Nord 2020

**ForestValue spin-off** - 2020 also saw the start-up for development of a student version of the virtual supply chain laboratory. It's called the Virtual Wood Supply Arena and is being developed together by SLU, Skogforsk, Creative Optimization and Université Laval. Testing is scheduled for 2022, at SLU in Sweden and Helsinki University in Finland, and hopefully NMBU in Norway.



*Teacher and development team for the student version Virtual Wood Supply Arena.*

**PhD thesis in wood supply chain simulation** - Last, but not least, our BOKU-colleague Christoph Kogler successfully defended his PhD thesis *Decision support by discrete event simulation for the wood supply chain*. Congratulations Dr. Kogler and Merry Christmas to all!

from Team GreenLane (NIBIO, Skogforsk, BOKU)