



## Caroline Bennemann – Post graduate Student



### Biography

Caroline Bennemann holds a B.Sc. in Forestry and Environment from the University of Freiburg, Germany and a M.Sc. in Forestry and Wood Science from the Technical University of Munich, Germany. She is currently pursuing her PhD in Forestry at Université Laval, Québec. Before joining our team, Caroline worked as a research scientist within a project aimed at assessing the performance of modified harvesting heads to allow the integration of debarking in the harvesting process.

### Caroline's work at NHRI?

Caroline is currently working on a research project that aims to include on-board harvester computer data to optimize the bucking process in hardwood dominated stands in acadian forests. Her project will begin with an overview of the state of mechanized harvesting in New Brunswick. Once this is done, the bucking process will be redesigned to include on-board computer data. The final phase of the project will be a comprehensive field validation trial. Ultimately, the goal is to increase the value of logs by optimizing the bucking process of mechanized harvesting in northern hardwood stands.



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### Key Responsibilities

- Research project on optimizing mechanized harvest bucking process in northern hardwoods stands.
- Research and development of processes to include on-board harvester computer data to optimize the bucking process in northern hardwoods stands.

### Expertise

- Mechanized hardwood bucking in Central Europe;
- Debarking on stems in harvesting process in Central Europe;
- Process associated with data capture and analysis of on-board harvester computer data.

