

Kandidatarbete
Examenskod ACEX11



(Photo courtesy: Skogs Industrierna)

Sustainable utilization of hardwood resources in Sweden

Birch (björk) is one of the most common wood species in Sweden. Today, its most common application is pulp-paper and firewood. Considering the abundant resource stock and the annual growth in the forests, there is much potential for sustainable exploitation of birch resources in products of higher value.

The project explores the value chain model of the birch timber for the construction sector in Sweden. It is expected to close the knowledge gap on sustainability impact assessment of constructions with birch wood and the practical possibility to deliver birch timbers within the Swedish supply chain. Optionally, the economic feasibility study can be additionally conducted. The project will conduct literature study, stakeholder interviews, value chain modelling and quantitative case study of the birch timber material flow for a building.

Target group of students

Civil Engineering

Group size

3-6

Special requirements

Suggestion from

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Can the project be duplicated?

Yes

If any of the following aspects to be integrated

☐ Digitalization

☒ Sustainability

☒ Climate change

☐ Gender equality, equal treatment and diversity