

“Scandinavian regional case study”

(Based on Deliverable PD 2.0.5 Updated report on the Forest-based Case Study “*Scandinavian regional case*”)

General structure of case study “Scandinavian regional case”

The case study “Scandinavian regional case” is one of three case studies undertaken within the EFORWOOD framework. This case is forest defined and aims to describe the network of forestry-wood chains in Västerbotten, Sweden (Figure 1) including exports out from the region.

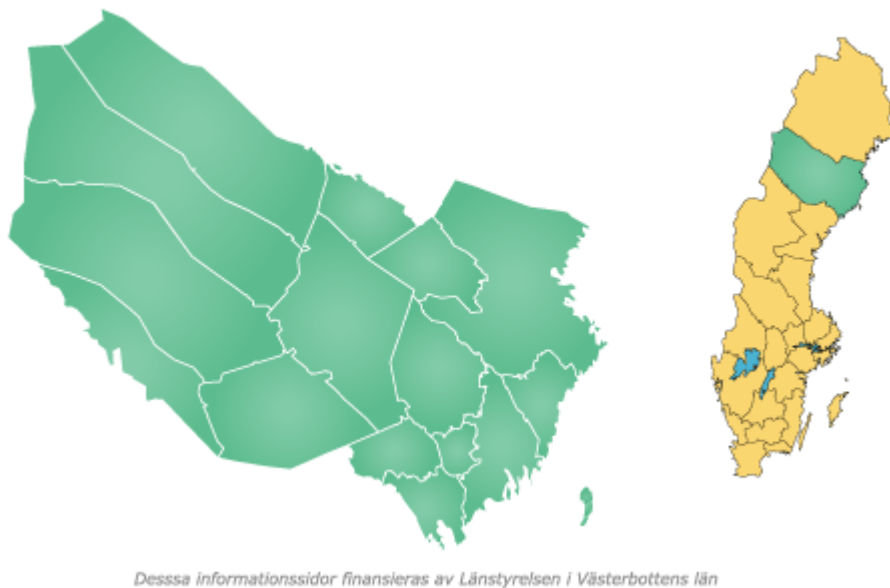


Figure 3.1 The location of Västerbotten in Sweden, Scandinavian case study area (From <http://www.regionfakta.com/StartsidaLan.aspx?id=1786>).

The case study “Scandinavian regional case” is chosen to represent the boreal European forestry-wood-chains which, in comparison to the Baden-Württemberg case, are characterised by a small variation in forest types based on large scale silvicultural management, stands dominated of pine (*Pinus sylvestris* L.) or spruce (*Picea abies* (L.) Karst.) or of mixtures of the two species with or without broadleaved species (most commonly birch, *Betula spp.*). The stands in the region are mainly even-aged and the dominating harvesting techniques include the highest technology available at present, i.e. harvesters and forwarders. The dominating transport from the forests to industry includes road transport with 60 t trucks. The main wood industry products include saw logs, pulpwood and fuel wood of pine, spruce and birch, forest wood chips, and stumps. The

main industries are sawmills, Kraft pulp mill, fine paper mill and CHP plants. The produced goods from the forest wood chain in Västerbotten consist of e.g. edge glued panels, wood furniture, pellets and bioenergy.

The total area of Västerbotten is 5 486 000 ha, with a forest cover of 58%. The population in 2005 was 257 652 inhabitants, i.e. on average 4,7 people/km². The ownership proportion of forest land in 2005 was 35,3% for public forests, 21,8% for private companies, and 42,9 for private forest owners (Figure 3.2).

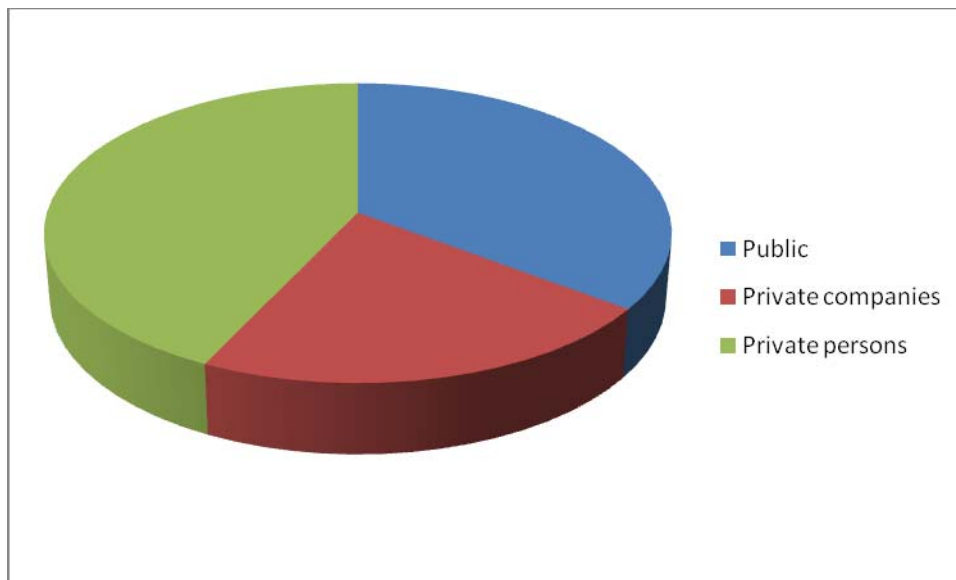


Figure 3.2 *The proportion of forest owners in Västerbotten, Sweden. (Data from NFI. <http://www-riksskogstaxeringen.slu.se/>).*