Forest carbon scenario analysis

### CARBON STORED IN FOREST

During the following 30 years **1 353 264 additional tCO\textsubscript{2}** is stored in forests relative to BAU at a total cost of **6 752 211 € (-6.6%)**, measured as a decrease in net present value between the management scenarios.

### FOREST MANAGEMENT SCENARIOS

The **BAU** scenario was defined by the client based on their current management practices, while the **alternative scenario** was defined to extend rotation lengths, apply continuous cover forestry and increase forest growth by fertilisation.

### METHODOLOGY

**Biomass carbon** storage is estimated by applying Motti forest growth model developed by the Natural Resources Institute Finland.

**Soil carbon storage** on mineral soils is modelled with Yasso15 model by the Finnish Meteorological Institute.

**Carbon emissions** and storage in harvested wood products are modelled based on the latest available statistics and relevant research.