

Virtual Forest 2.0

Theme: Digitalisation of forestry management, inventory and monitoring – Silvicultural visualisation and simulation tools

1. About Virtual Forest 2.0

Virtual Forest 2.0 enables efficient 3D visualisation of forest stands based on accurate data and forest management options. The project uses an open QGIS system to generate changes in tree or forest patterns, habitat data and terrain data in a virtual 3D-visualisation. Consequently, the user can see the impact of forest management interventions in the virtual forest before applying it in real life. The tool allows moving around either by foot or in the air.

The Virtual Forest 2.0 offers a completely new technological tool for the use of participatory planning of natural resources, and the project will have long-term effects to ensure the supply of raw materials in the forestry industry of Lapland and beyond. The added value and potential of the project can also be explored for other important sectors, such as for recreation.

[Learn more](#)

2. Potential collaborations

- Forest owners' associations, forest managers and forest agencies that see the use of a visual tool to communicate with private forest owners or other stakeholders about potential visual impact of forest management interventions before applying them in real life.

3. Presentation

PDF: [Presentation Virtual Forest 2.0](#)

4. Contact

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<https://www.frostbit.fi/en/portfolio/virtual-forest-2-0/>

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