



Virtual Forest

New Digital Tool for Forest and Landscape Planning

Anne-Mari Väisänen, April 26th, 2018

Virtual Forest

New Digital Tool for Forest and Landscape Planning

- Problem:
 - Growing demand of wood
 - Sustainable wood mobilization
 - Passive forest owners
- Innovative solution:
 - 3D-visualization of forest environment
 - Based on real forest data
 - Combines game technology, GIS and forest simulation



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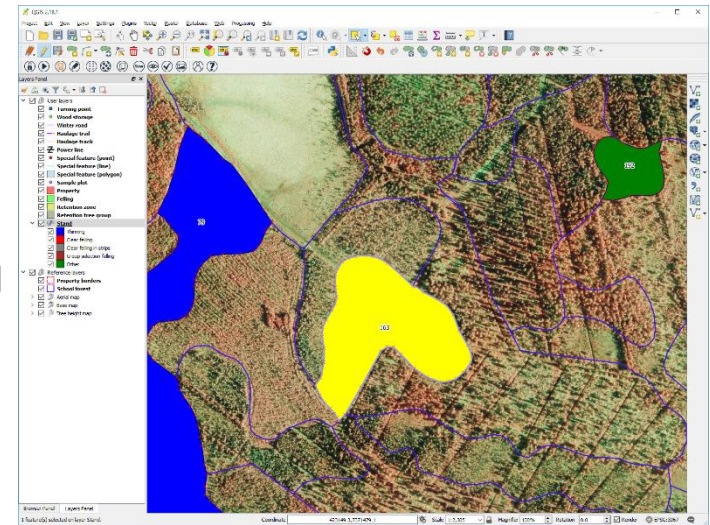
- Implementation of forestry actions
- Observation of results
- Planning tool for:
 - Foresters
 - Land use designers
 - Forest owners
 - Students

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Enables:

- Landscape planning
- Logging planning
- Silvicultural planning
- Forest ecology observation
- Education



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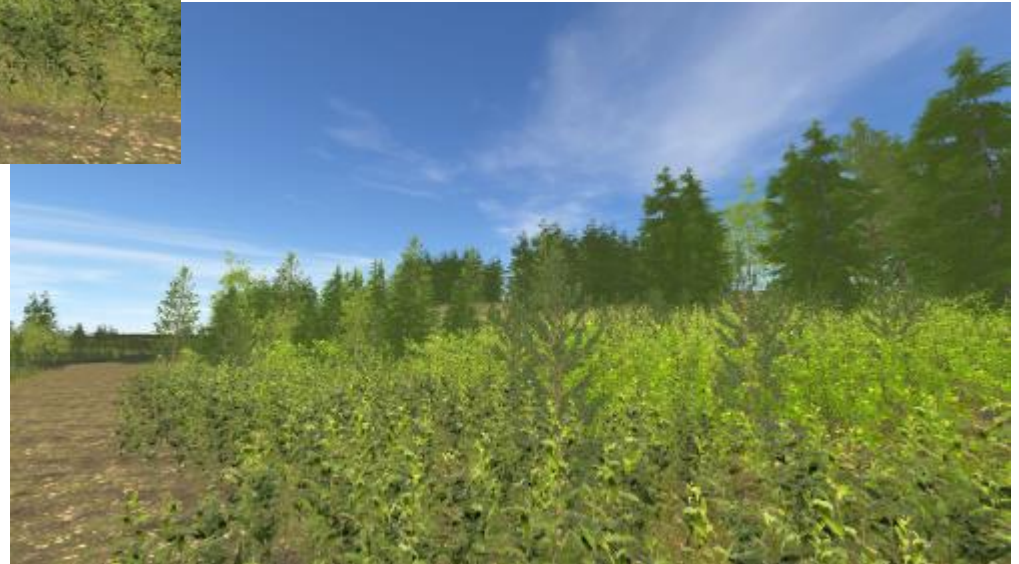
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- Aerial and ground view of forest and landscape
- Possibility
 - To examine the area at present and in the future
 - To examine the landscape after forestry operations
 - To compare the effects of silvicultural operations



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Leverage from
the EU
2014–2020



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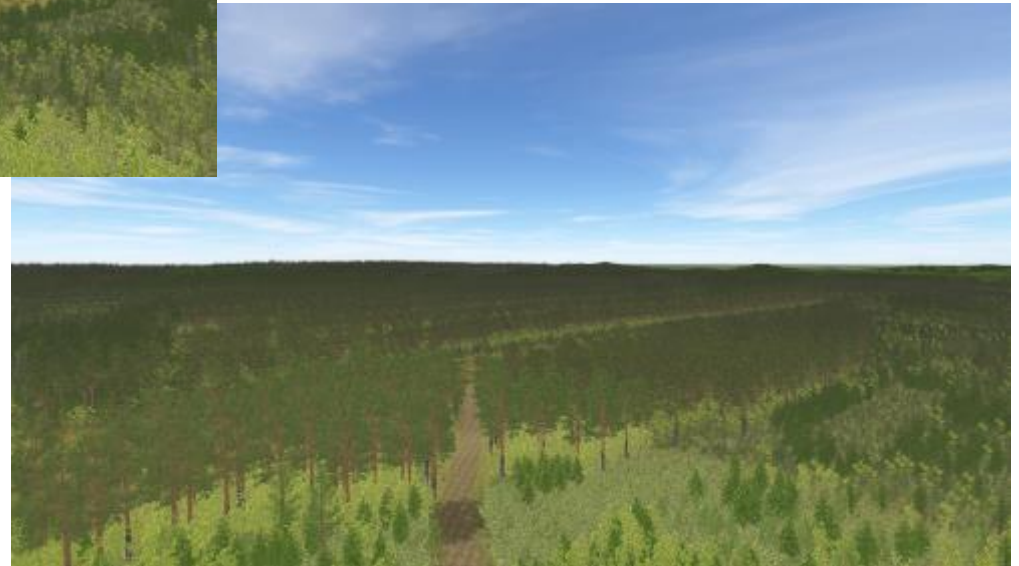


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Private and state forest planning

Landscape planning

Combining interests
of different livelihoods

Land use planning

Supporting decision
making process

THE VIRTUAL
FOREST
Opportunities
for
implementation

Education of forestry
students and experts

Avoiding and solving conflicts
of land use in rural areas

Boosting wood mobilization

Guidance and activation
of forest owners

Leverage from
the EU
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Video: <https://drive.google.com/file/d/1PZ1gxx-1vhG7ie2yo7gnCvKsQasTu2yh/view?usp=sharing>

Leverage from
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THE NORTHERN FACTOR

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