

Rail Baltic as the Land Consolidation Project

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Rail Baltic as the Land Consolidation Project

- National Land Board
- Land acquisition
- Rail Baltic in brief
- Land consolidation
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National Land Board

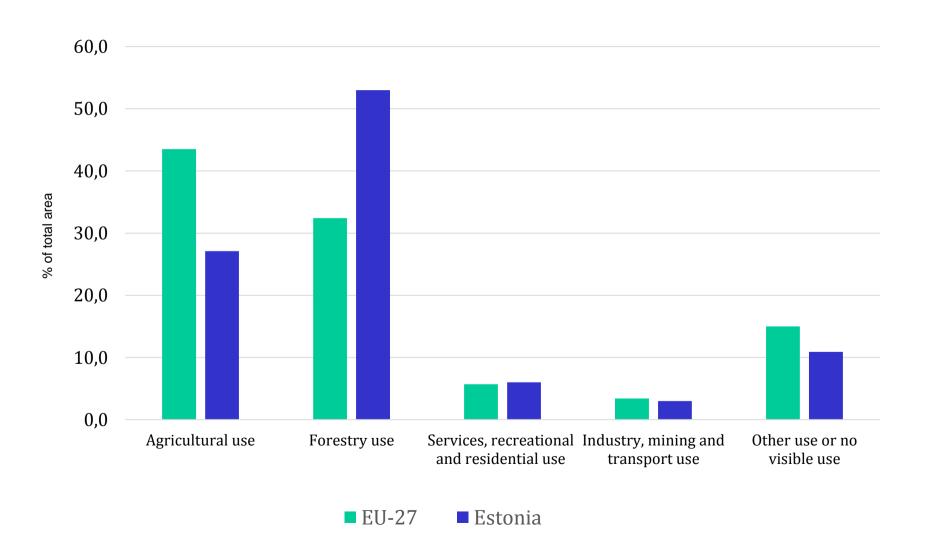
- Land cadastre
- Mapping and GIS
- Geodesy, geological survey and topographic data
- Land valuation
- Land administration, management







Primary Land Use by Land Use Type







Acquisition of Land

- Infrastructure construction
- Military and defence
- Nature conservation areas
- Establishing a state border

Rail Baltic in Brief

- Railway from Tallinn to Central Europe (creating potential for extension through tunnel to Helsinki)
- Cooperation with Latvia, Lithuania,
 Poland and Finland
- 700 km (213 in Estonia), European rail standard (gauges 1435 mm)
- Electrified, speed up to 240 km/h
- For cargo and passenger trains
- In operation by 2025/2026



Challenges



- Rail Baltic is the first-of-its-kind new infrastructure project
- More than 800 parcels, 1359 ha
- Lot of opponents



- Valuation for compensation
- Limited consolidation experiences



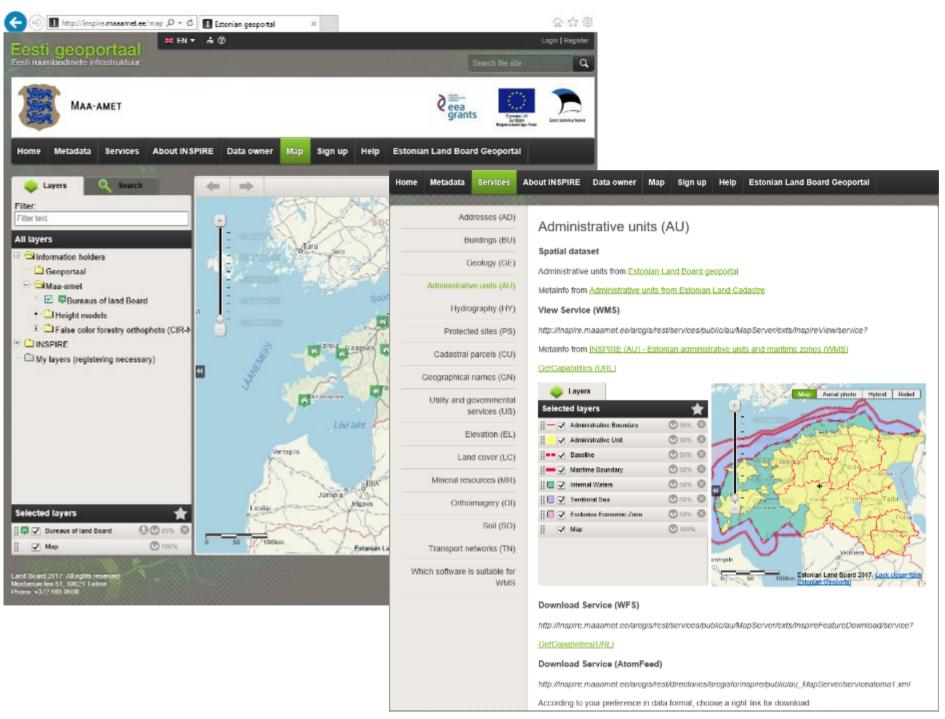


Need for Land Consolidation

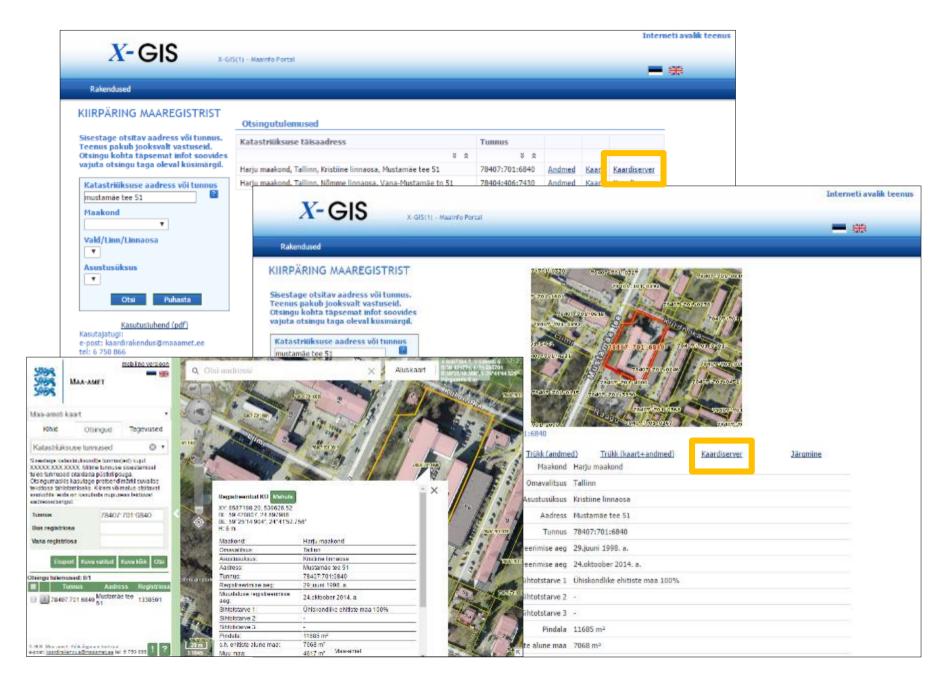
- Land consolidation provides economically and legally feasible solutions
- Land consolidation keeps the acquisition costs down
- It has a positive public impact
- NLB is looking for the use of consolidation for the other projects
- NLB, when analysing the acquisition case, will first look into the consolidation options.

Land Board's Role in Rail Baltic





Land Cadastre



Map Products



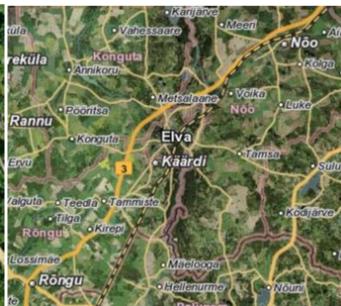
ETD –
Estonian Topographic
Database
natural and/or physical
features of a landscape

In land consolidation the valuation map is compiled based on ETD data

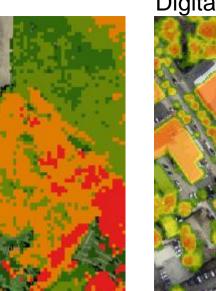
Hybrid map buildings and constructions

Administrative, settlement boundaries, roads, waterbodies

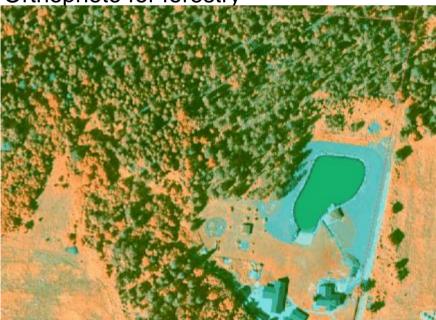


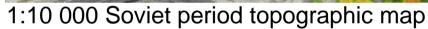


Canopy height model (CHM) Orthophoto for forestry



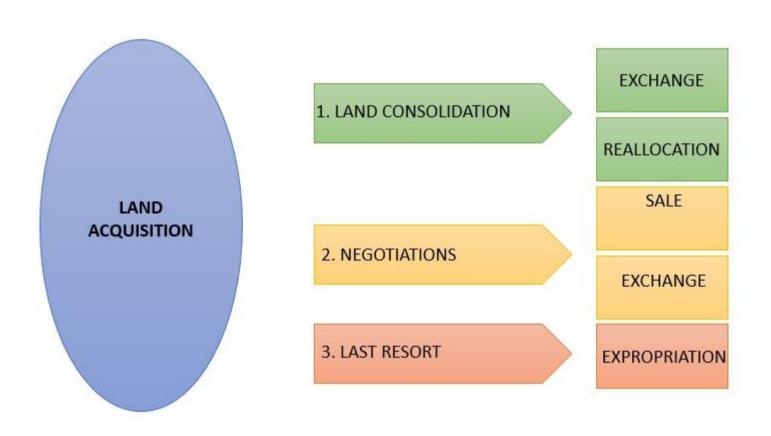




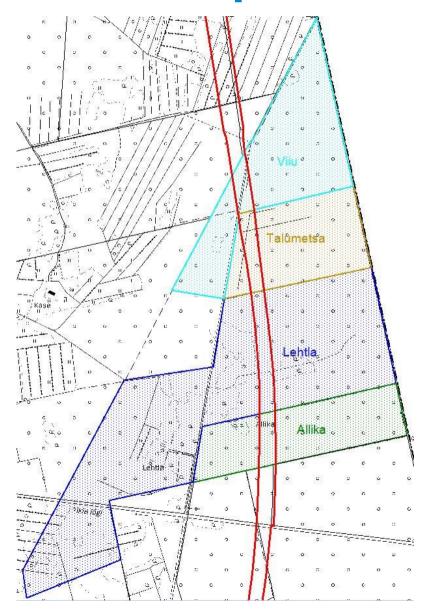


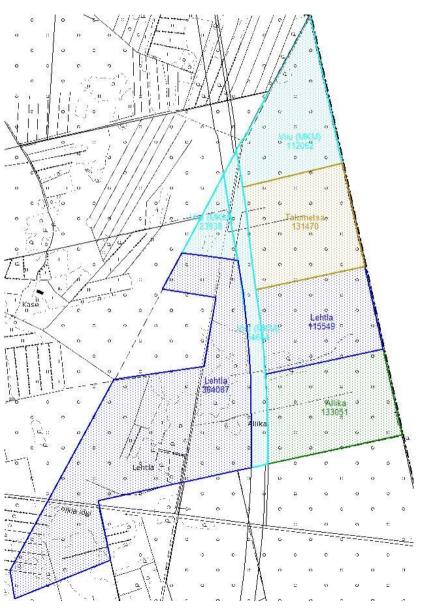


Acquisition Alternatives and Compensation



Example of Land Consolidation

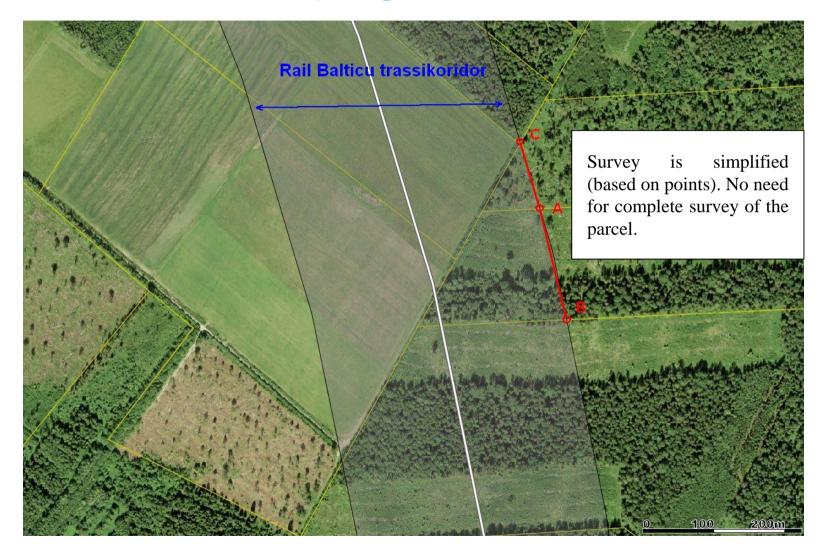




Changes in Cadastre

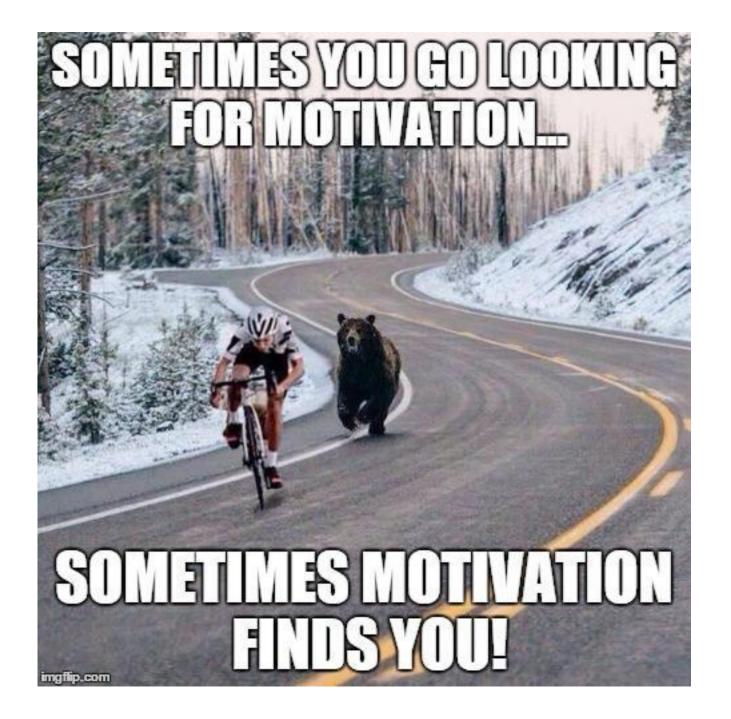
- Introducing simplified surveying procedure for subdivisions (based on points)
- Land cover of the cadastral parcel is classified in line with topographic database
- Cadastral registrar can join or subdivide parcels without cadastral surveying
- E-Cadastre data is official and extracts can be made thereof
- The whole procedure is fully digital

Surveying of Cadastral Parcel



Summary

- Need for land consolidation for the construction of infrastructure objects
- Implementation of new infrastructure projects always requires land
- We need different compensation systems for negotiations, but equal rules for all land owners
- Land consolidation provides economically and legally feasible solutions
- Simple and quick cadastral procedure





Thank You!

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