



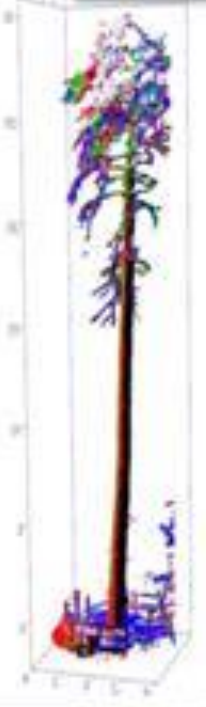
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## Showcase “Green data for a sustainable economy: turning insights into action”

Taimar Ala  
Director



# ENVIRONMENTAL INFORMATION STRAIGHT FROM NATURE





## DATA ACQUISITION

monitoring in nature  
automatic monitoring network  
company reports



## ADDING VALUE

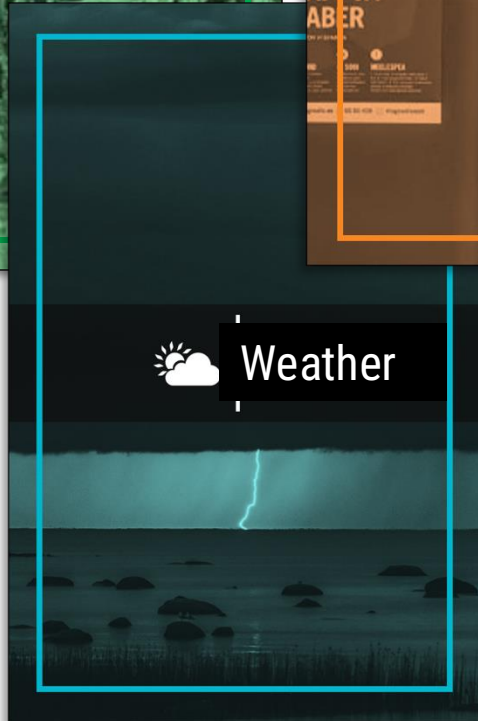
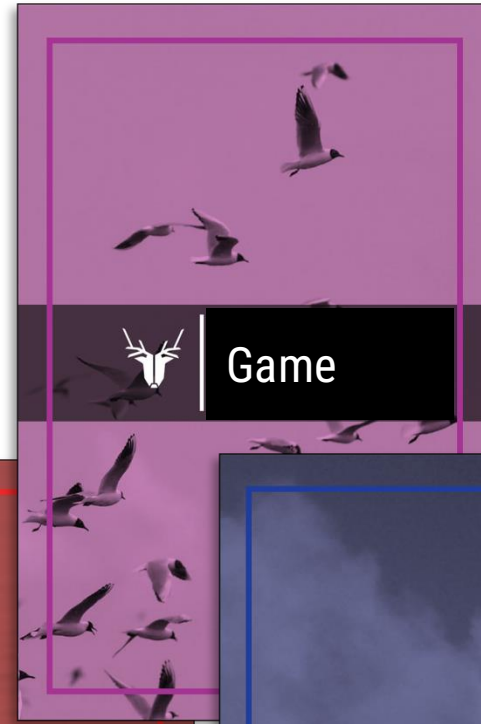
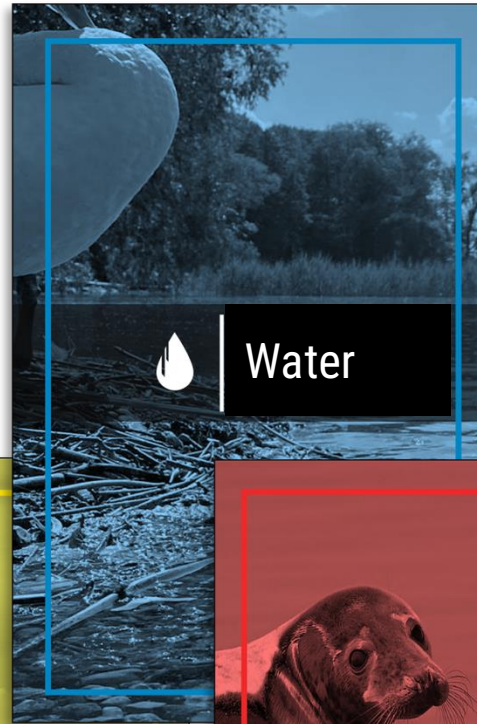
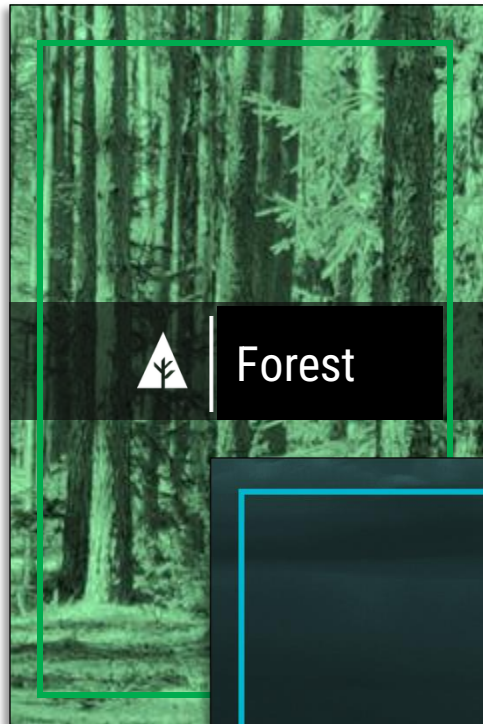
consolidated reports  
forecasts and warnings  
analyses

## SHARING

decision-makers, the public  
national and international  
data exchange  
open data



# Areas of activity







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## Forest and Landscape Fires

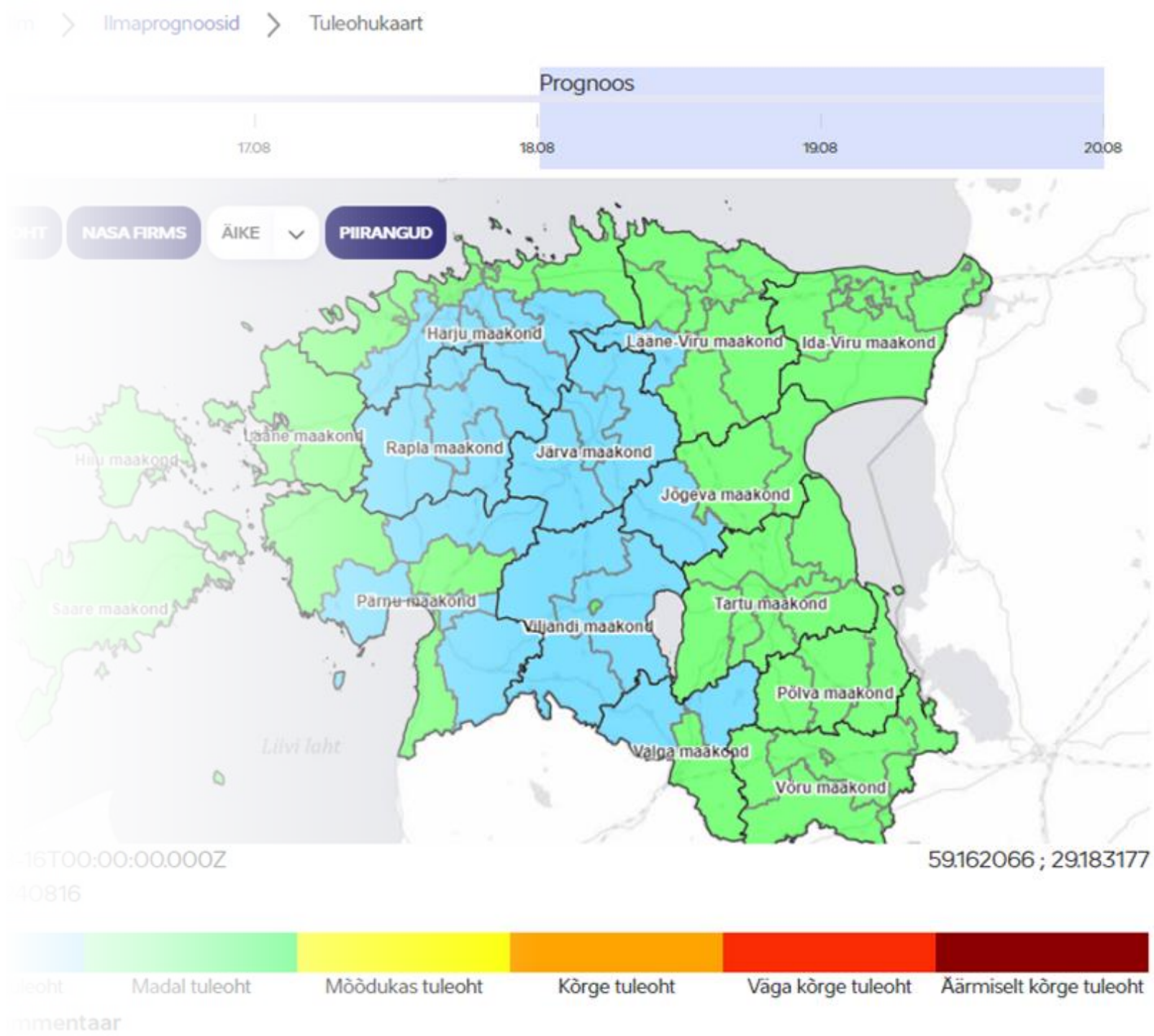






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## Fire Hazard Risk Map





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## Waste Data and Increasing Recycling Rate



## Jäätmete majandamise mudel

Olete jõudnud jäätmete majandamise mudeli veebirakendusse. Tegemist on Keskkonnaagentuuri arendatud tööriistaga, mis on mõeldud kohalikele omavalitsustele korraldatud jäätmeveo lahenduse loomiseks.

Vali omavalitsus nimekirjast

või

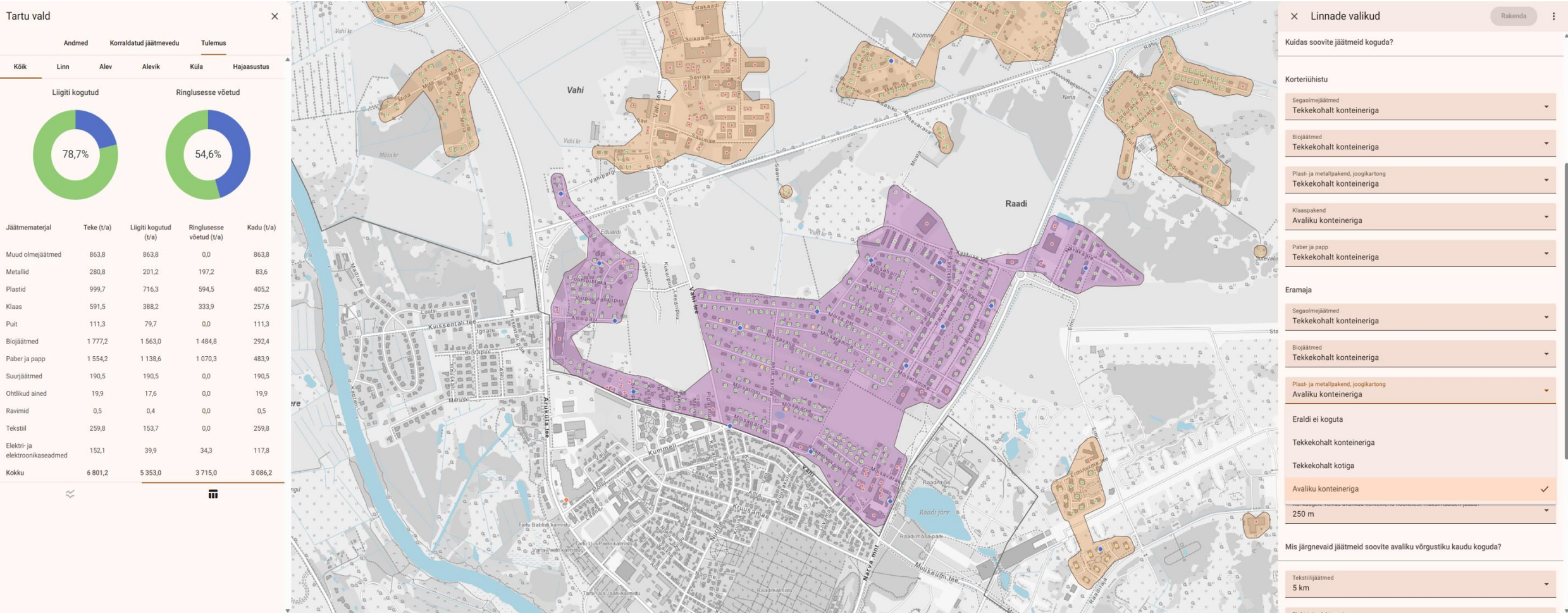
Vali omavalitsus kaardilt







# Waste Management Model







From Space to Decisions





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## Remote sensing service for forestry: pilot project

- **Pilot project in 2024**
- **Model** based on neural networks (1D-CNN architecture)
- **Monthly updates** using Sentinel-1 and Sentinel-2 data
- **Detection threshold:** Clear-cuts starting from 0,5 hectares
- **Accuracy:** F-score over 90%

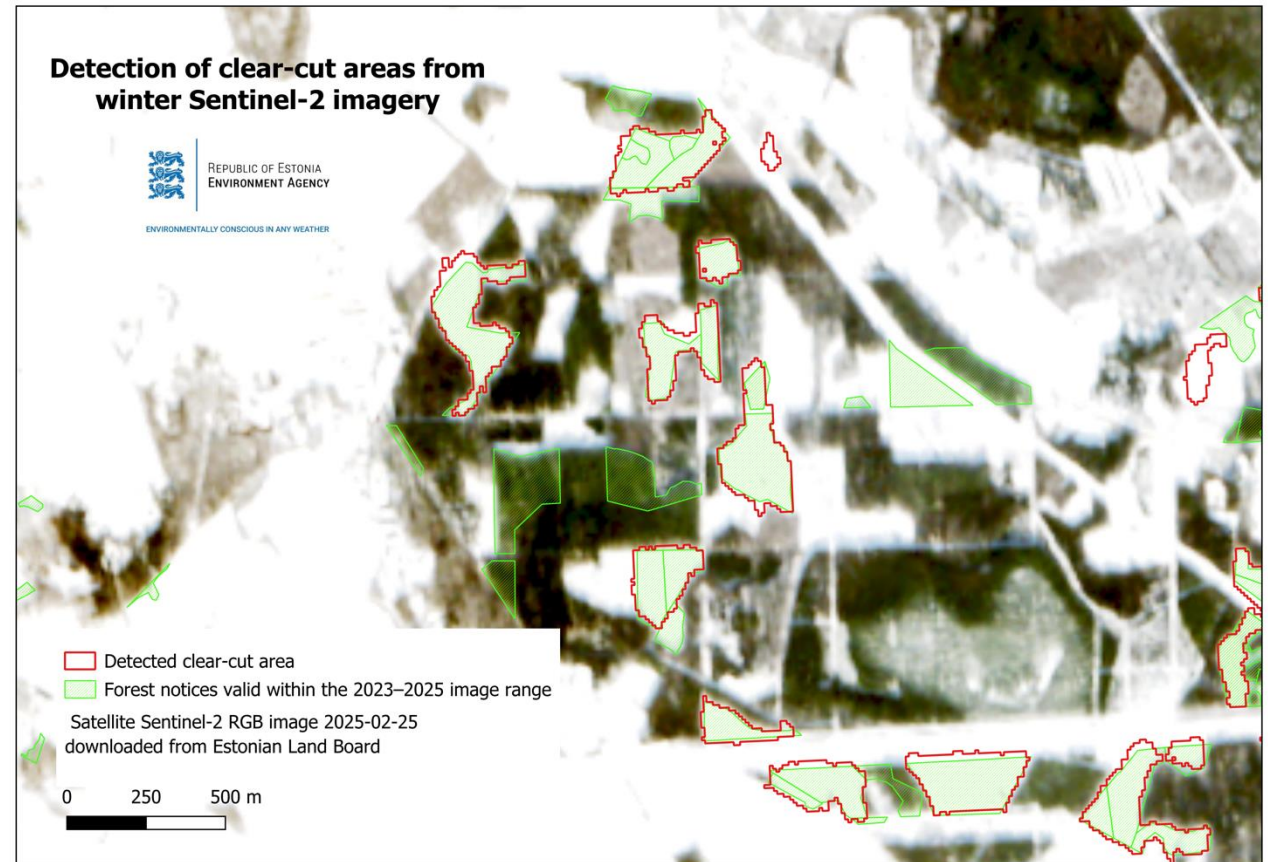




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# Remote sensing service for forestry

- **2026:** remote sensing service for forestry
- Monthly monitoring and information
- Enhanced supervision
- Simplified forestry-related reporting
- Increased transparency
- Data-driven governance







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