

FORESTRY

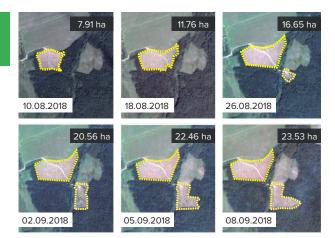
Terra Tech implements a comprehensive monitoring of forest resources and provides systematic assessment of forest change dynamics:

- mapping forest resources
- detection, monitoring and oversight of illegal clearings
- identification of forest species and forest constitution by age, estimation of timber stands
- detection of forest fires, forecast of emergency development
- tracking harmful processes (plantation destruction, windfalls, snowbreaks, pests, diseases)
- accounting results of natural and artificial forest regeneration.

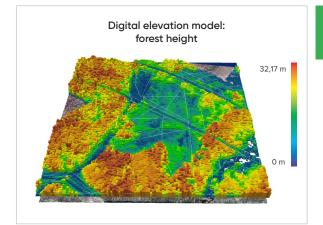
Deforestation

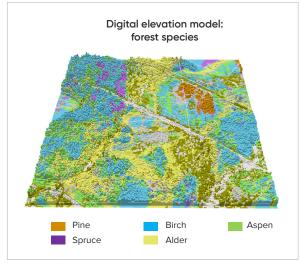
Monitoring can be implemented with high frequency (every 36 hours) with an automated detection of deforestation, its type and legitimacy:

- determination of logging area boundaries
- comparison of actually logged areas with officially determined boundaries
- estimation of logged area size, assessment of performed work quality.



Dynamics of illegal deforestation

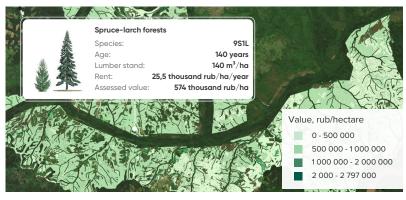




Investment evaluation

For the purpose of investment management in forest and timber industries a comprehensive assessment of forest resource conditions is implemented in a four-day period:

- determination of forest species, height and age, estimation of timber stands
- assessment of logging availability and infrastructure
- selection of woodland in accordance with preset criteria
- estimation of business prospects in a forest area.



Forest pathology

Distant examination for forest pathology is conducted during a four-day period to identify dead standing and damaged trees. The results of such forest pathology research are verified on the basis of terrain data.

windfalls

pests

drying

Automated detection of windfall areas

