ForestHQ
Experiences with open-source components
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What we do?

• Development of solutions for forestry sector
• Multidisciplinary team
  • IT team
  • Forestry Team
  • GIS experts
• Target Customers:
  • Big Forestry Companies
  • Small Forestry companies
Why?

Need to manage the forest efficiently
• How much timber do I have?
• How much timber do I need?
• Am I cutting enough/to much timber?

Need to manage the forest MORE efficiently
• Where is my timber?
• How much timber am I cutting?
• What type of timber am I cutting?
Our System: ForestHQ

- Online platform
- All information spatially referenced
- Collection of spatial data from mobile devices
- Editing mapping tools
- Remote sensing analysis
Open-Source Architecture

• Standard web service architecture
• Combination with other sources: Rails, Ember, etc

Why open source?
• Flexibility: create specific tools
  Simple customised tools have a big impact in the users.
• Geospatial standards
• Integration with client’s systems
Forest Measurement. What do we try to solve?

1. Standing Forest Measurement
- Traditionally very manual intensive
- Starting to use remote sensing
- Based on averages

Our solution:
- Mapping and planning
- Field inventory app. to collect data
- Remote sensing analysis
- Spatial distribution of the results
Forest Measurement. What do we try to solve?
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Harvesting Monitoring. What do we try to solve?

2. Harvesting Monitoring
- Reduce use of the machine data
- Manual road-side log count
- Uncertainty of type logs cut

Our solution includes:
- On-board navigation system
- Position of the machine
- Real-time satellite connection
- Number of logs and log types
Harvesting Monitoring. What do we try to solve?
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Thank You