

Wood Industry Summit – Access to Resources and Technology

Resource Roads
Thomas Wehner / KWF
24.05.2017



Deutsche Messe

Making more out of wood

LIGNA

KWF - Backgrounds

The Board of Trustees for Forestry Work and Technology (KWF) is a registered non-profit association and is supported by over 2000 members.

- Center of competence for forest work, forest techniques, wood bioenergy and forest logistics in Germany and Europe
- Information and support to all players in forestry, wood industry and bioenergy sector
- Main view to important task like prevention in future, accident avoidance and environmental precautions
- Testing and certification of forest machines, tools und personal protective equipment.
- KWF as an intersectoral mediator between forest research, practice and industry.
- Transfer of knowledge e.g. with the KWF-Exhibition – one of the greatest forest fairs in the World

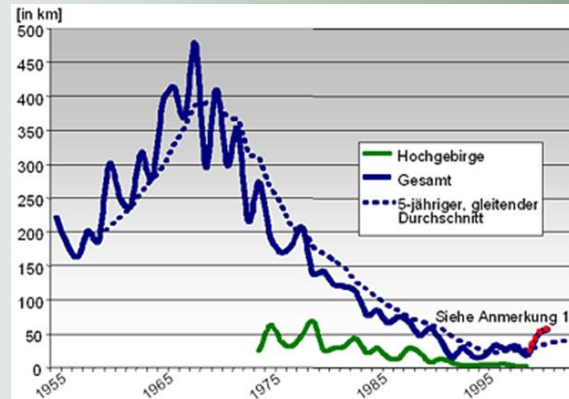
Resource Roads – Why?

Investment and maintenance of forest roads, guaranteed ...

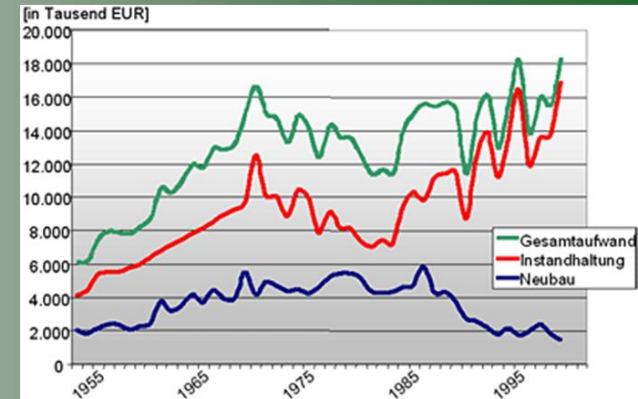
- Fast and continuous timber transports
- Just-in-time-deliveries will be possible
- Good documented roads are basics for a modern logistic

Quelle: BaySF

→ Important part of the Chain of Custody

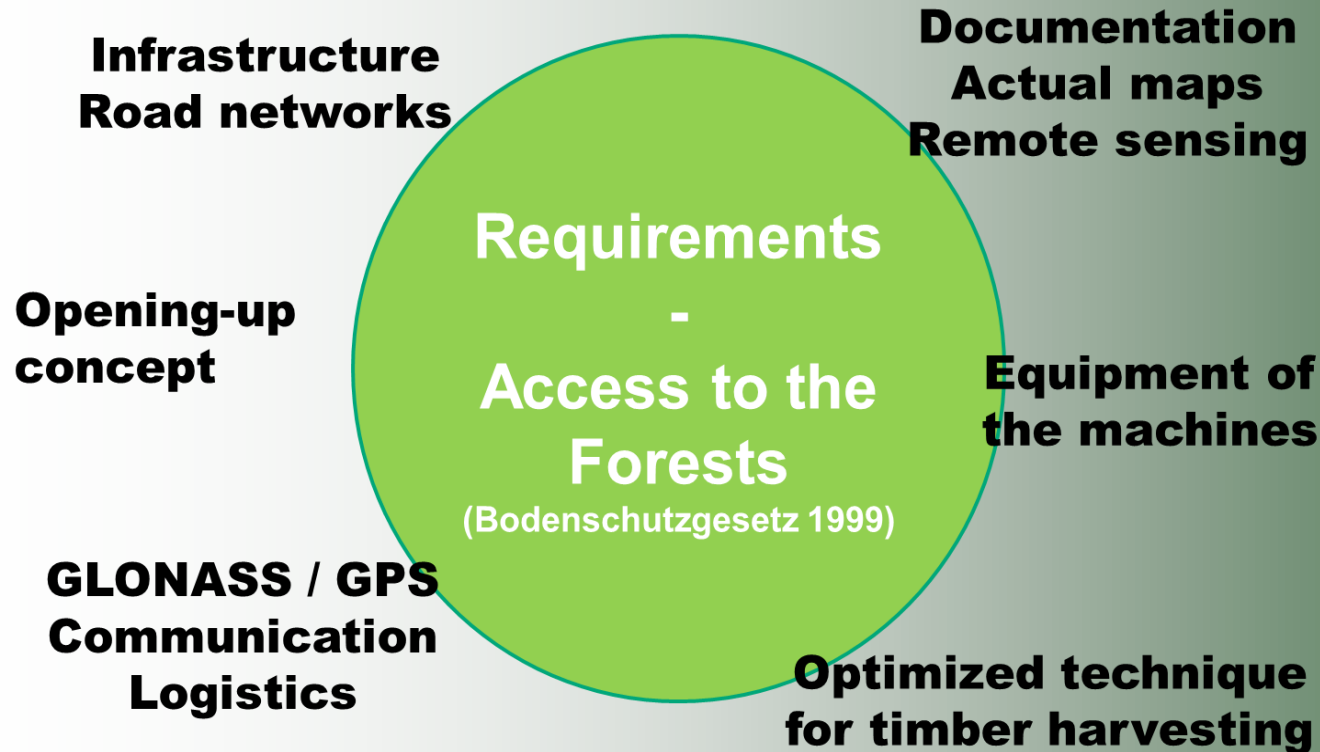


Built forest roads in Bavaria
since 1955



Costs for road-maintenance is
growing-up

Resource Roads – Requirements



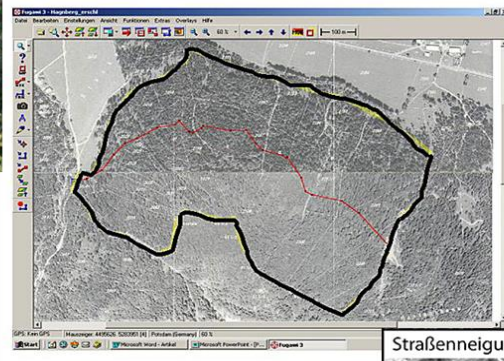
Resource Roads – Tools



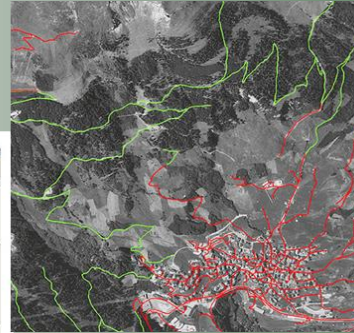
**Remote sensing
by drones**



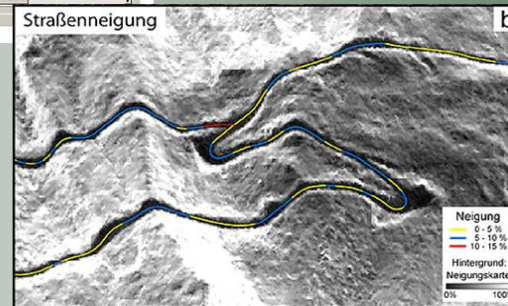
Collecting data



Actual maps



Status-quo

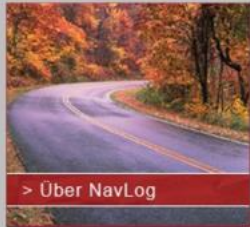


Road-classification by GIS

Resource Roads – Tools

NAVLOG

Ohne Umwege durch den Wald 



> Über NavLog



> Partner



> Produkte



> Informationen

NavLog

Classified forest-roads
in Germany

NavLog GmbH
Spremlerger Straße 1
64823 Groß-Umstadt
Tel: 06078-78566
labitzke@navlog.de

NavLog GmbH

About NAVLOG:

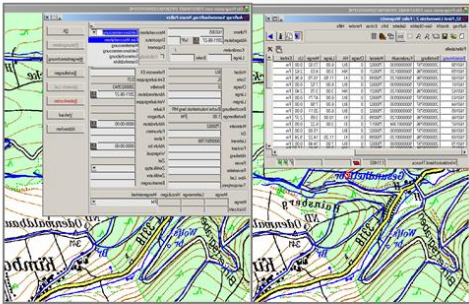
- nationwide classified forest road data base for lorry navigation
- Based on a standardized forest road data model (GeoDat)
- Central Data management (Navlog)
- Central Data processing (IT service provider)

➔ **Optimization of the wood supply chain**

Resource Roads – Tools

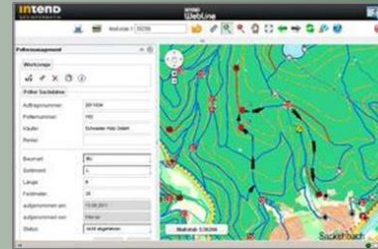
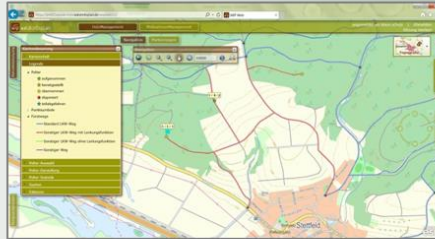
Use of an ERP or a timber stock management software
+ in addition viewing of NavLog data

forstware
Informationssysteme GmbH



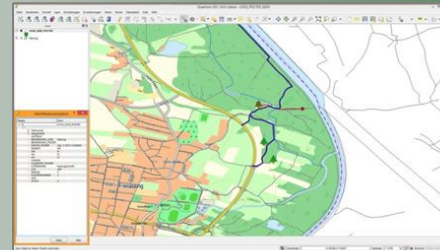
intend
GEOINFORMATIK

genowald



winforstpro
Software für Forstwirtschaft

LATSCHBACHER



Resource Roads – Skid-Trails?!

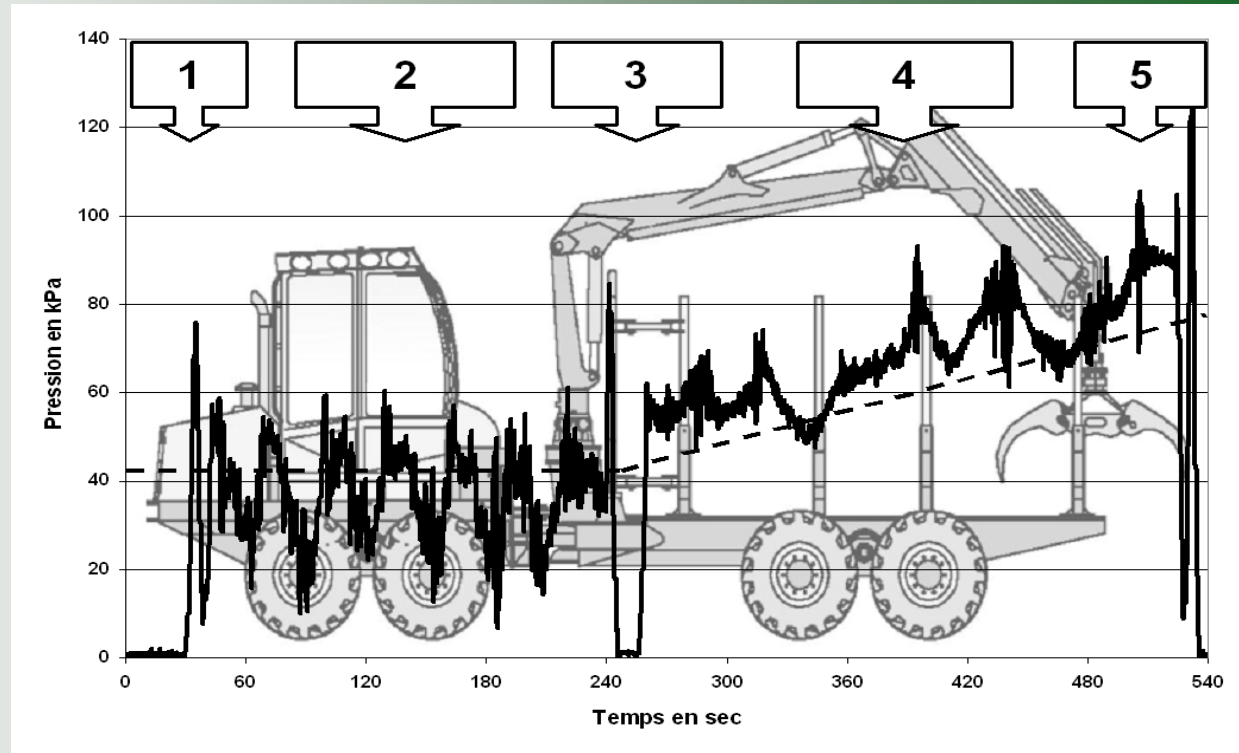


Resource Roads – Skid-Trails?!

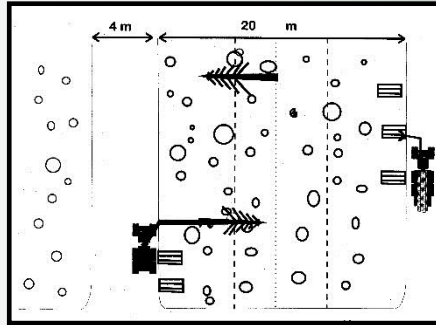
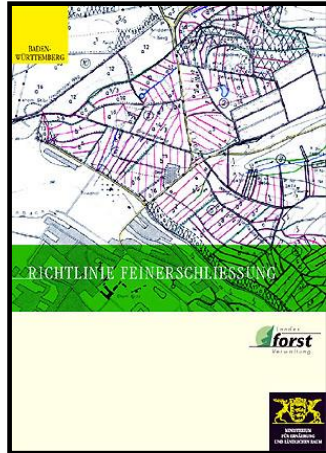
The dynamic soil pressure

is extremely high by modern machines

Especially Forwarders stress skid-trails by a higher number of drives



Resource Roads – Skid-Trails?!



- Skid-trails are active soil prevention
 - Objective must be ... a permanent and good documented skid-trail system
- ➔ Use best techniques & equipment for preservation skid-trails

Resource Roads – Skid-Trails?!



Objective must be a sustainability, especially between the ecological resources, the economic effectiveness and the human resources to satisfy the wide range of requirements.

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Thank you for your attention!



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