Impacts of HCT Trucks on Logistics Costs

NB Nord Conference Lappeenranta

Pirjo Venäläinen
Metsäteho Oy
14.6.2017
1. HCT trucks being studied

* Technical total mass higher

F = Forest truck, T = Terminal truck, C = Chip truck
HCT Transport chains: Round wood

Pictures: Metsähallitus, Metsä Group, Metsäteho, Orpe
HCT Transport chains: Chips

By-product chips

Energy wood chipped at road side

Energy wood chipped at a terminal

Huhtala

Wickström

Impacts of HCT trucks on logistics costs

Pictures: Metsäteho
Costs in transport chains (direct vs. via terminals)

Reloading rates at terminal 0 % = none, 50 % = half, 100 % = all

Figures: Poikela 2017
Costs in transport chains between terminals (no reloading costs included)

Figures: Poikela 2017
Fuel consumption
Further research needed

- Chip transportation studies getting started
- Continuation of collecting fuel consumption data
  - Short transport distances
- Impacts of truck length on wood transport
Thank you!

• Further information (in Finnish) [www.metsateho.fi/hct](www.metsateho.fi/hct)