Joint wood terminals



A joint wood terminal means a built-up area suitable for the storage and handling of timber species. The operations performed at the wood terminal are determined by the operator according to their needs.

One of the challenges in wood mobilization is small-scale wood units within long distances from the nearest roads. These units are not profitable for harvesting, since forest and long-distance transportation are of high costs. The answer to the challenge might lie in bigger wood terminals where wood from multiple small-scale units would be gathered from the same area for intermediate storage. In general, storing the wood is sensible at a distance of about 100 to 150 km from the site of use. The best location for intermediate storage is at the beginning of forest roads.

In Lapland, for instance, a few big terminals have been built close to the railway to advance the efficiency of wood transportation by train. In the provinces, larger terminals are usually located mainly according to the needs of industry and large forestry companies. Benefits of common terminals occur especially in wintertime, when maintenance of storage area could be done commonly or by the certain terminal operator. The joint terminals are well suited for energy wood and wood for which the need for storage is at a different time. This allows continuous use of area.

Operating culture, various practices, and lack of cooperation of the actors are experienced to restrict the wider deployment of common terminals. However, an increase in wood flows will require building more terminals. There is a need for more joint terminals, but it requires cooperation between forest service providers. It would be highly useful to gather the intermediate storage places in one map-based spatial database, which would be open-accessed for all the service providers. This would advance bringing together different actors in the wood procurement chain. In summary, the main benefits comprise:

- Joint wood terminals of forest companies for short-term storage of wood
- Profitable harvesting from the small-scale unit
- Efficiency in wood transportation by train
- Less environmental effects because of centralized terminals

DETALHES

ORIGEM DA MADEIRA

Floresta

TIPO DE MADEIRA

Tronco

TIPO DE MADEIRA EM CAUSA

Stemwood, energy wood

IMPACTE NO AMBIENTE E BIODIVERSIDADE

Environmental effects burdening only big terminals instead of several small terminals.

IMPACTE NAS RECEITAS

Positive

POTENCIAL DE EXPLORAçãO

--

HUB

Pólo Norte

IMPACTE ECONOMICO

Cost-effectiveness in joint maintenance of terminal and in transportation.

CONHECIMENTOS ESPECIFICOS NECESSáRIOS

--

POTENCIAL DE MOBILIZAçãO

High

SUSTENTABILIDADE POTENCIAL - VALOR

--

FACILIDADE DE IMPLEMENTAçãO

Medium

FACILIDADE DE IMPLEMENTAçãO

--

PRE-REQUISITOS CHAVE

Involve all relevant stakeholders in the development.

TIPO DE EVENTO EM QUE ESTE BPI TEM SIDO APRESENTADO

--

IMPACTE NO EMPREGO

Positive

CUSTOS DE IMPLEMENTAçãO (EURO - EUR)

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MAIS DETALHES

DESAFIO ABORDADO

5. Melhorar o desempenho económico e ambiental das cadeias de abastecimento florestal

DOMíNIO

Cortes, infraestruturas e logistica

TIPO DE SOLUçãO

Plataformas colaborativas, nucleos logisticos

PALAVRAS-CHAVE

terminal

transportation

SOLUçãO DIGITAL

Não

INOVAçãO

Não

PAíS DE ORIGEM

Finlândia

ESCALA DE APLICAçãO

Nacional

ANO DE INíCIO E FIM

--

PROJETO NO âMBITO DO QUAL A FOLHA DE DIVULGAçãO FOI CRIADA

Rosewood

DATA DE ENTRADA

17 Set 2019

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY