Cable yarding simulation



VeroSim Cable Yarding

Based on the forest digital twin, timber harvesting with a cable crane can be simulated. Working times, machine hours and the timber assortments produced are added up and displayed graphically. The results can be used to compare different variants of line layout and intervention strength and thus determine an optimum.

Timber harvesting with a cable crane method is simulated and all work steps and the harvested timber assortments are totaled so that the results of the simulation can improve the executed felling.

DETALJI

PODRIJETLO DRVA

Šuma

VRSTA DRVA

Deblo

ODGOVARAJUĆA VRSTA DRVA

Logs and whole trees

UTJECAJ NA OKOLIŠ I BIORAZNOLIKOST

Forests adapted to climate change thanks to intervention in inaccessible terrain.

UČINAK NA PRIHOD

Improved profitability of logging in steep terrain

POTENCIJAL ISKORISTIVOSTI

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SREDIŠTE

Centralno-zapadno čvorište

GOSPODARSKI UČINAK

Reduced installation cost, improved profitability

POTREBNA POSEBNA ZNANJA

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POTENCIJAL ZA POVEĆANJE UPORABE DRVA

> 50'000 m³ for Switzerland

POTENCIJAL ODRŽIVOSTI - VRIJEDNOST

Pozitivan

JEDNOSTAVNOST PROVEDBE

Specialist knowledge is required

JEDNOSTAVNOST PROVEDBE - EVALUACIJA

teško

KLJUČNI PREDUVJETI

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VRSTA DOGAĐAJA NA KOJEM JE PRIKAZAN OVAJ BPI

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UČINAK NA ZAPOŠLJIVOST

Optimized planning

TROŠKOVI PROVEDBE (EURO - €)

5000

VIŠE DETALJA

IZAZOV

5. Unaprjeđenje učinkovitosti lanca opskrbe šumom na gospodarstvo i okoliš

DOMENA

Sječa, infrastrutura, logistika

VRSTA RJEŠENJA

Savjetodavni i uslužni alati za vlasnike šuma

KLJUČNE RIJEČI

cable-crane

digital-twin

DIGITALNO RJEŠENJE

Da

INOVACIJA

Da

ZEMLJA PODRIJETLA

Švicarska

PODRUČJE PRIMJENE

Prekogranična / multilateralna

POČETAK I KRAJ GODINE

2021 - 2025

KONTAKT PODATCI

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REFERENCES AND RESOURCES

GLAVNA WEB STRANICA

https://www.bfh.ch/en/research/research-projects/2021-297-267-347/

WEB STRANICA PROJEKTA

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REFERENCA PROJEKTA

Cable yarding simulation 4.0

IZVORI

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LOGO PRIMJERA DOBRE PRAKSE

LOGO GLAVNE ORGANIZACIJE

PROJEKT U OKVIRU KOJEG JE INFORMATIVNI LIST KREIRAN

Rosewood 4.0

DATUM UNOSA

11 pro 2023

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Link to Rosewood 4.0

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

Centro de Servicios y Promoción Forestal y de su Industria de Castilla y León