LignoSilva INFRA | Innovative forestry research centre with 3D CT scanner technology



LignoSilva INFRA

LignoSilva is Centre of Excellence of the National Forest Centre in cooperation with the Pulp and Paper Institute with a focus on research and innovation in the field of production, mechanical and chemical processing and use wood utilization, strongly committed to demonstrate innovative digitalization technologies.

Based on scientific excellence, outstanding infrastructure, research synergy and cooperation with decision makers and business establishment of the Centre of Excellence of European significance in the field of forestry, wood processing, pulp and paper in cooperation with leading research organisations in the EU. Through implementation of unique infrastructure (3D CT scanner) CoE LignoSilva focus on the innovation development with companies in the field of wood production, processing and utilisation and to contribute to their development and innovation activities related to multi-purpose management of forests; enhanced biomass production; secured wood supply, forest operations and logistics; cascade use, reuse and recycling systems of wood and energy from wood.The fundamental innovative impulse for higher utilization of wood raw material is the implementation of:

• technologies of ground mobile laser scanning for qualitative inventory - assortment of stands.

• 3D CT scanner for the detection of quality and errors of wood and the subsequent use of the obtained data in the field of optimization of sorting and sawmill wood processing.

In the field of pulp and paper processing, CoE's research and innovation activities focus on replacing plastics with biodegradable and compostable packaging based on paper, cardboard and paperboard with special surface treatments.

MER INFORMATION

UTMANING SOM ADRESSERAS

2. Förbättra infrastruktur och kapacitet hos offentliga aktörer

DOMäN

Skogindustri, bio/cirkulär ekonomi

TYPE AV LöSNING

Nätverk, testbädd, FoU plattform

NYCKELORD

--

DIGITAL LöSNING

Ja

INNOVASION

Ja

UPPHOVSLAND

Slovakien

POTENTIAL

Nationell

START OCH SLUTåR

2014 -

KONTAKT INFORMASION

ÄGARE ELLER FöRFATTARE

National Forest Centre – Forest Research Institute

Tomáš Bucha

tomas.bucha@nlcsk.org

http://lignosilva.nlcsk.org/

RAPPORTöR

REFERENCES AND RESOURCES

HEMSIDA (HUVUDSIDA)

http://lignosilva.nlcsk.org/

PROJEKTETS HEMSIDA

https://cordis.europa.eu/project/id/664557

PROJEKTREFERENS

LignoSilva Centre of Excellence, Horizon 2020 no. 664557

RESURSER

--

LOGO FöR BEST PRACTICE

LOGO, HUVUDORGANISATION

LIGNO SILVA CENTRE OF EXCELLENCE OF FOREST-BASED INDUSTRY

PROJEKT SOM DETTA FACTSHEET SKAPATS INOM

Rosewood 4.0

DATUM FöR INLäGG

11 aug 2021

ROSEWOOD 4.0 Sustainable Wood for Europe

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

Link to Rosewood 4.0

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

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