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.

Più DETTAGLI

SFIDA RISOLTA

2. Migliorare le infrastrutture e le capacità degli attori pubblici

DOMINIO

industrie forestali, bio / economia circolare

TIPO DI SOLUZIONE

Reti, banchi di prova, le piattaforme di ricerca e sviluppo

PAROLE CHIAVE

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SOLUZIONE DIGITALE

Sì

INNOVAZIONE

Sì

PAESE D'ORIGINE

Slovacchia

SCALA DI APPLICAZIONE

Nazionale

INIZIO E FINE ANNO

2014 -

CONTATTI

PROPRIETARIO O AUTORE

National Forest Centre – Forest Research Institute

Tomáš Bucha

tomas.bucha@nlcsk.org

http://lignosilva.nlcsk.org/

REPORTER

REFERENCES AND RESOURCES

SITO PRINCIPALE

http://lignosilva.nlcsk.org/

RISORSE

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SITO WEB DEL PROGETTO

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

PROGETTO DI RIFERIMENTO

LignoSilva Centre of Excellence, Horizon 2020 no. 664557

LOGO DELLE MIGLIORI PRATICHE

LOGO DELLA PRINCIPALE ORGANIZZAZIONE

LIGNO SILVA CENTRE OF EXCELLENCE OF FOREST-BASED INDUSTRY

PROGETTO NELL'AMBITO DEL QUALE QUESTA SCHEDA è STATA CREATA

Rosewood 4.0

DATA DI INSERIMENTO

11 Ago 2021

ROSEWOOD 4.0 Sustainable Wood for Europe

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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