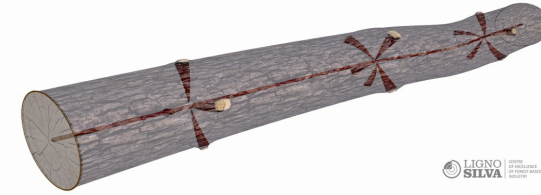# LignoSilva INFRA | Innovative forestry research centre with 3D CT scanner technology

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

PAROLE CHIAVE

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PAESE D'ORIGINE

Slovacchia

DOMINIO

industrie forestali, bio / economia circolare

SOLUZIONE DIGITALE

Sì

SCALA DI APPLICAZIONE

Nazionale

TIPO DI SOLUZIONE

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

INNOVAZIONE

Sì

INIZIO E FINE ANNO

2014 -

CONTATTI

PROPRIETARIO O AUTORE

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REPORTER

REFERENCES
AND RESOURCES

SITO PRINCIPALE

http://lignosilva.nlcsk.org/

SITO WEB DEL PROGETTO

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

PROGETTO DI RIFERIMENTO

LignoSilva Centre of Excellence, Horizon 2020 no. 664557

RISORSE

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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

EFI