Integrated proceSsing and controL systems fOr sustainable forest Production in mountain arEas

Results

Project Information

SLOPE

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Project website

Project closed

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Coordinated by
FONDAZIONE GRAPHITECH
Italy

CORDIS provides links to public deliverables and publications of HORIZON projects.

Links to deliverables and publications from FP7 projects, as well as links to some specific result types such as dataset and software, are dynamically retrieved from OpenAIRE.

Publications

Publications via OpenAIRE (10)

Near Infrared Spectroscopy as a Tool for In-Field Determination of Log/Biomass Quality Index in Mountain Forests

Author(s): Sandak A; Sandak J; Böhm K; Zitek A; Hintestoisser B
Published in: SAGE Publicationsinfo:cnr-pdr/source/autori:Sandak A., Sandak J., Böhm K., Zitek A., Hintestoisser B./titolo:Near infrared spectroscopy as a tool for in-field determination of log/biomass quality index in mountain forests/doi:10.1255/jnirs.1231/rivista:Journal of near infrared spectroscopy (Online)/anno:2016/pagina_da:587/pagina_a:594/intervallo_pagine:587–594/volume:24 2016
Permanent ID: Digital Object Identifier:10.1255/jnirs.1231; Microsoft Academic Graph Identifier:2515432077; Handle:20.500.14243/314005

Assessing Trees, Wood and Derived Products with near Infrared Spectroscopy: Hints and Tips

Author(s): Sandak J; Sandak A; Meder R
Published in: SAGE PublicationsJournal of near infrared spectroscopy 24 (2016): 485–505. doi:10.1255/jnirs.1255 2016
Permanent ID: Digital Object Identifier:10.1255/jnirs.1255; Microsoft Academic Graph Identifier:2552705578; Handle:20.500.14243/324419

Application of imaging techniques for detection of defects, damage and decay in timber structures on-site

Author(s): Riggio M; Sandak J; Franke S
Published in: Elsevier BVinfo:cnr-pdr/source/autori:Riggio M., Sandak J., Franke S./titolo:Application of imaging techniques for detection of defects, damage and decay in timber structures on-site/doi:10.1016/j.conbuildmat.2015.06.065/rivista:Construction & building materials/anno:2015/pagina_da:1241/pagina_a:1252/intervallo_pagine:1241–1252/volume:101 2015
Permanent ID: Digital Object Identifier:10.1016/j.conbuildmat.2015.06.065; Digital Object Identifier:10.24451/arbor.5616; Microsoft Academic Graph Identifier:796697600; Handle:20.500.14243/295553

Development of the in-field sensor for estimation of fracture toughness and shear strength by measuring cutting forces

Author(s): Sandak J; Orlowski K; Ochrymiuk T; Sandak A; Riggio M
Published in: SAGE Publicationsinfo:cnr-pdr/source/autori:Sandak J., Orlowski K., Ochrymiuk T., Sandak A., Riggio M./titolo:Development of the in-field sensor for estimation of fracture toughness and shear strength by measuring cutting forces/doi:10.1080/20426445.2016.1232912/rivista:International wood products journal (Online)/anno:2017/pagina_da:34/pagina_a:38/intervallo_pagine:34–

38/volume:8 2016
Permanent ID: Digital Object Identifier:10.1080/20426445.2016.1232912; Microsoft Academic Graph Identifier:2527428939; Handle:20.500.14243/317166

Differences in wood properties of *Picea abies* L. Karst. in relation to site of provenance and population genetics

Author(s): Sandak J; Sandak A; Cantini C; Autino A
Published in: Walter de Gruyter GmbHinfo:cnr-pdr/source/autori:Sandak J., Sandak A., Cantini C., Autino A./titolo:Differences in wood properties of Picea abies L. Karst. in relation to site of provenance and population genetics/doi:10.1515/hf-2014-0061/rivista:Holzforschung (Berl., Internet)/anno:2015/pagina_da:385/pagina_a:397/intervallo_pagine:385–397/volume:69 2014
Permanent ID: Digital Object Identifier:10.1515/hf-2014-0061; Microsoft Academic Graph Identifier:2018235606; Handle:20.500.14243/230858

New Approach for forest inventory estimation and timber harvesting planning in mountain areas: the SLOPE project

Author(s): A. Poveda; Michele Andreolli; Federico Devigili; Daniele Magliocchetti; R. De Amicis; Federico Prandi
Published in: Copernicus GmbHThe International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Vol XLI-B3, Pp 775-782 (2016) 2016
Permanent ID: Digital Object Identifier:10.5194/isprs-archives-xli-b3-775-2016; Digital Object Identifier:10.5194/isprsarchives-xli-b3-775-2016; Microsoft Academic Graph Identifier:2416214256

Multivariate analysis of multi-sensor data for assessment of timber structures: Principles and applications

Author(s): Sandak J; Sandak A; Riggio M
Published in: Elsevier BVinfo:cnr-pdr/source/autori:Sandak J., Sandak A., Riggio M./titolo:Multivariate analysis of multi-sensor data for assessment of timber structures: Principles and applications/doi:10.1016/j.conbuildmat.2015.06.062/rivista:Construction & building materials/anno:2015/pagina_da:1172/pagina_a:1180/intervallo_pagine:1172–1180/volume:101 2015
Permanent ID: Digital Object Identifier:10.1016/j.conbuildmat.2015.06.062; Microsoft Academic Graph Identifier:1157873648; Handle:20.500.14243/293669

Estimation of physical and mechanical properties of timber members in service by means of infrared spectroscopy

Author(s): Sandak A; Sandak J; Riggio M
Published in: Elsevier BVConstruction and Building Materials 2015

Permanent ID: Digital Object Identifier:10.1016/j.conbuildmat.2015.06.063; Microsoft Academic Graph Identifier:962680830; Handle:20.500.14243/293671

Timber Tracking in a Mountain Forest Supply Chain: A Case Study to Analyze Functionality, Bottlenecks, Risks, and Costs

Author(s): Pichler Gerhard; Sandak Jakub; Picchi Gianni; Kastner Maximilian; Graifenberg Diego; Stampfer Karl; Kühmaier Martin
Published in: MDPI AGForests; Volume 13; Issue 9; Pages: 1373 2022
Permanent ID: Digital Object Identifier:10.3390/f13091373

Smart Harvest Operations and Timber Processing for Improved Forest Management

Author(s): Picchi G; Sandak J; Grigolato S; Panzacchi P; Tognetti R
Published in: Springer International PublishingClimate-Smart Forestry in Mountain Regions, edited by Tognetti R., Smith M., Panzacchi P., pp. 317–359. Cham, Heidelberg, New York, Dordrecht, London: Springer, 2022 2021
Permanent ID: Digital Object Identifier:10.1007/978-3-030-80767-2_9; Microsoft Academic Graph Identifier:3215037892; Handle:20.500.14243/447127

Other Research Products

Other Research Products via OpenAire (1)

GeoPeels: deformation-based technique for exploration of geo-referenced networks

Author(s): Debiasi, Alberto; Simões, Bruno; De Amicis, Raffaele
Published in: Václav Skala - UNION Agency

Last update: 20 April 2022

Permalink: https://cordis.europa.eu/project/id/604129/results