

Use of cableways for the management of the Ligurian forest territory

Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

Tele.For.Liguria

Tematica

Meccanizzazione

Information

Time frame

2021 - 2023

Durata

17 months

Partners (no.)

5

Regione

Liguria

Comparto

Forestale

Localizzazione

ITC32 - Savona

Costo totale

€90.477,17

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP006: Italy - Rural Development

Programme (Regional) - Liguria

Parole chiave

Farming/forestry competitiveness and diversification

Landscape /land management

Farming equipment and machinery

Forestry

Sito web

<https://ordineliguria.conaf.it/progetto-tele-for-liguria-utilizzo-di-teleferich...>

Project status

completed



Objectives

"The aim of the project is to develop and implement a significant innovative mechanical/operational adaptation to be applied to existing forest cableways, achieving the following objectives:

Operate safely with small size and/or sloping forest roads;

Have a cableway set up on small vehicles at your disposal;

Rapid implementation in almost any slope condition and limited space;

Make the best use of existing forest roads, reducing the need to open new ones;

Allow small businesses to use forest stands that would otherwise be unprofitable due to difficult stationary conditions.

Phase 1 objectives are confirmed."

Activities

"Project coordination (transversal action 1)

Study, design, modelling of the planned innovative adaptations (az.2 Preparatory - in conjunction with phase 1);

Implementation of the innovation on existing forest vehicles and cableways, with the structural changes of the case (az.3 Adaptation);

Adapted experimental vehicle and cableway forest tests and data processing (az.3 Adaptation);

Dissemination with demonstration trials in the forest addressed to other companies/stakeholders (az.5) and with seminars involving RRN (az.6);

Adoption of the innovation (az.4) by producing of a technical description and use document."

Partenariato

Role	Azienda	Address	Telephone	E-mail
Leader	E.L.Fo. - Ente Ligure di Formazione	Via Piemonte - Regione Carrà 19/5B 17031 Albenga SV Italy	0182559636	direzione@elfoliguria.it
Partner	Università degli Studi di Genova - Dipartimento di ingegneria meccanica, energetica, gestionale e dei trasporti - DIME	Via Alla Opera Pia 15 16145 Genova GE Italy	010 33 52964	amministrazione@dime.unige.it
Partner	Università degli Studi di Torino - Dipartimento di Scienze Agrarie, Forestali e Alimentari (DiSAFA)	Via Largo Braccini,2 10095 Grugliasco TO Italy	011 6708791	michele.lonati@unito.it
Partner	Bertino Fabrizio	Strada della Gramaglia 6 12073 Ceva CN Italy		
Partner	MAO F.LLI PATRIZIO E GIANNI & C. S.N.C.	Via Mons.A.Canova 3 12075 Garessio CN Italy	0174803261	fratellimao@tiscalinet.it

Pratiche abstract

Description

"It is felt that all the objectives of this project can be traced back to just one technical innovation (even if in some respects it is somewhat diverse).

The technical innovation that is to be developed concerns specifically the mechanization of the operations of aerial clearance by forest cableway. Specifically, an existing forest vehicle will be used, already equipped with standard cableway equipment: forest vehicle equipped with mobile cableway. A number of features of this vehicle will be modified / implemented, to allow the equipment itself to be used in extreme conditions of forest roads: less viability and a steep slope..

The innovative aspects that will be developed concern the study, the analysis, possibly modelling and then the implementation of the hydraulic and mechanical systems of self-levelling of the support platform of the mechanical tractors and of the related mast of the cableway, in such a way that the latter can be installed in an always vertical position, without requiring the supporting vehicle to be stationary in necessarily level pitches.

The processing described above will obviously be carried out in such a way as to ensure the safety of operators in accordance with current legislation.

The above is an innovation because, to date, there are no mobile forest cableway stations (towed or self-propelled), on the market, capable of levelling themselves regardless of the steepness of the road, but require parking and assembly pitches

on level ground."
