EXTRAFOR | Exoskeletons for forest works



The Extrafor project aims to reduce the drudgery of logging by creating an exoskeleton adapted to the needs of manual logging.

The mechanization rate for harvesting hardwood stands is only 10% and mechanization in silviculture is very limited. Many operators report musculoskeletal disorders.The use of exoskeletons in the forest would make it possible to assist the operators in their work, it would make their task easier while aiming to preserve their health, without of course compromising their safety. It is a hybrid solution that combines the acuity of manual work with the strength and endurance of a machine, while obviously remaining affordable. Equipping field workers with ergonomic exoskeletons, adapted to work in the forest is an intermediate and complementary solution between mechanisation and manual work, allowing the unblocking of certain difficult situations. Seeking to increase human capacity instead of replacing it is also a way of meeting the various expectations of citizens (maintaining jobs in rural areas, social acceptability of forest sites) and of enhancing the value of work in the forest (and the sector) by promoting this type of initiative.

MEHR DETAILS

ANGESPROCHENE HERAUSFORDERUNG

4. Sicherstellung von gut ausgebildeter Arbeitskräfte durch attraktive Qualifikationsentwicklung und Bildung

DOMäNE

Holzernte, Infrastruktur, Logistik

ART DER LöSUNG

Intelligente Maschinen, Ausrüstung

SCHLüSSELWöRTER

Exploitation
mechanisation
penibility

DIGITALE LöSUNG

Nein

INNOVATION

Ja

HERKUNFTSLAND

Frankreich

UMFANG DER ANWENDUNG

National

ANFANGS- UND ENDJAHR

2017 - 2020

KONTAKTDATEN

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REFERENCES AND RESOURCES

HAUPT-WEBSITE

https://www.fcba.fr/travaux/extrafor-exosquelettes-pour-le-travail-en-foret/

RESSOURCEN

PROJEKT-WEBSITE

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PROJEKT-REFERENZ

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LOGO DER BEST PRACTICE

LOGO DER HAUPTORGANISATION

PROJEKT, IN DESSEN RAHMEN DIESES FACTSHEET ERSTELLT WURDE

Rosewood 4.0

BEITRAGSDATUM

13 Aug. 2021

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

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