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.

MER INFORMATION

UTMANING SOM ADRESSERAS

4. Säkerställa en välutbildad arbetskraft genom attraktiv kompetensutveckling och utbildning

DOMäN

Avverkning, infrastruktur, logistik

TYPE AV LöSNING

Smarta maskiner

NYCKELORD

Exploitation

mechanisation

penibility

DIGITAL LöSNING

Nej

INNOVASION

Ja

UPPHOVSLAND

Frankrike

POTENTIAL

Nationell

START OCH SLUTåR

2017 - 2020

KONTAKT INFORMASION

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RAPPORTöR

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REFERENCES AND RESOURCES

HEMSIDA (HUVUDSIDA)

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

PROJEKTETS HEMSIDA

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PROJEKTREFERENS

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RESURSER

LOGO FöR BEST PRACTICE

LOGO, HUVUDORGANISATION



PROJEKT SOM DETTA FACTSHEET SKAPATS INOM

Rosewood 4.0

DATUM FöR INLäGG

13 aug 2021





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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

