

## 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

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UTMANING SOM ADRESSERAS	DOMÄN	TYPE AV LÖSNING
4. Säkerställa en välutbildad arbetskraft genom attraktiv kompetensutveckling och utbildning	Avverkning, infrastruktur, logistik	Smarta maskiner
NYCKELORD	DIGITAL LÖSNING	INNOVATION
Exploitation	Nej	Ja
mechanisation		
penibility		
UPPHOVSLAND	POTENTIAL	START OCH SLUTÅR
Frankrike	Nationell	2017 - 2020

## KONTAKT INFORMASION

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ÄGARE ELLER FÖRFATTARE	RAPPORTÖR
FCBA	
Marin Chaumet	Henri Husson
Marin.chaumet@fcba.fr	h.husson@crpf.fr
<a href="https://www.fcba.fr/travaux/technologies-de-l-information-et-de-la-communication-pour-l-exploitation/">https://www.fcba.fr/travaux/technologies-de-l-information-et-de-la-communication-pour-l-exploitation/</a>	

## REFERENCES AND RESOURCES

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HEMSIDA (HUVUDSIDA)	RESURSER
<a href="https://www.fcba.fr/travaux/extratex-for-exosquelettes-pour-le-travail-en-foret/">https://www.fcba.fr/travaux/extratex-for-exosquelettes-pour-le-travail-en-foret/</a>	
PROJEKTETS HEMSIDA	
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PROJEKTREFERENS	
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LOGO FÖR BEST PRACTICE

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LOGO, HUVUDORGANISATION

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PROJEKT SOM DETTA FACTSHEET SKAPATS INOM  
Rosewood 4.0

DATUM FÖR INLÄGG  
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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



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