# 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.

## VEČ PODROBNOSTI

**IZZIV**

4. Zagotovitev usposobljene delovne sile s pomočjo privlačnih programov izobraževanj

**DOMENA**

Sečnja in spravilo, infrastruktura, logistika

**TIP REŠITVE**

Pametni stroji, oprema

**KLJUČNE BESEDE**

Exploitation

mechanisation

penibility

**DIGITALNE REŠITVE**

No

**INOVACIJA**

Da

**IZVORNA DRŽAVA**

Francija

**OBSEG UPORABE**

Nacionalni

**ZAČETNO IN KONČNO LETO**

2017 - 2020

## KONTAKTN PODATKI

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https://www.fcba.fr/travaux/technologies-de-linformation-et-de-la-communication-pour-lexploitation/

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## REFERENCES AND RESOURCES

**SPLETNA STRAN**

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

**VIRI**

**SPLETNA STRAN PROJEKTA**

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**REFERENCA PROJEKTA**

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LOGOTIP DOBRE PRAKSE

LOGOTIP GLAVNE ORGANIZACIJE




PROJEKT, V OKVIRU KATEREGA SO BILI ZBRANI OSNOVNI PODATKI

Rosewood 4.0

DATUM OBJAVE

13 Aug 2021






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




A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

