

PROCESSING

**PRIMARY PROCESSING** 



#### Commingled fabric



Braided fabric

Knitted fabric





# TPANSFOR



FEEDSTOCK

LYMER MATERIALS

Dd



Thermoplastic polymer







Wrapped rovings



Hemp rovings





Scutched/hackled hemp fibres

### BIOMASS SUPPLY



Wooden materials, saw dust & birch bark



#### Hemp stems

BIO-BASED POLYMERS PLANT FIBERS







This project has received funding from the Bio-Based Industries Joint Undertaking under the European Union's Horizon 2020 research and innovation program under grant agreement No 744349.





# Trèves



Bio-based floor and trim panel structures for automotive applications

**Bio-based monocoque** structure for electric scooter

Bio-based interior panels for electric aircraft application



# SED COMPOSITES AND WICH MATERIALS

## **SAND WITCH**







Hemp/GreenPoxy composite paper honeycomb

Hemp/GreenPoxy composite balsa core

Hemp/GreenPoxy composite recycled PET foam



Composites - Compression molding (155°C, 100 bar)





BB





Compression molding (40 bar) *4, 6, 8 Layers* Hemp/polyamide 12





Fabrics before and after prepregging Hemp/furan

Bio-based Industries Consortium



**COMPOSITES** 



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