

A strong transborder collaborative consortium in the France-Wallonie-Vlaanderen Regions



Project supported by



Avec le soutien du Fonds européen de développement régional
Met steun van het Europees Fonds voor Regionale Ontwikkeling
With support of European Regional Development Fund

More information

www.interreg-fwvl.eu

[@InterregFWVL](https://twitter.com/InterregFWVL)



GoToS3

BIOCOMPAL

From biomass to lightweight and high performance composites: an integrated approach

www.biocompal.com

Objectives

BIOCOMPAL project aims at developing **structural, lightweight, biobased and low carbon footprint composites made of flax technical woven fabrics** issued from renewable and agro resources and **innovative** bio-based thermoset resins (*elaborated from naturally occurring phenolic compounds*) exhibiting high mechanical, thermal, fire resistance and durability for **applications in transport (automotive, public transportation – bus, tram-, railway, aeronautic, boatbuilding...)**

Work structure

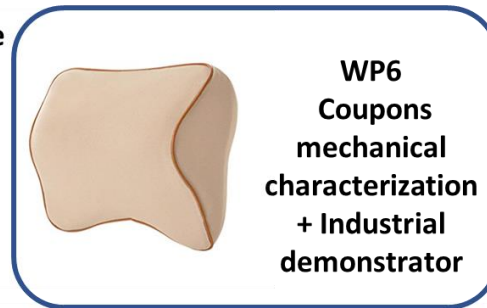
WP1: Management
WP2: Communication



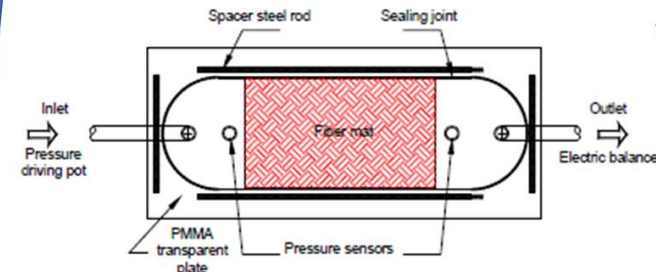
WP3
Flax fiber cultivation and textile reinforcement preparation (screening of 25 varieties)



WP4
Bio-based resin with intrinsic fire resistance and high compatibility with flax fibers



WP6
Coupons mechanical characterization + Industrial demonstrator



WP5
Manufacturing process