

The logo for GRETE features a stylized green plant with two leaves on the left, positioned above a series of horizontal lines that resemble a staircase or a modern architectural element. To the right of this graphic, the word "GRETE" is written in a large, bold, dark green, sans-serif font.

# GRETE

OVERCOMING THE BOTTLENECKS OF  
THE WOOD-TO-TEXTILE VALUE CHAIN



GRETE project has received funding from the Bio-Based Industries Joint Undertaking under the European Union's Horizon 2020 research and innovation programme under grant agreement No. 837527



# AMBITION

## OVERCOMING THE BOTTLENECKS OF THE WOOD-TO-TEXTILE VALUE CHAIN

Tackle the challenges of **sustainable production of cellulose-based man-made fibres** by developing innovative technologies for wood pulp modification, cellulose dissolution and fibre generation, thus radically improving the wood-to-textile value chain.

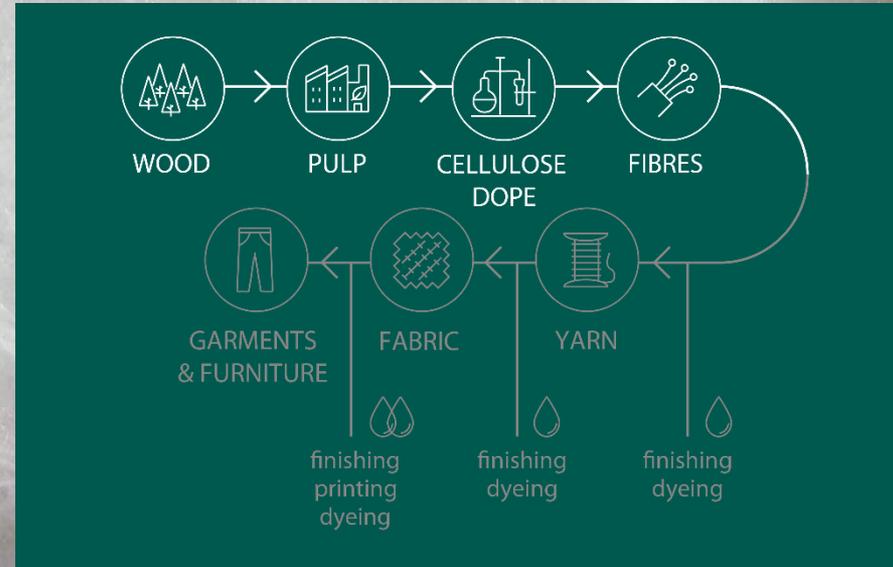


©Mabel Amber, Pixabay

# ACTIONS

## IMPROVING THE EXISTING TEXTILE VALUE CHAIN THROUGH TECHNOLOGICAL INNOVATION

Using a **new raw material** based on European **paper grade pulps**, implementing **novel solvent systems** based on ionic liquids and feasible and sustainable modification procedures for cellulose dissolution and regeneration.



# IMPACT

## STRENGTHENING THE EUROPEAN BIO-BASED INDUSTRY BY CREATING NEW BUSINESS OPPORTUNITIES

Combining novel cellulose-based textile manufacturing with pulp manufacturing, from both **North European softwood** and **South European eucalyptus**, is a key element in re-introducing extensive man-made cellulosic fibre manufacturing in Europe. GRETE supports the strategic orientations of the BBI JU objectives by **developing sustainable and competitive bio-based industries** in Europe.



NOVEL RAW  
MATERIAL BASE  
FOR THE TEXTILE  
INDUSTRY



NOVEL  
SOLVENTS FOR  
CELLULOSE  
DISSOLUTION &  
REGENERATION

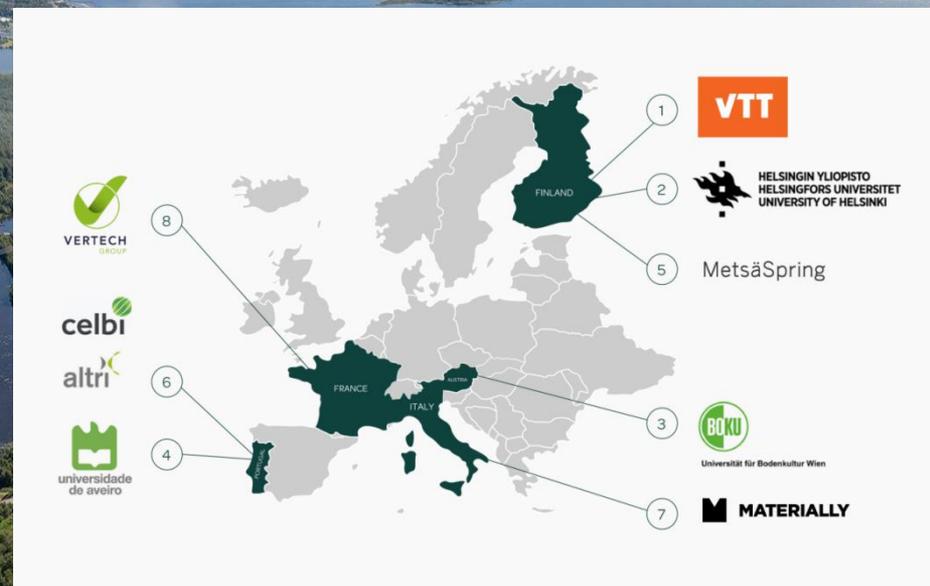


HIGH QUALITY  
FIBRES WITH  
TAILORED  
PROPERTIES

# CONSORTIUM

EXCELLENCE CONNECTING  
EUROPE'S NORTH TO THE SOUTH

The GRETE project is implemented by a consortium of a total of **eight partners**, connecting **five countries** from Europe's North to the South: Finland, Austria, Italy, France and Portugal, bringing together institutions from **Research, Consultancy and Industry**.



# CONTACTS

---

info@greteproject.eu



www.greteproject.eu



GRETE Project\_EU



@eu\_grete



@eugrete



The GRETE logo, featuring a stylized white plant with two leaves and a root system, positioned to the left of the text.  
THANK YOU!  
**GRETE**



GRETE project has received funding from the Bio-Based Industries Joint Undertaking under the European Union's Horizon 2020 research and innovation programme under grant agreement No. 837527



Horizon 2020  
European Union Funding  
for Research & Innovation