

The logo for GRETE features a stylized green leaf with a white stem on the left, which is integrated with the letters 'W' and 'T' of the word 'WATER'. 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

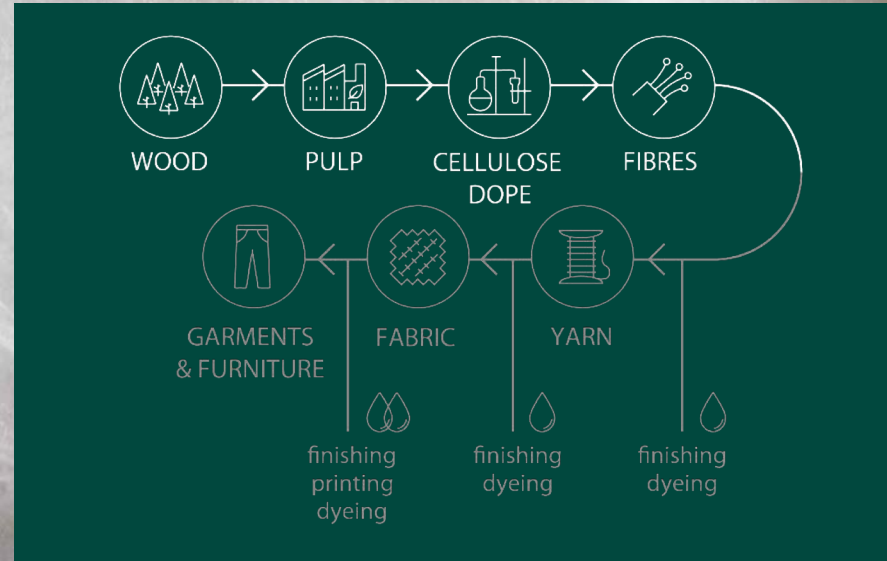
Tackle the challenges of **sustainable production of cellulose-based man-made fibres** by developing innovative technologies for wood pulp modification, cellulose dissolution and fibre generation, thus radically improving the wood-to-textile value chain.



# 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

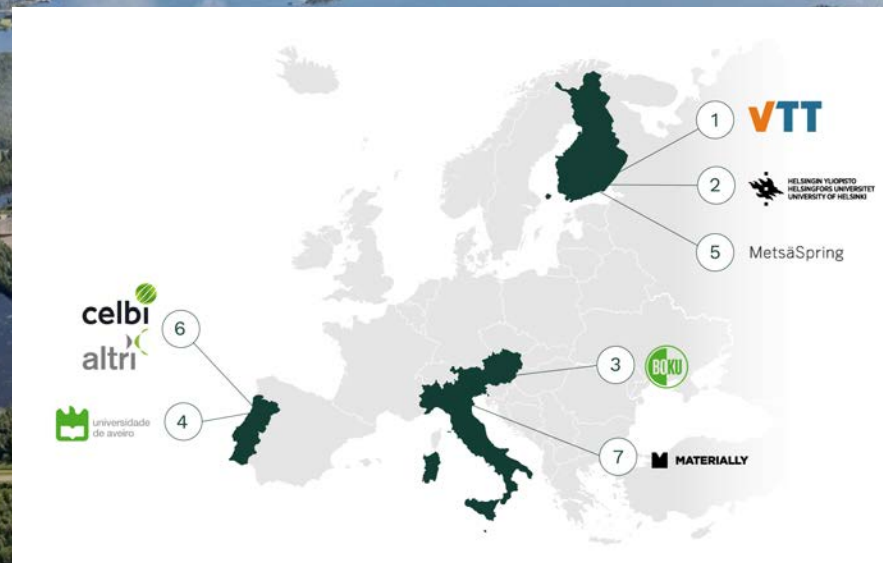


HIGH QUALITY  
FIBRES WITH  
TAILORED  
PROPERTIES

# CONSORTIUM

EXCELLENCE CONNECTING  
EUROPE'S NORTH TO THE SOUTH

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



# CONTACTS

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 **THANK YOU!**  
**GRETE**