



# THREADING-CO<sub>2</sub>

VALORISATION OF CO<sub>2</sub> WASTE STREAMS  
INTO POLYESTER FOR A SUSTAINABLE  
CIRCULAR TEXTILE INDUSTRY



STARTED ON  
**1 January**  
2023



DURATION  
**48 months**



COORDINATOR  
**FAIRBRICS SAS**



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# AMBITION

1

Demonstration of the valorisation of CO<sub>2</sub> waste streams into low carbon circular polyester at industrial scale.

2

Production of high-quality commercially viable sustainable CO<sub>2</sub> based textile products capable of meeting market demands.

3

Drastically reduce GHG emissions and environmental footprint of polyester manufacturing process.

4

Creation of a European value chain for sustainable PET.



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