



Sustainable recycling of (Carbon) Fibre Composites and biomass waste to valued added CarbonGreen products. CarbonGreen is a 36 months LIFE Environment and Resource Efficiency project.

Duration

Start date 09/01/2021
End date 08/31/2024

Budget

3.756.906 €

Our **vision** is a world where everything is recycled: CarbonGreen aims at closing the carbon loop and creating new value materials with clear social impact.

Our **commitment** is greening the Planet, one CarbonGreen product at the time, converting secondary raw materials into High Value Products for industrial, agricultural or water treatment purposes.

Our **strength** lies in the ecosystem of our partners from start-ups and industries. Scientists, entrepreneurs, engineers, sociologists, chemists, economists are focusing together on implementing solutions to solve the environmental crisis while regenerating natural resources.

The problem

There are different carbon waste streams that don't have a suitable recycling solution, like manure, biomass residues, digestate, spent activated carbon, carbon and glass fibre composites from end-of-life wind turbines.



>50,000 tons of unrecyclable blade waste will be available in 2030 per annum.

Our technology

CarbonGreen technology transforms secondary raw materials into products intermediates. The process only uses electricity, has no chemical consumption, other than some additives and produces no waste. The process ultimately produces basic compounds.



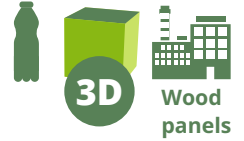
Our solution

Our process creates new high value products like fillers or activated carbon which can be used to purify our waters, air and soil. At end-of-life these CarbonGreen products can be recycled again in our process ensuring circularity.

Activated Carbon solutions for



Fillers / Carbon Black for



80% elimination of PFAS from the contaminated activated carbon can be achieved.

Stakeholders



Partners



The CarbonGreen project has received funding from the LIFE programme of the European Union under the agreement n. LIFE20 ENV/NL/000200

