



**CIRCULAR
BIOECONOMY**


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OTTO GRASS FIBRE SHIPPING BOX: RENEWABLE FIBRE INNOVATION FOR CIRCULAR E-COMMERCE PACKAGING



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The OTTO Paludiculture Shipping Box demonstrates how biomass from rewetted peatlands can be transformed into a valuable raw material for fibre-based packaging. The project combines peatland restoration, climate protection and sustainable packaging innovation within a single circular bioeconomy value chain.

Fibres derived from biomass cultivated on rewetted peatlands are integrated into paper-based packaging solutions, creating a new use for renewable biomass while supporting the restoration of peatland ecosystems. The resulting corrugated packaging is fully recyclable within existing paper recycling systems and can be produced using established industrial infrastructure.

Developed for large-scale e-commerce applications, the project shows how alternative fibre sources can diversify raw material supply, create additional value from paludiculture and provide renewable solutions for everyday packaging needs. The OTTO Shipping Box serves as a practical example of how climate action and industrial innovation can work together to support Europe's circular bioeconomy.

