



**FORSCHUNG
FÜR DIE
ZUKUNFT**



From Peatland to Building Material

Paludiculture as an agricultural and value-creation strategy

The PALUDI MEDIA LAB explores how biomass from wet and rewetted peatlands can be developed into new raw materials and products. The aim is to combine peatland protection, productive land use and regional value creation.

From Wet Land to Raw Material

Paludiculture enables the productive use of wet peatlands and creates new opportunities for agriculture. Plants such as cattail, reed, sedges and wet grassland species provide renewable biomass that can be processed into fibres, semi-finished products and biobased materials.

From Raw Material to Product

At the PALUDI MEDIA LAB, biomass processing, fibre preparation, material development and testing are considered as one integrated pathway. Applications range from building and insulation materials to substrates and other biobased products.

Outlook

The goal is to establish an integrated value chain: from the peatland through harvesting and biomass processing to market-ready products. In this way, rewetting

can be linked to new markets, regional processing and new economic opportunities for rural areas.

Förderung

Reallabor ZeKiWa Zeitz

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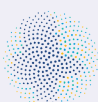
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