

Circ Reno (Ireland) WP 1

Agri Crops to Bio-Construction Materials / Solutions

Circular Renovation is an EU project funded under Interreg NW (**NWE0100144**), which is seeking to develop bio-construction materials from agricultural crops and

wastes for application in modular construction systems, which can be applied in new and retrofit contexts.

The project partners here in Ireland are KORE Retrofit and Tuath housing association

Working with EU partners we are seeking to develop a multi stakeholder group to promote the development of pilot solutions and potential agri-bio crop construction supply chains here in Ireland.

Our envisaged focus is on crops such as straw, miscanthus and industrial hemp, and our aim is to develop a road map and action plan for the sector and particular grower groups toward developing supply chains and pilot demonstrative modular construction panels utilising these crops.



Straw, miscanthus and hemp can be developed into construction material and products



SOURCE: www.miscanthus-buscheritz.de

Exploring Innovative Construction Products and Systems

Potential construction products and systems from these agri-crops include low tech mixtures of biomass aggregates with binders, mid tech solutions such as biobased insulative quilts / batts and boards and more high-tech bioplastics and foams.

With increasing policy and legislative requirement for circularity and decarbonisation of the built environment there is growing interest and demand for low carbon construction materials and products, which could be met agri biobased crops such as **straw, hemp and miscanthus** with their carbon sequestering potential.



SOURCE: www.terravesta.com

For further information on this work package or the wider project please contact:

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