



# Act4Value - Actors for innovative and regional bio residue valorization

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## Background

A drastic reduction in the consumption of fossil resources and efficient use are key factors in limiting the further progression of climate change. Cascading use and recycling of residues in the sense of bioeconomy and circular economy are essential. Thermochemical or microbiological conversion can produce various intermediates and endproducts (e.g. biochar, basic chemicals, bioenergy) from biogenic residues. Implemented decentrally, such concepts can reduce transportation efforts, increase the degree of self-sufficiency with raw materials, increase regional added value creation and close (preferably regional) material and energy cycles.

## This is us – the Act4Value partnership

The RTI partnership Act4Value brings together different actors who intend to promote the implementation of regional material and energy cycles. In a joint process, robust holistic concepts for a circular use of resources are to be described, and constraints, driving factors and open issues are to be identified.



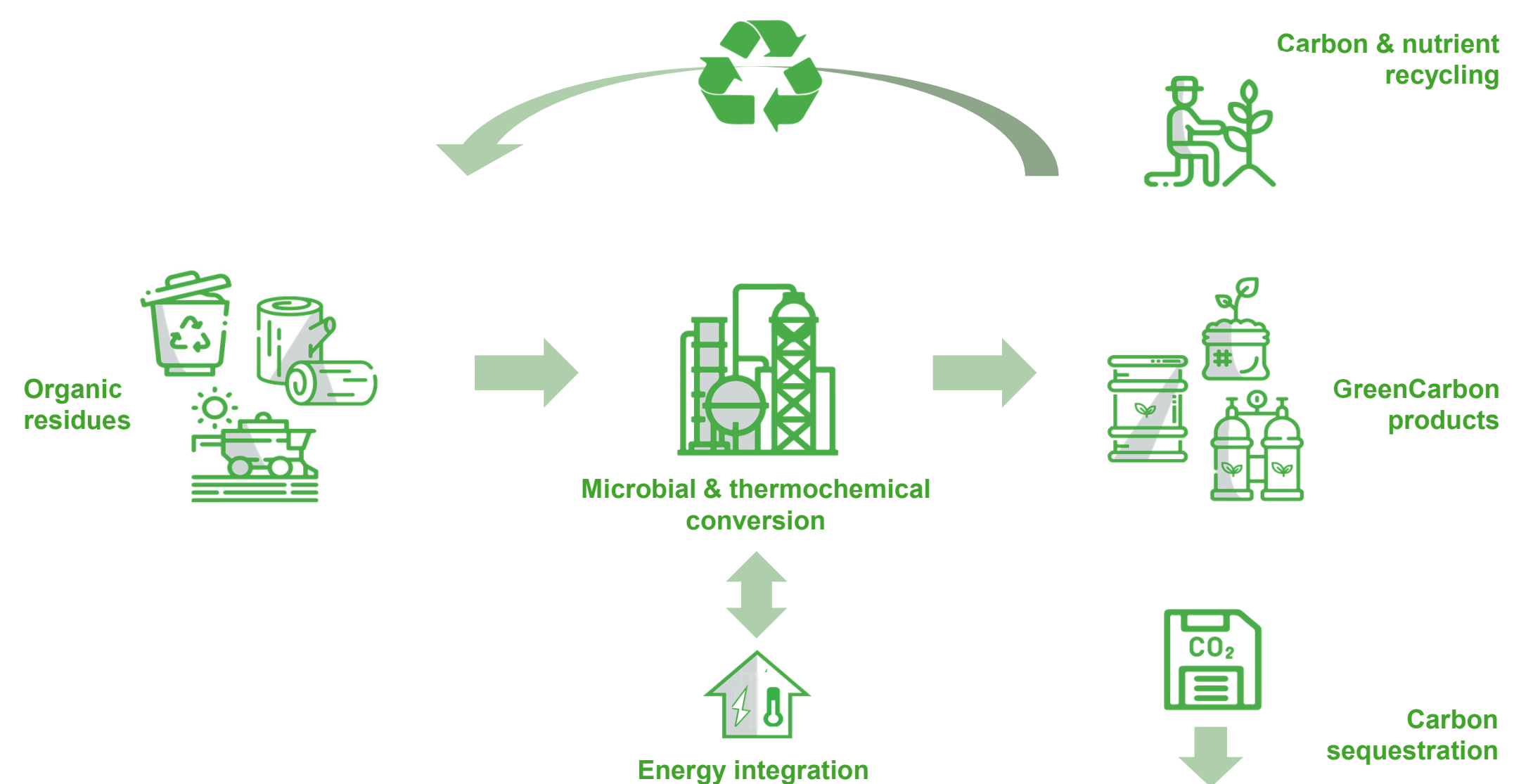
## Our Vision

It is our task to prove here in Lower Austria that our future can be decided at the regional level, that organic residues can be valorized using modern processes, that we can develop concrete products from the abstract idea of sustainability. Together, we are working towards a major goal: From biogenic residues to valuable economic products. In this regard, we will

- enable **carbon & nutrient recycling**
- generate ecological benefit by **soil enhancement**
- produce **non-fossil carbon products**
- provide **valuable disposal alternatives**
- establish **integrated renewable energy concepts**, and
- develop **clima-positive solutions**.

## Changing the carbon game

From biogenic residues to valuable economic products.



## Objectives

The overall goal of Act4value is to promote and further develop the above described concept of organic circular economy at the location of Lower Austria, whereby interdisciplinary exchange as well as knowledge transfer and dialogue between research and practice shall contribute in particular. Steps in terms of achieving this goal are:

- Sustainable development and expansion of the RTI partnership
- Initiation of coordinated networking activities and events
- Elaboration of a thematic development strategy and concepts for the RTI location Lower Austria
- Promotion of knowledge transfer and dialogue between research and practice
- Preparation and conception of innovative research and development projects that contribute to solving current and future social, economic, ecological and technological challenges.

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