



Innovative concepts for the regional use of biogenic residues

Irene Sedlmayer
 irene.sedlmayer@best-research.eu
 0043 5 02378-9451

Elisabeth Wopienka
 elisabeth.wopienka@best-research.eu
 0043 5 02378-9438

This is us



Find us



BEST – Bioenergy and Sustainable Technologies GmbH

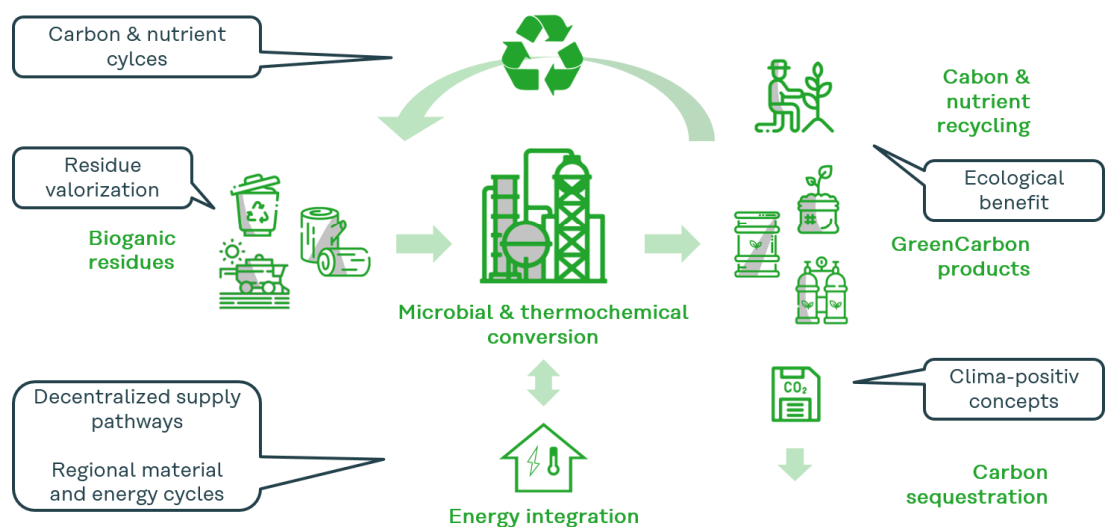
Head Office Graz
 Inffeldgasse 21b
 A 8010 Graz

P +43 5 02378-9201
 office@best-research.eu
 www.best-research.eu

Background

Thermochemical or microbiological conversion can produce various intermediate and end products (e.g. biochar, basic chemicals, bioenergy) from biogenic residues. Decentralized implementation of such technologies can reduce transport costs, increase the degree of self-sufficiency on the raw material side, increase regional value creation and (preferably regionally) close material and energy cycles. Within the network partnership act4value, a strategy for the optimized use and integration of organic residues based on pyrolysis and fermentation processes is being developed and implemented in various project schemes.

Changing the Carbon game



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.

act4value

converting biogenic residues into value-added products

Objectives & Approach

act4value is striving for developing different pilots for circular resource utilization. The goals are

- the demonstration of ecologically and economically optimized overall concepts
- the development of methods for the scalability or multiplicability of these pilots - "value-added concepts on prescription"
- Identification of the necessary technological, logistical, organizational and economic framework conditions for successful implementation of such concepts with a focus on ecological as well as social and economic interests – *Planet-People-Profit*

Pilots will be developed through a participatory approach, involving external stakeholders through selected hosting methods and accompanying them on their way to becoming autonomous pilot groups.



Acknowledgements

A sincere gratitude goes to all act4value partners for their positive encouragement.



FUNDED AS PART OF THE RTI-STRATEGY LOWER AUSTRIA 2027