

# CoAct - Integrated urban-rural concept for production of activated carbon and energy sources from residual biomass

## Stadt-Land-Plus: Achieving more together for strong urban-rural partnerships

### Motivation

The Lake Constance provides a water supply for four million people. As a consequence, the municipalities located in the catchment area have a special responsibility for the purification of their wastewater, for which imported activated carbon is often used. With CoAct, this activated carbon is to be produced sustainably and regionally from residual biomass. In addition, storable energy sources are also to be produced, which promises further positive effects for the sustainable development of the region.

### Goals and approach

The project aims to convert residual biomass, such as trimming remains from the maintenance of wooded and nature conservation areas, into activated carbon and biochar for regional use. To achieve this goal, the necessary technical, economic, ecological and legal knowledge foundations are being developed. Actors, their relationships and interests are to be considered. Further, the decision-making and implementation processes are developed by city and regional authorities.

### Expected results and transfer

The project will end with recommendations for action that will enable the Lake Constance region to make concrete decisions and thus realize a positive sustainable impact. In addition, the CoAct procedure and governance solutions will be made transferable for the use in other regions.



Activated carbon produced from residual biomass

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