

Part II

Cases in Bioenergy

This part presents four cases of biofuel production. These cases illustrate the possibilities for satisfying rural energy demands and the use of organic residues for energy consumption while maintaining the availability of natural resources due to the better utilization of regional bioresources. First, a local value chain of biofuel is presented to point out cost-effective applications for local heating. Then, people's opinions about the use of bioresources for heating are presented with the objective of demonstrating that tangible local benefits are a key condition for participation. Third, bioresources are linked to the synthetic gas based on renewable energy for heating to underpin the abundance of resources on the national scale. Finally, cross-sectoral linkages between the organic residues are illustrated to show that the circular economy of bioresource is feasible, albeit challenging.