

When energy smells funny. The sensual aspect of Bioenergy

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The german energy transition will be accompanied by substantial changes in the structure of the overall energy system. This might affect the types of energy carriers used and also the diversity of technologies, their locations as well as the quantity of the necessary installations. Consequently, the character of the overall energy system might change from large-scale and, mostly centralized production systems to smaller, decentralized units. In some cases, this might as well have an impact on the public perception of the energy production.

Bioenergy technologies can be an option to utilize locally sourced waste or residue streams to produce electricity, heat or liquid fuels. However, depending on the type of the used substrates or the actual conversion process, bioenergy systems can be associated with several sensory nuisances. These sensual perceptions may directly influence the public perception and acceptance of the concerned bioenergy projects.

During our input to workshop B2 we will present a number of examples for bioenergy projects which can, because of their inherent properties, be subject to public controversies and intense discussions between interested citizens, project developers and/or policy makers.