3rd International Hybrid Power Systems Workshop 8 - 9 May 2018, Tenerife / Spain

Promoting Renewable Energies in Tourism An actor-based analysis of biogas waste heat usage

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Background

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Methodology

In tourism, energy demands are particularly high. Tourism facilities such as hotels require large amounts of electric and heating respective cooling energy. Their supply however is usually still based on fossil energies [1]. Its effectiveness on climate change addresses the need for promoting renewable energies in tourism [2]. Biogas enables the combined production of electrical and thermal energy. Plants are

logas enables the combined production or electrical and thermal energy. Hants are idely spread across Germany, particularly due to the political promotion by the newable energy law (Erneuerbare-Energien-Gesetz) [3], espite its high potential within the energy system transformation, the biogas and faces an uncertain future. When regular government subsidies terminate 20 years, proprietors must decide to continue operating their plant under revolution merchanism conditions or to shot it down [4]. This would imply be a substantial provide the state of the state

- Primary data collection > A survey amongst proprietors of biogas plants has been conducted, focusing on the efficiency of waste heat usage, operating strategies, and interest in feeding (possible) short distance network [6].
- Furthermore, stakeholders in tourism were polled. They were asked about their current heat supply and their interest in joining micro-cooperation (results still due).
- Experts are investigated about planning and financial issues as well as technical, political and social aspects (results still due) [7]

dary data collection

- > The spatial scope of the particular study region Black Forest was defined according to its physio-geographical specifications [5].
- Heat consuming objects in tourism were conducted and localised via GIS-analysis, including swimming pools, thermal baths, laundry service facilities supplying tourism and accommodations such as hotels.
- > In relation to these, biogas plants were identified within a five kilometre radius.



References

Contact

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