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Green Gas

Facilitating a future green gas grid through the production of renewable gas

Heat and transport account for about 80% of final energy consumption. Significant progress has been made in renewable electricity but decarbonization of transports is challenging. Gaseous renewable energy carriers can have a considerable impact on decarbonizing transport. The report of Task 37 analyzes the roadmaps developed in some European countries showing that the future production of green gas may account for 41PJ in Ireland, 77PJ in the Netherlands, 280PJ in the UK, 1260PJ in Italy and over 100PJ in Denmark. This represents approximately 26%, 24%, 8%, 44% and 75% of current natural gas demand in these countries. The technologies investigated include anaerobic digestion, gasification-methanation, power to gas and micro-algae biogas upgrading.

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http://task37.ieabioenergy.com/files/daten-redaktion/download/Technical%20Brochures/green_gas_web_end.pdf