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# Grouiez P. ”Challenging ecological bioeconomy: from farmers’ autonomy to their strategy of biomass supplier in their insertion within biogas production industry in France”

Pascal Grouiez\*<sup>1</sup>

<sup>1</sup>LADYSS UMR 7533 – Université Paris Diderot - Paris 7, Laboratoire Ladyss, Université Paris Diderot  
- Paris 7 – France

## Abstract

The article studies the diversity of models of sustainable bioeconomy by focusing on the productive strategies of the farmers who engage in biogas plant projects. To account for this diversity, we use the framework of analysis of Malerba (2002, 2005) and his concept of sectoral innovation system. We apply this framework analysis to the results obtained through a qualitative survey of 60 farmers in the Grand Est region (France) and Brittany region (France) involved in the biogas production between 2017 and 2025. We identify four models for the agricultural biogas production that fit into various value chains and which approach sustainability issues differently.

**Keywords:** Biogas production, Farmers’ strategies, Sectoral Innovation System

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\*Speaker