

# Realization of a low carbon society through game changing technologies

**Construction of synthetic microbiota for chemical production from organic wastes**

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## Summary :

Although methane fermentation is often employed in organic-waste treatments, there remains a need to improve its economical feasibility. In this project, we modify the function of naturally occurring methane-producing microbiota and use them for chemical production from organic wastes.

This technology will increase the feasibility in waste-treatment processes and lead to 30-t/y reduction of domestic CO<sub>2</sub> emissions.

