



BIOECONOMY TALKS FOR SUSTAINABLE FOOD AND AGRICULTURE

(BET 4 Sustainable Food and Agriculture)

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Advancing Biogas Technology: A Key Driver for Thailand's Renewable Energy Future

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Schedule

Opening remarks:

2.00 - 2.05 p.m.

Bioeconomy talk:

2.05 - 2.25 p.m.

Discussion and Q&A

2.25 - 2.45 p.m.

*Bangkok time (ICT)

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or scan



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Topic

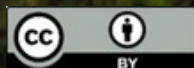
Thailand's AEDP 2018 plan aims to increase the share of renewable energy to 30 percent of Thai final energy consumption by 2037. Biogas technologies play a key role in achieving this target, given Thailand's readiness in technological capabilities and the abundance of viable raw materials, including agro-industrial residues, livestock farm waste, and biomass. This presentation will highlight high efficiency biogas production technologies, specifically designed for wastewater and agricultural waste, particularly from the cassava starch industry. Additionally, it will showcase examples of biogas production technologies implemented in other sectors across Thailand.

Speaker

Dr Tarworn Ruttithiwapanich holds a Doctorate in Chemical Engineering and has experience in research focused on optimizing reactor design for biogas production in cassava starch factories. His expertise also extends to large-scale industrial biogas production from cassava wastewater and cassava pulp, particularly for a 7 200 cubic meter biogas production unit. Currently, he serves as a coordinator at the National Research Council of Thailand (NRCT), overseeing the "Bio-Based Industry and Sustainability Program" office. His work supports research initiatives aimed at enhancing production efficiency and reducing carbon dioxide emissions within the biofuel and biochemical sectors.

Organized by FAO (with the support of BIOTEC)

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