

Carbon-negative and Resource-recovery Biomass Power Generation System

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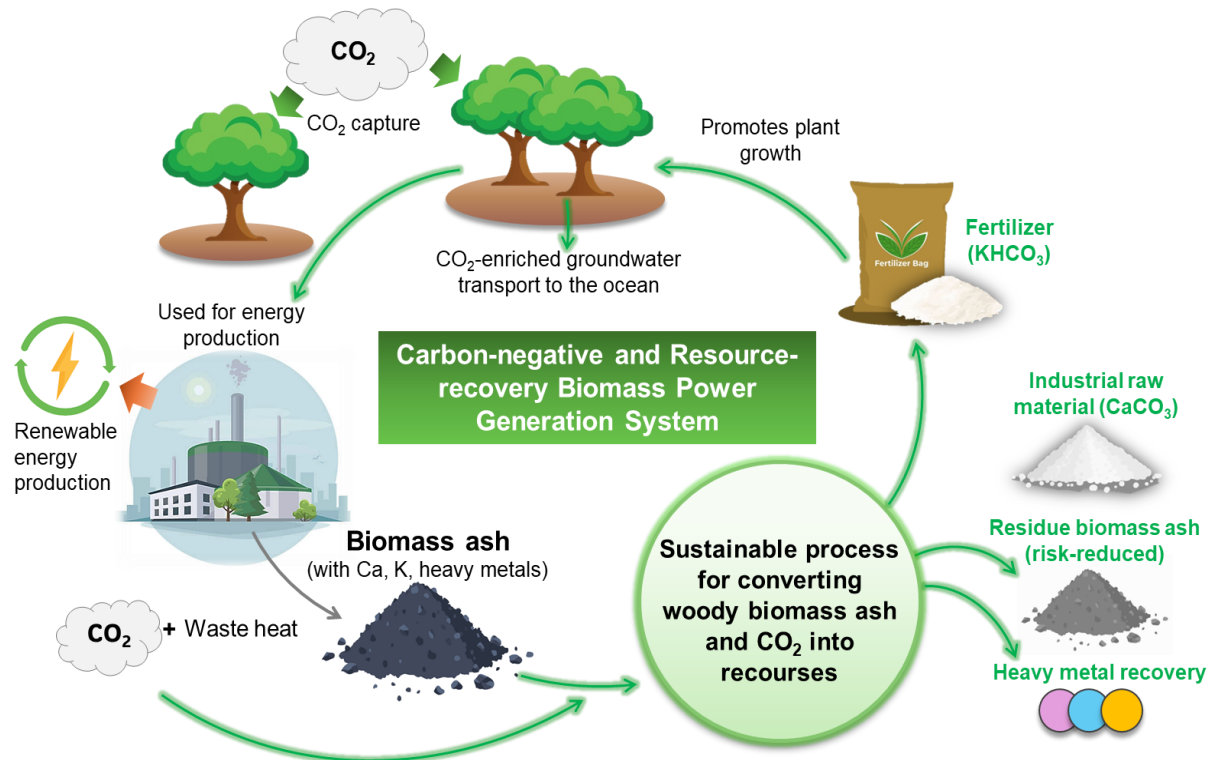
Period : Second semester, Day and time to be arranged upon discussion

First Meeting Location: October 3 (Fri), 16:20,

Graduate School of Environmental Studies, Research Building 1F, Seminar Room 1



Resources & Energy Security Lab.
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Woody biomass is gaining popularity as a renewable energy resource, with its use growing rapidly in recent years. But there's a catch—burning biomass leaves behind **biomass ash** that, while rich in useful elements, also contains heavy metals that pose **environmental risks**.

In this course, we explore an eco-friendly approach using a biobased, biodegradable chelating agent and CO₂ to **clean up the ash** and turn it into **something valuable (e.g., fertilizer, industrial raw materials)**.

Let's explore a future of biomass power that balances decarbonization and resource-recovery together!