## No. B-3E

PJ: Agrobiotechnological Direct Air Capture Towards Carbon Circulation Society Theme: DAC agriculture

Organization: National Agriculture and Food Research Organization (NARO), Tokyo Univ. Agr. Tech., Nagoya Univ., Univ. Tokyo, Kyoto Univ., Shinshu Univ., Univ. Shiga Pref., Saitama Univ.)

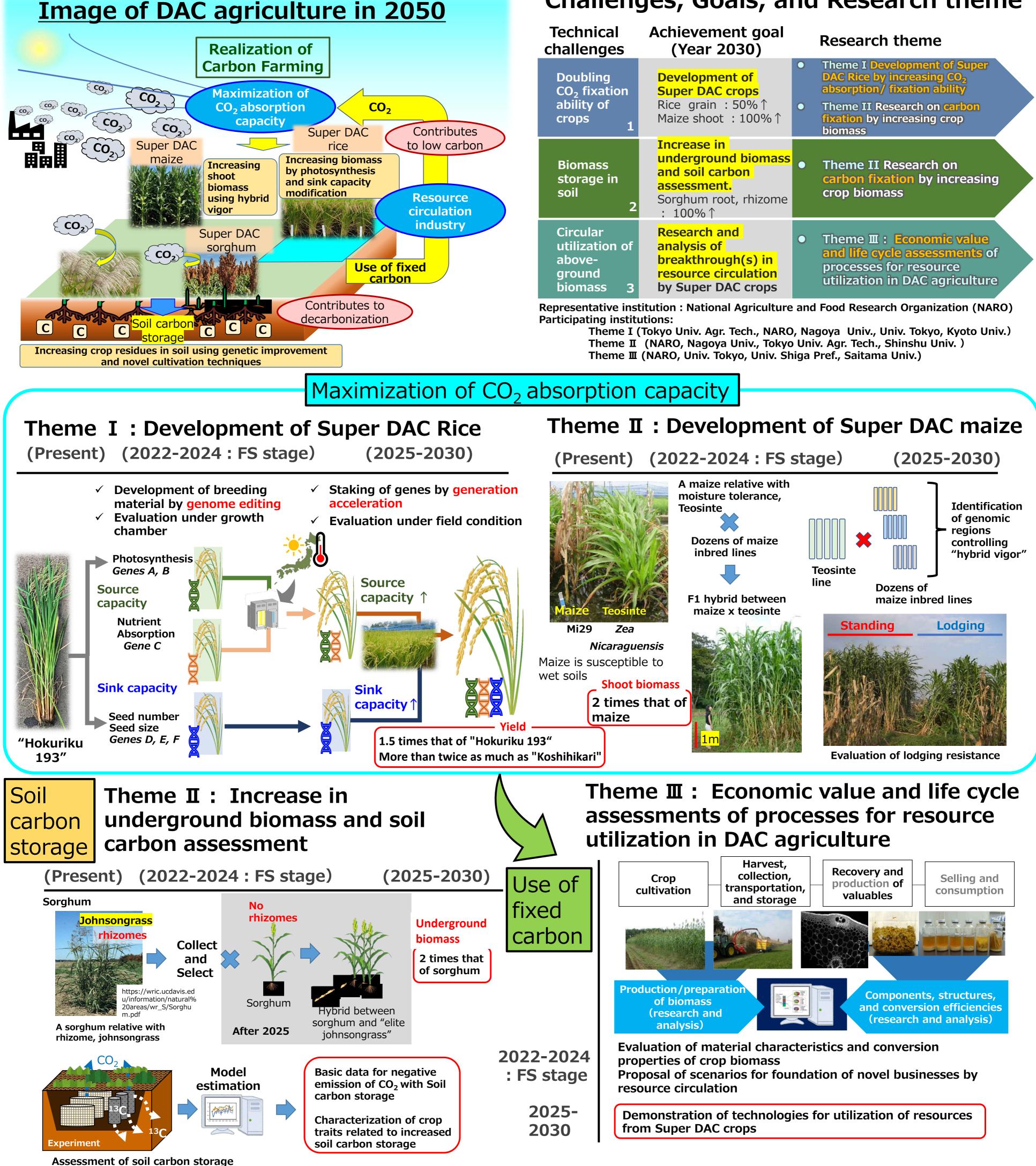
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## OUTLINE

Design and evaluation of "super DAC crop" by modifications and optimization of allelic combinations of genes related to CO<sub>2</sub> absorption/fixation and biomass production capacity. Development of techniques to assess the decomposition and carbon dynamics of crop residues in soil. Economic value and life cycle assessments of carbon circulation from crop production to recovery and utilization of valuables.

Challenges, Goals, and Research theme



**NEDO** 

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