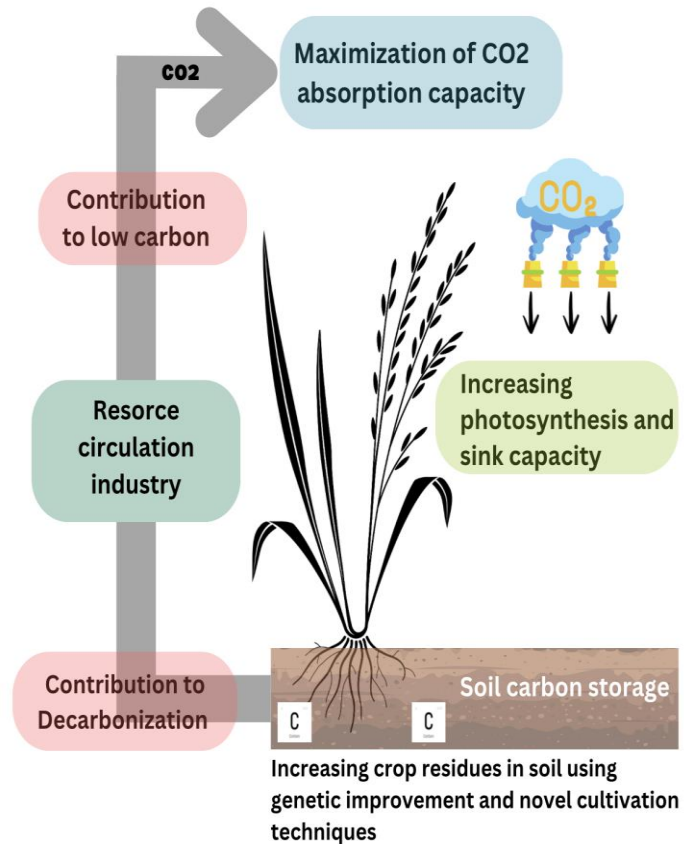
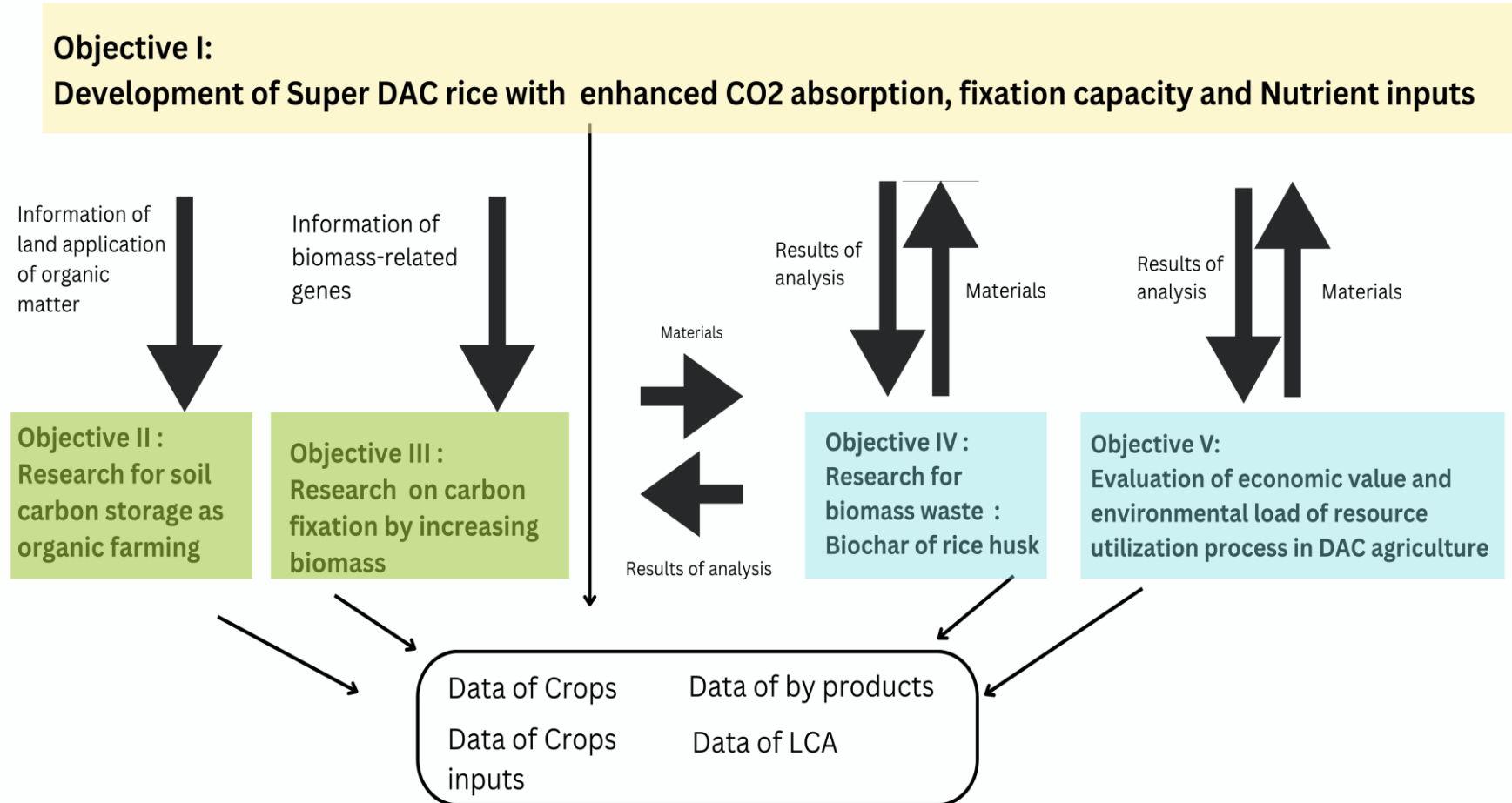




Crop Improvement and Evaluation Toward Realization of Direct Air Capture Agriculture (DAC)



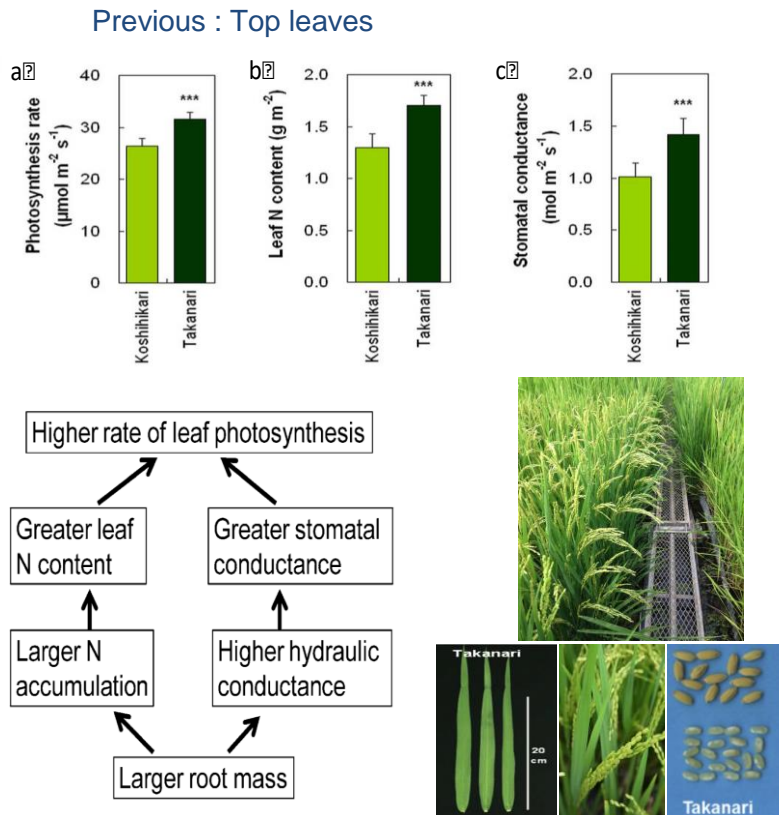
Research Subjects - Collaboration/Relationship





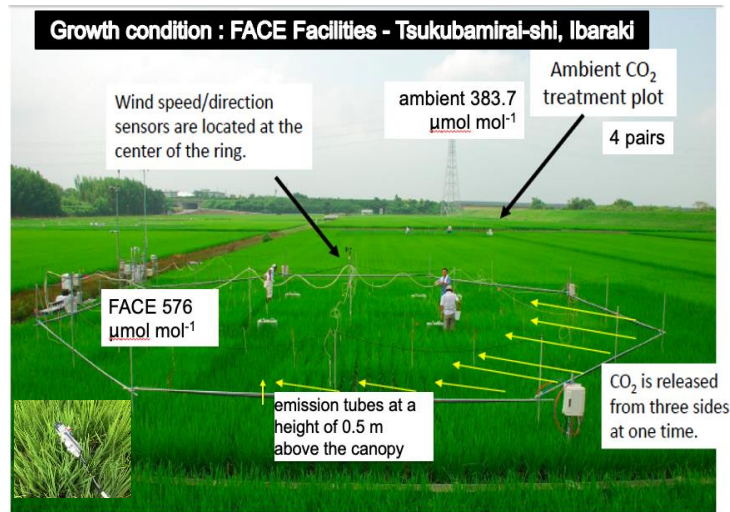
Super DAC Rice with High Photosynthesis Capacity and N Absorption capacity

Objectives

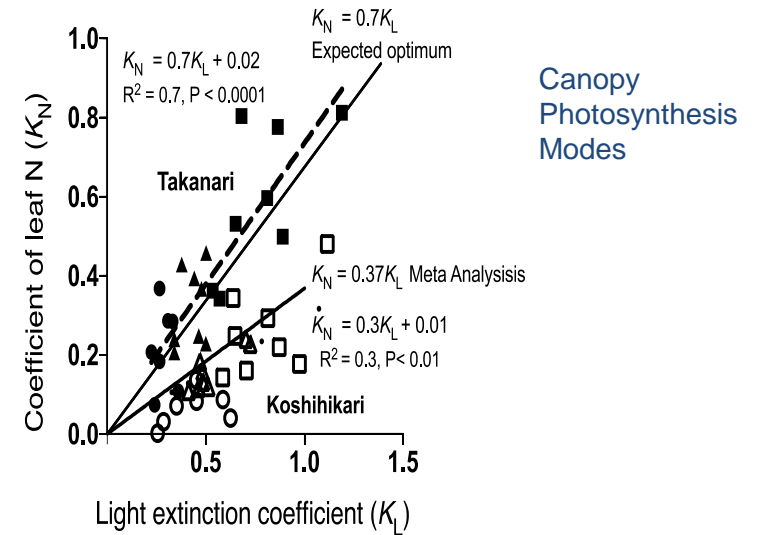


Methods

Free Air CO2 Enrichment



Result – Discussion - Conclusion



- The slope of vertical distribution of leaf N content (K_N) was positively correlated with the light extinction coefficient (K_L) in each species.
- Takanari had a significantly higher K_N value than others when compared at a given K_L .
- The K_N values in Takanari were considered to be closer to the optimal K_N than those in other species