PROJECT INFORMATION
RICE SEED REGENERATION AND SAFETY DUPLICATION FOR THE SVALBARD GLOBAL SEED VAULT

Project's title	Rice seed regeneration and safety duplication for the Svalbard Global Seed Vault
Project's partner/ collaboration	Mekong Delta Development Research Institute
Sponsor/Donor	The Global Crop Diversity Trust
Total budged	67.257 USD
Project's period/duration	January 1st, 2023 – September 30th, 2024
Principal Investigator (PI)	Nguyen Thanh Tam
Co-PI	
Project's member	Dr. Dang Kieu Nhan, Director, Mekong Delta Development Research Institute Mr. Nguyen Hoang Khai, Mekong Delta Development Research Institute Dr. Huynh Ky, College of Agriculture Dr. Pham Thi Be Tu, College of Agriculture Mr. Huynh Nhu Dien, College of Agriculture Mrs. Lim Ngoc Han, Department of International Relations Mrs. Le Thi Thuy Trang, Department of Financal Affairs
Overall objective	To rehabilitate, characterize, document the database of rice varieties for conservation at the Norway rice gene bank (1000 varieties: improved and landrace rice varieties).
Specific objectives	
Contents	1. Implement rehabilitation, characterization, and document of 500 improved rice varieties (MTL) in Co Do - TP. Can Tho 2. Implement rehabilitation, characterization, and document of 500 rice landrace in Chau Thanh district - Kien Giang province 3. Analysis the genetic diversity of 500 improved rice varieties and 500 rice landraces. 4. Sending rice samples to Norway's rice gene bank.
Expected outcome	1. Training: 1-2 university students in the field of Agriculture and Biotechnology. 2. Publication: 1-2 papers in Vietnam and/or interational journals, technical books/Proceedings. 3. Workshops: 1-2 workshops (rice seed evaluation).
Contact address	Mekong Delta Development Research Institute – Can Tho University – Campus 2, 3/2 street, Xuan Khanh ward, Ninh Kieu district, Can Tho city.
Some activities/implementation photos	

Figure 1. Seed germination testing

Figure 2. Sowing

Figure 3. Seedling protection

Figure 4. Seedling at transplanting day

Figure 5. Transplanting for rehabilitate experiment

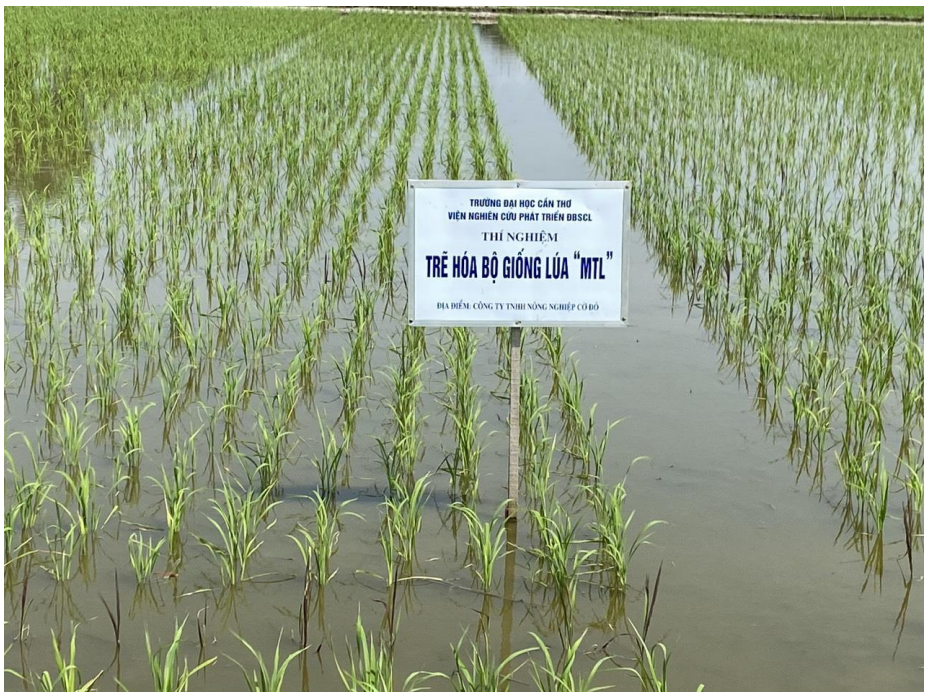

Figure 6. Rice plant at 15 days after trasplanting

Figure 7. Rice plant at heading stage

Figure 8. Documentation of rice varieties

Figure 9. Documentation of rice varieties

Figure 10. Harvesting of rehabilitate rice varieties

Figure 11. Rehabilitated rice varieties