

Green Carbon Inc.



- Address: Minato-ku, Tokyo
- Employees: 6
- Established in 2019
- Business: Carbon credit creation/trading project Genome editing for plants

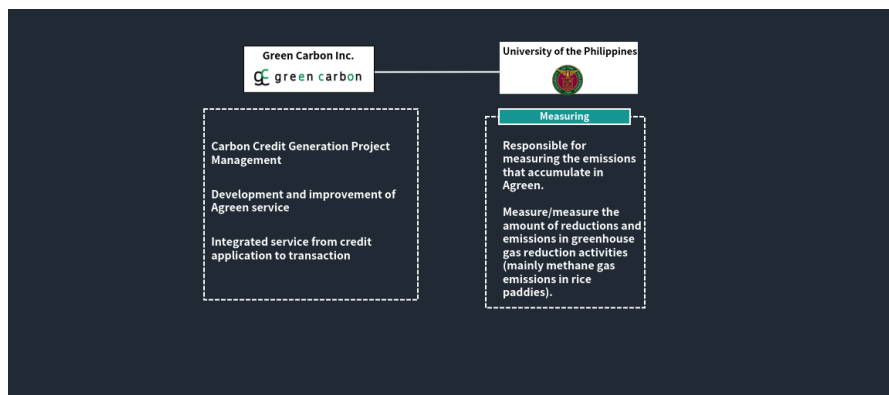
<http://green-carbon.co.jp/>

Outline of the demonstration project

- Carbon credit generation from methane gas reduction in paddy fields in the Philippines and DXing using the carbon credit platform.

Cooperation with local companies/governments

- Local Partner: University of the Philippines
- Details of Partnership/Cooperation: Provision of experimental plots
Measuring GHG emission



Targeted economic/social issues

- The first issue is the reduction target within the Philippines. Currently, the Philippines emits about 60 million tons of CO₂, and to achieve the target of 75% reduction, we need to reduce emissions by about 45 million tons of CO₂. This is difficult to achieve through national efforts alone.
- The second issue is the income of rice farmers. Rice farmers in the Philippines have low incomes and are unable to make a living from farming alone.
- The third issue is the complex procedures for applying for credits and the man-hours involved in selling them. By utilizing "Agreen," a platform service we plan to develop, we will reduce the time and efforts required for project registration applications and documentation and provide one-stop support for sales.

Details of demonstration

- In this project, we will work with rice farmers to generate carbon credits using Agreeen. The proceeds from the sale of the credits will become a source of income for the farmers and will also contribute to the emission reduction targets of the Philippines.

Expected outcome of beneficiary effects

- The total area of rice paddies in the Philippines is 4.81 million hectares (more than twice the size of Japan). If carbon credits were to be generated in rice paddies throughout the Philippines (more than twice the size of Japan), the potential and economic benefits would amount to 19.24 billion yen (Calculated at 4t-CO₂/ha, 1000 yen/t-CO₂).
- Expected benefits of this project include: increased income for farmers through additional income, and a flourishing carbon credit market in the Philippines. In addition, as a CO₂ reduction effect, 19.24 million tons of carbon credits can be purchased by Philippine companies.