

Ajinomoto Co., Inc. (Head office: Chuo ward, Tokyo)

Features

- In line with the company's Purpose of 'Contributing to the well-being of all human beings, our society, and our planet with AminoScience', Ajinomoto is committed to expanding positive impact through expertise in amino acids.

Products and Services

- "AjiPro®-L", an amino acid lysine formulation for dairy and beef cattle.
- "AjiPro®-L" improves the amino acid balance in feed to maintain/improve productivity, reducing farmers' production costs while contributing to the reduction of greenhouse gases.



AjiPro®-L, a lysine formula for cattle

Major Efforts

- Collaborating with dairy/beef manufacturers and local governments, expanding introduction of products and services not only in Japan but also in Brazil, the US, China, EU, and other regions.
- Building and operating a business model utilizing carbon credit schemes such as J-Credit.



Cattle consuming feed that contains AjiPro®-L

Future developments

- In collaboration with partners such as governments, municipalities, and dairy/beef manufacturers, Ajinomoto plans to accelerate the introduction of its products and services globally by utilizing carbon credit schemes such as JCM.

For inquiries,
please contact

MAIL: aji_ajipro@asv.ajinomoto.com

Agriculture

Livestock

Forestry

Fisheries

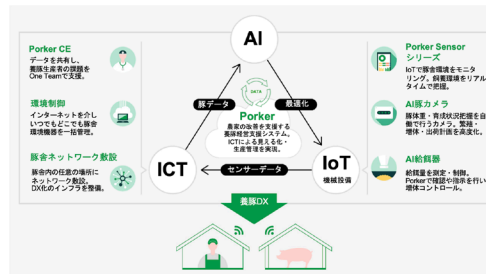
Eco-Pork Co., Ltd. (Head office: Chiyoda ward, Tokyo)

Features

Eco-Pork is an impact startup committed to addressing global food challenges by promoting sustainability in the pig farming industry through data-driven solutions. In Japan, we hold a 14% market share in pig farming DX and have accumulated data equivalent to 2.2 million pigs per year. We launched Japan's first and only J-Credit program-based project for pig farming in 2024.

Technologies and Services

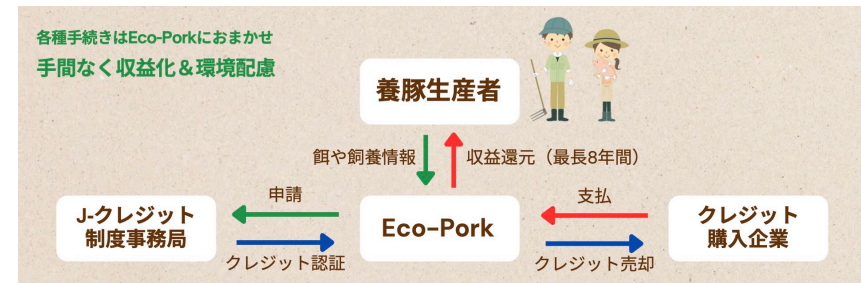
- Simplifying and ensuring the reliability of carbon credit monitoring through DX solutions for pig farmers.



テクノロジーで生産量と環境負荷を改善して、養豚農家の活性化に取り組む

Major Efforts

- J-Credit AG-001 “GHG Reduction from Manure in Pig Farming through Amino Acid-Balanced Feed



Future developments

We combine our GX (Green Transformation) expertise developed through the J-Credit program with our core strength in DX (Digital Transformation) to promote the sustainability of pig farming industries in countries increasingly demanding environmental solutions.

For inquiries,
please contact

TEL: 080-8740-1129 MAIL: info@eco-pork.com

SDS Biotech K.K. (Chiyoda ward, Tokyo)

Features

SDS Biotech promotes effective and environmentally friendly agrochemical products and functional feed additives and leverages its strength as a company that consistently conducts research and development, manufacturing, and sales to products in many agricultural and livestock settings internationally.

We provide Cashew nutshell liquid products in safe and stable form manufactured by our unique method and conduct demonstration activities to showcase effective usage of the product as a feed additive.

Technologies and Services

Ruminup is a natural functional feed for cattle containing cashew nutshell liquid (CNSL*).

CNSL is known to reduce enteric methane from ruminants and increase propionic acid.

*CNSL is listed by MAFF as a feed additive for the purpose of GHG Reduction.



Cashew nut shells



CNSL



Product

Major Efforts

○Japan : Basic research and demonstration activities of CNSL as a GHG reducer

○Vietnam : Demonstrations using Vietnamese local cattle (Lai Sind) ※2

○US : Academic research showing effects in productivity

※2: Listed in “Technology Catalog Contributing to Production Potential and Sustainability in the Asia-Monsoon Region”

The research shows that the average enteric methane emission per kg dry matter intake from Vietnamese local cattle (Lai Sind) decreased by 20.2–23.4% with CNSL feeding.

(https://www.jircas.go.jp/sites/default/files/greenasia/2023-09/J6_JIRCAS_techcatalog_v2.0.pdf)

Future Developments

Feed registration and regulatory measures will be required in each country. The application of the Carbon Credit System and formation of JCM project would accelerate implementation of CNSL feed.

For inquiries,
please contact

TEL : 03 - 6867 - 8322

Inquiries : <https://www.sdsbio.co.jp/inquiry.html>

Kubota Corporation (Head office: Osaka city, Osaka)

Features

Kubota is supporting the management of agricultural producers in Japan and overseas through agricultural machinery and digital farm management support systems. The company's strengths lie in its products, software, and field network with farmers.

Technologies and Services

- Product development and supply of agricultural machinery and materials
- KSAS (a digital farm management support system)
 - ・ Remote sensing by satellite data/drones
 - ・ Variable fertilizer application based on data
- J-Credit projects (prolonging mid-season drainage in paddy fields, Heat pump for horticultural facilities)
- JCM projects in ASEAN (Alternate Wetting and Drying)
- Water management system for fields and paddy fields



Data-driven PDCA agriculture through centralized digital field data management and cultivation logs using KSAS.

Major Efforts

- Operating multiple reliable J-credit projects in Japan, utilizing field information and cultivation logs through KSAS
- Joint demonstration project with Creattura Co., Ltd. and TOKYO GAS CO.,LTD to verify the practicality of AWD (Pangasinan Province, Philippines / End of 2023-)
- Conducting a pilot project to evaluate the business feasibility of AWD by Kubota (Laguna Province, Philippines / End of 2024-)



Kubota has started joint research with the International Rice Research Institute (IRRI) to develop a methodology that combines AWD and Rice Straw Removal to maximize the reduction of methane emissions from paddy fields.

©2025 IRRI

Future developments

Alongside ongoing efforts to promote the addition of AWD (Alternate Wetting and Drying) and similar practices in various countries, Kubota aims to reduce the environmental impact of agriculture by expanding globally reliable and transparent GHG reduction technologies based on data.

For inquiries,
please contact

MAIL : kbt_g.agri-solutions.bp@kubota.com

(Planning Section, Agri-Solutions Business Planning and Promotion Department, Kubota corporation)

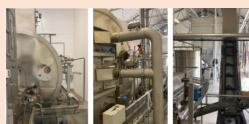
Green Carbon Inc. (Head office: Chiyoda city, Tokyo)

Features

Green Carbon Inc. is engaged in the creation of nature-based carbon credits and projects, mainly in Southeast Asia. In particular, the company is expanding its agricultural projects, and is working on a large scale with local governments, farmers, universities, and research institutions in various countries.

Technologies and Services

- Alternate Wetting and Drying (AWD)
- Biochar Generation Project
- Project management system called “Agreen”



Co-creating services in collaboration with various partners

Major Efforts

- Currently developing agriculture-based carbon credit projects in the Philippines, Vietnam, Thailand, Cambodia, and other countries.



Providing project training to local farmers and agricultural support.

Future developments

Our goal is to offer comprehensive support beyond carbon credit generation by engaging with farmers through training and communication, helping them to enhance crop yields and improve the quality of agricultural products.

For inquiries,
please contact

TEL: 080-7307-8597

EMAIL: info@green-carbon.inc

Faeger Co. Ltd. (Head office: Minato ward, Tokyo)

Features

Faeger specializes in climate-smart agriculture and the monetization of environmental efforts through carbon credits. Its core strengths lie in agronomic advisory and the development and deployment of climate-resilient solutions. Through partnerships with the JA Group, as well as machinery, agrochemical, and input suppliers, Faeger provides a wide range of integrated agricultural solutions.

Technologies and Services

- Alternate Wetting and Drying (AWD)
- Biochar application



Group photo with local farmers

Future developments

- Faeger aims to expand its initiatives and methodologies, while also advancing the evaluation and deployment of climate adaptation solutions. These efforts are designed to help farmers improve both crop quality and yield in the face of climate change.

Major Efforts

- In Japan, Faeger operates as the country's leading project developer, implementing large-scale AWD projects in rice paddies nationwide. Its unique model commits to full credit buy-back, eliminating inventory risk for producers.
- Internationally, Faeger is implementing AWD-JCM projects in the Philippines and Vietnam.

Sagri Co., Ltd. (Head Office: Tamba city, Hyogo)

Features

Sagri applies machine-learning to agricultural big-data, combining satellite imagery with ground-truth field data.

Our strength is turning data analytics and agronomic know-how into practical solutions.

Technologies and Services

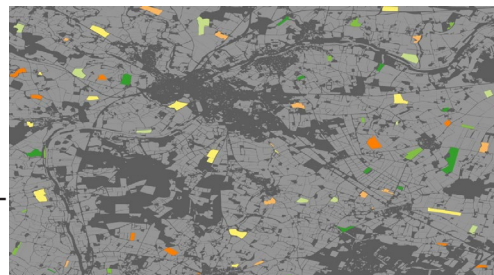
- Automatic generation of farmland polygons (AI Polygon)
- Surface-soil analysis (Digital Soil Map)
- Water-management analysis in rice paddies

Future developments

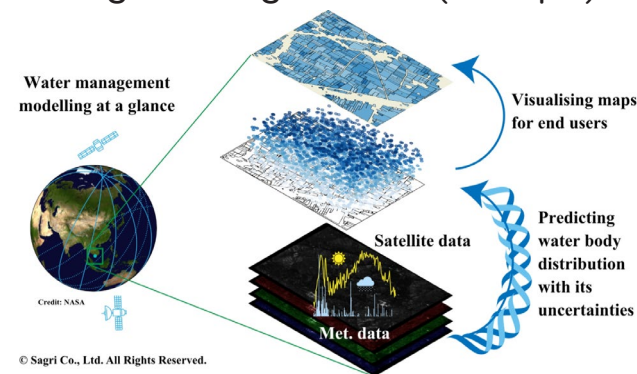
- We promote satellite data and process-based models so they can be integrated into carbon-credit methodologies—such as AWD and biochar—across diverse agricultural landscapes.
- We also seek stronger collaboration with both private-sector and public institutions overseas.

Major Efforts

- Water-management monitoring in paddy fields (Japan, Thailand)
- AWD demonstration projects (Philippines, Vietnam, Cambodia)
- Farmland-management improvements & voluntary-credit generation (Vietnam)
- Soil-organic-carbon monitoring for large farms (Europe)



Soil-organic-carbon density estimation
(promoting carbon farming)



Water level analysis of paddy fields

For inquiries,
please contact

Inquiry form: <https://sagri.tokyo/contact/>

TOWING Co., Ltd. (Head office: Nagoya city, Aichi)

Features

Utilizing its technology for efficiently cultivating soil microorganisms, TOWING is developing a high-performance biochar called "Soratan," made by cultivating soil microorganisms within a biochar. "Soratan" is being deployed in various countries as a soil improvement material that can both store carbon and reduce chemical fertilizers, thereby promoting usage of organic fertilizer

Technologies and Services

- Sale of Soratan as a soil improvement material
- Issuance and sale of carbon credits in Japan for the introduction of Soratan and other biochar on farmland

Major Efforts

- Introduction to more than 600 production sites in 43 prefectures in Japan
- Demonstration of sugarcane, coffee, tomatoes, etc. in Thailand, US, Mexico, and Brazil



Soratan



carbon credit
creation and
sales in Japan



Examples of
cultivating
Organic
farmland in
Japan



Field trial in
Thailand

Future developments

- Conducting demonstration and cultivation tests with research institutions in various countries, aiming to construct Soratan production plants in partner countries.
- Aim to establish business that enables the introduction of Soratan to large-scale farmland and the carbon insetting of crops in collaboration with food and beverage companies.

For inquiries,
please contact

TEL: 052-753-6332

MAIL: info@towing.co.jp

Sakanotochu Ltd. (Head office: Kyoto city, Kyoto)

Features

Sakanotochu is trading coffee green beans produced in agroforestry and other environmentally friendly agriculture from 34 countries including those in Asia, Africa, Central/South America, and the Pacific. Imported specialty coffee is sold to coffee roasters mainly in Japan, along with the stories of the production areas and producers.

Technologies and Services

- Biochar utilizing coffee residue
- Agroforestry (forestry farming)



Biochar made from coffee husks



Coffee production in the forest without deforestation

Future developments

- Aims to promote demonstration of biochar utilization mainly in Asia, but also in Africa, Central/South America, and the Pacific.
- Aims to quantify the reduction of GHG emissions through agroforestry and visualize the environmental impact.

Major Efforts

- Coffee husks are converted into biochar in Laos and Indonesia and utilized for soil amendment and carbon sequestration.
- Promotion of environmentally friendly agriculture through agroforestry in coffee-growing areas.
- Promotion of environmentally friendly coffee production in cooperation with international organizations such as UN agencies.

For inquiries,
please contact

TEL: 075-205-5380

MAIL: umi@on-the-slope.com

Agriculture

Livestock

Forestry

Fisheries

NEWGREEN. inc (Head office: Koganei city, Tokyo)

Features

NEWGREEN' s corporate philosophy is to connect Japanese agriculture to the global environmental market, focusing on R&D and Manufacturing of Aigamo-robo, sales of agricultural materials for direct seeding in dry rice paddies, purchase and sales of organic rice, and production and sales of processed organic rice products, mainly porridge for kids.

Technologies and Services

- GHG emission reductions by Aigamo-robo
- GHG emission reductions by direct seeding in dry rice paddies
- ※Both are under development by MAFF projects



Smart agriculture technology development and Supply acceleration measures contributing to GHG reduction, etc.

Major Efforts

- Meeting with the Minister of Agriculture and Rural Development of Vietnam, GHG reduction effect of Aigamo-robo verified in JICA' s survey
- Joint research on Aigamo-robo with PhilRice of the Philippines



Meeting with Vietnamese Minister of Agriculture and Rural Development in April 2024

Future developments

Social implementation of carbon offset trading with European countries that also enhancing biodiversity and reduction of pesticide consumption by utilizing Aigamo-robo & water management systems & the BASF cultivation monitoring system.

For inquiries,
please contact

TEL: 080-1608-8749 MAIL: tetsuya_nakamura@shonai.inc

National Agriculture and Food Research Organization (NARO)

Features

NARO is the largest research organization in Japan and promotes research and development, practical application, and commercialization in the fields of agriculture and food industries.

In collaboration with private companies and JIRCAS, NARO is advancing the deployment of agricultural decarbonization technologies across Asia through three key pillars of "technology development", "international standardization", and "dissemination activities".

Technologies and Services

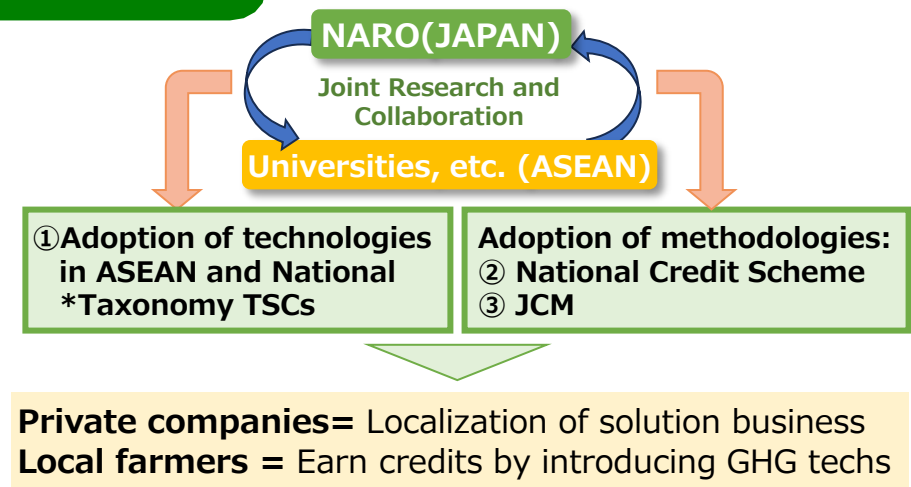
Agricultural decarbonization technologies in the practical stage are being deployed.

- **Methane emission reduction from paddy fields:**
Alternate Wetting and Drying (AWD),
Prolonged mid-season drainage
- **CO₂ Sequestration using Biochar:**
Biochar production and application technologies,
visualization of CO₂ sequestration
- **Reduction of livestock-derived GHGs:**
Amino acid balanced feed, Cashew Nuts Shell Liquid

Future developments

Collaborate with private companies and other stakeholders to promote the adoption of these initiatives into ASEAN and national taxonomies, as well as to develop their methodologies based on the J-Credit scheme. At the same time, promote technology transfer through local workshops, and actively engage in dialogue and coordination with governments, research institutions, and farmers across Asia.

Main Initiatives



*Taxonomy TSC: Technical Standard Criteria for Sustainable Economic Activities

For inquiries,
please contact

Inquiry form: <https://www.naro.go.jp/inquiry/>

Japan International Research Center for Agricultural Sciences (JIRCAS)

Features

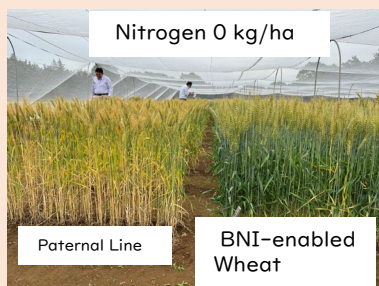
Focusing on tropical and subtropical regions, JIRCAS conducts international collaborative research and supporting activities for utilizing research results, aimed at reducing poverty, ensuring food security, and solving environmental problems.

Technologies and Services

- "Technology Catalog Contributing to Production Potential and Sustainability in the Asia-Monsoon Region", featuring 40 technologies
- BNI-enabled wheat
- Intermittent irrigation (AWD)
- Multi-Biomass Treatment Process
- Microbial saccharification

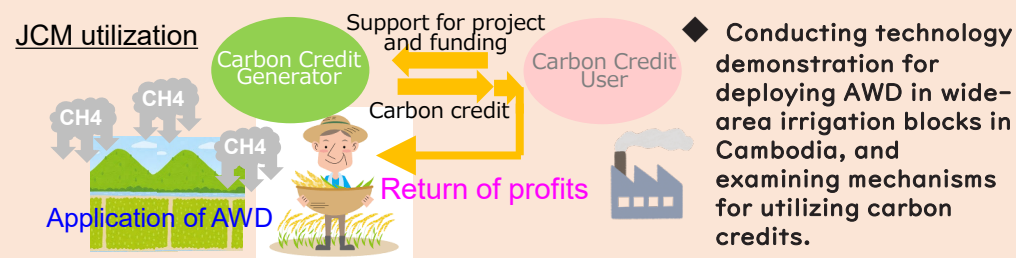
Major Efforts

- Disseminating Japanese technology at high-level meetings, such as those held in the Asia-Monsoon region, COP, and G20 in collaboration with international organizations and research institutions from various countries.
- Deployment of BNI-enabled wheat in India, Nepal, and Japan.
- Providing technical advice to develop a JCM methodology for methane emission reduction in rice cultivation using AWD in the Philippines.
- Pelletization of diverse unused biomass types from the oil palm industry in Malaysia
- Development of a low-cost, high-efficiency microbial saccharification technology for cellulose-rich agricultural residues in Thailand



BNI-enabled wheat can achieve 60% reduction in nitrogen fertilization while maintaining the same yield as the parent variety, which also leads to N_2O reduction. The BNI capacity derived from wild wheat can be introduced into various wheat varieties through conventional breeding.

◆ Creation of a mechanism to return profits from carbon credits to farmers



Future developments

Promoting technology in collaboration with international organizations, disseminating BNI-enabled wheat and technology deployment and support for domestic companies through the JCM platform led by JIRCAS, and dramatic improvement in energy recovery efficiency and reduction of greenhouse gas emissions.

For inquiries,
please contact

Inquiry form: <https://www.jircas.go.jp/ja/form/inquiry>

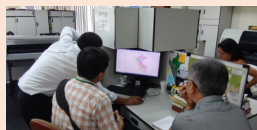
Forest and Forest Products Research Institute (FFPRI)

Features

The Forest and Forest Products Research Institute is a research institute that contributes to the improvement of forest related technology, the promotion of forestry, and the maintenance and enhancement of the forest ecosystem services by conducting research on forests and forestry, producing and distributing high-quality seedlings of forest trees, and reforestation efforts.

Technologies and Services

- Reducing Emissions from Deforestation and Forest Degradation in developing countries (REDD+)
- Research and survey on knowledge and technologies that can be applicable for Ecosystem-based Disaster Risk Reduction(Eco-DRR).

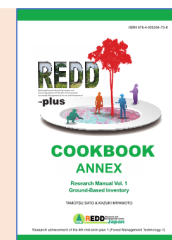


Ground survey and satellite image analysis

Major Efforts and Specific Examples of Efforts

- Compact technical manuals (COOKBOOK) are created and published to provide knowledge and information for technical staff to use in the field.

REDD+ and Eco-DRR COOK BOOK



Future developments

Through the dissemination of the COOKBOOKs, it provides technology for private companies and others to conduct forest conservation activities in developing countries. In particular, the REDD-plus COOKBOOKs are available in four languages and are effective for consensus building in the field.

For inquiries,
please contact

TEL: 029-829-8110

MAIL: red_f-drr_rdc@ffpri.go.jp

Japan International Forestry Promotion and Cooperation Center (JIFPRO)



Features

Since its establishment in 1991 as an international forestry cooperation center, JIFPRO has conducted various surveys and research on tropical forests, dissemination on forest reforestation techniques, capacity building activities, and reforestation projects with donations from private companies. In recent years, JIFPRO has been supporting private companies in generating carbon credits from the forestry sector.

Technologies and Services

- Technical support for carbon credit in the forestry sector
- Examination of the applicability of products and technologies of private companies to reforestation and forest conservation
- Implementation of reforestation projects in developing countries

Major Efforts and Specific Examples of Efforts

- Technical development and dissemination of "long-rooted seedlings" designed for restoration in semi-arid areas of Myanmar and Kenya (Forestry Agency-subsidized project)
- Technical support for carbon credit project involving mangrove conservation and reforestation in Indonesia (project commissioned by the private sector)



Cinnamon plantation in Vietnam



Development and dissemination of long-rooted seedling technology



Participatory monitoring by local residents



Research on carbon fixation in mangrove forests

Future developments

Support the formation and operation of forest sector projects (REDD+ and reforestation) funded by private companies toward achieving carbon neutral.

For inquiries,
please contact

TEL: 03-5689-3450 MAIL: jifpro@jifpro.or.jp

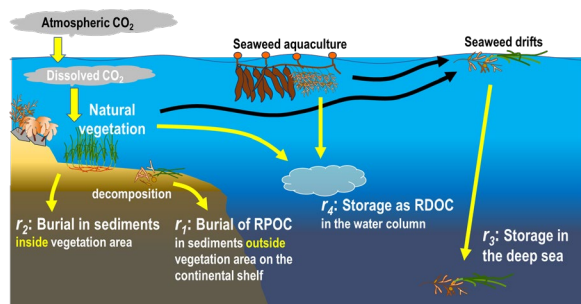
National Research and Development Agency, Japan Fisheries Research and Education Agency

Features

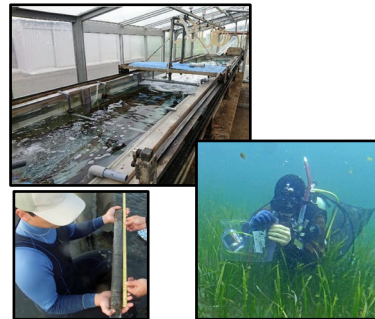
In order to contribute to the consistent supply of fishery products and the sustainable development of the fisheries industry, Japan Fisheries Research and Education Agency (FRA) continue activities based on the fundamental principle of promoting research and development and human resource development in the fisheries field, maximizing the results of research, and giving back to society.

Technologies and Services

Method for calculating CO₂ sequestration of blue carbon (seaweed and seagrass beds)



Calculation methods for Carbon storage



Measurement technology related to Carbon storage

Future developments

Reforestation, afforestation, and restoration of seagrass & seaweed beds are important for increasing the capacity of CO₂ sinks, but over herbivory of vegetation is becoming more serious in many parts of the world. We are considering integrated technologies of forestation with herbivory countermeasures.

Major Efforts and Specific Examples of Efforts

Initiatives of Japan Fisheries Research and Education Agency



The following information is available from the FRA website.
"Guidebook for Calculating CO₂ sequestration by seagrass and seaweed beds" (Left: general methodology, right: field survey, in Japanese).



For inquiries,
please contact

MAIL : [fra-rsd-q\(at\)fra.go.jp](mailto:fra-rsd-q(at)fra.go.jp)

* Please change (at) to @.