

Japanese Government Event – Bluecarbon Actions in Japan

October 2nd, 2024



Overview of Bluecarbon Actions in Japan

Okano Shohei,

Deputy Director, Decarbonized Society Promotion Office

Global Environmental Bureau

Ministry of the Environment, Japan



Seaweed and Algae in Japan

- Seaweed has been consumed as food for a long time.
- Used for paying national taxes (8th century).
- Dried seaweed, Nori, became popular among people (17th century).



Source: Website of Chiba Prefecture Nori Wholesalers Cooperative URL: <https://chibanori-tonya.com/nori/history/>

Hot Alcohol, sake

Dried Seaweed

Seaweed and Algae in Japan

- About 1,500 species of seaweed grow in sea around Japan.
- 50 of them are consumed as food.



Kelp (brown algae)



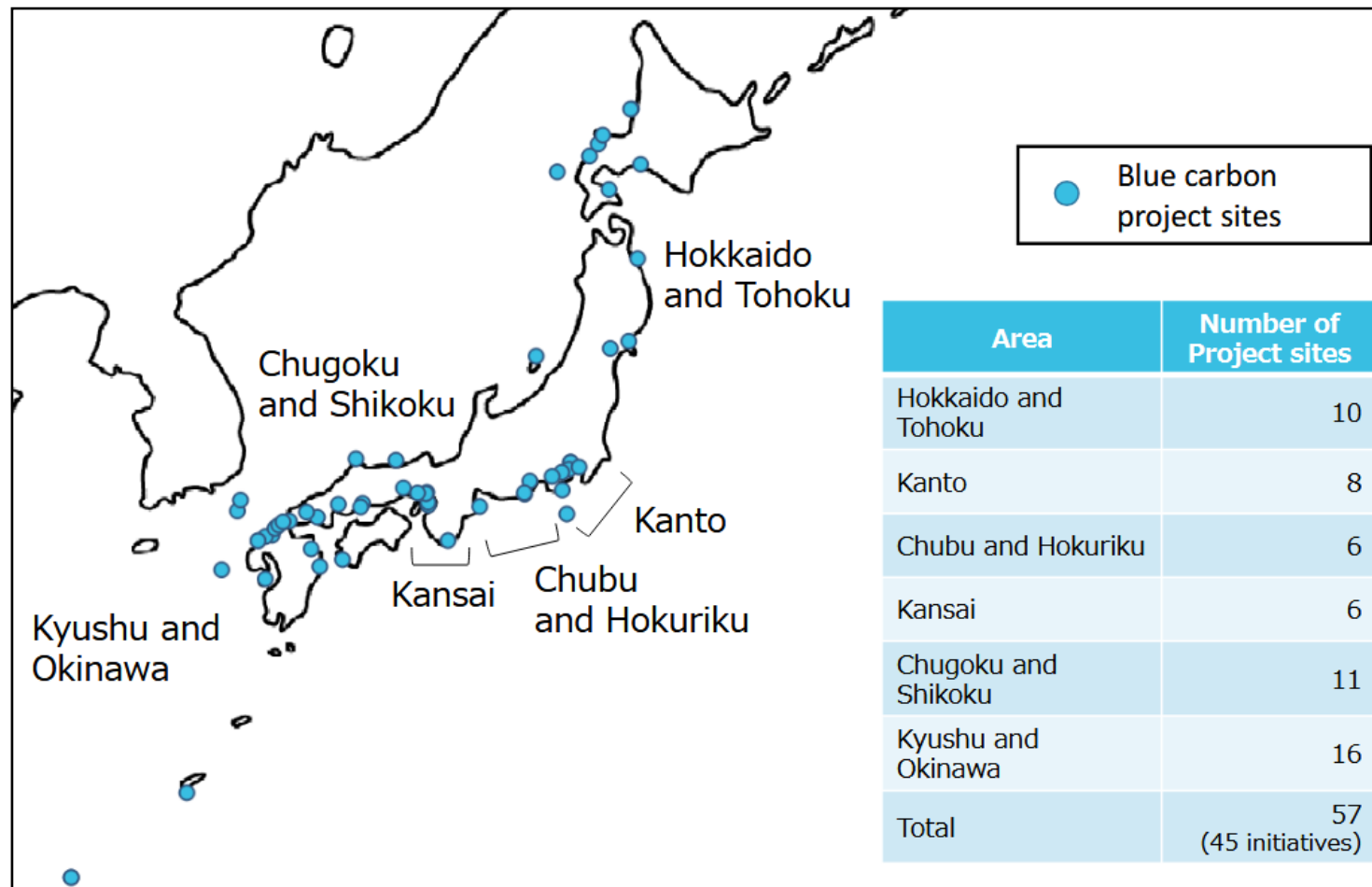
Green laver (green algae)



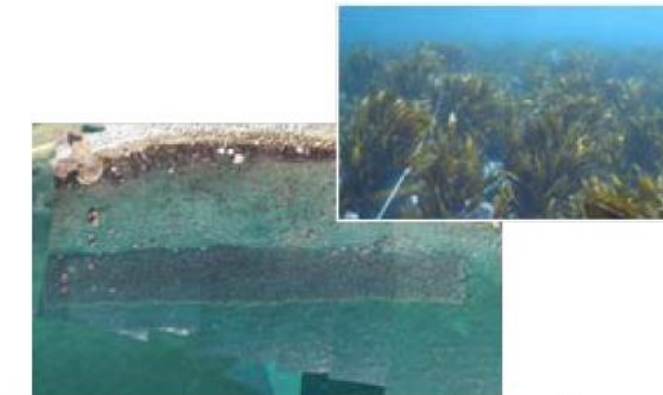
Seaweed with its zoospore

Seaweed and Seaweed in Japan

- Conservation/recovery of seagrass meadows and seaweed beds are being implemented by local people/business/fishermen.



Source: Case Study on Blue Carbon Initiatives in Japan, MOEJ



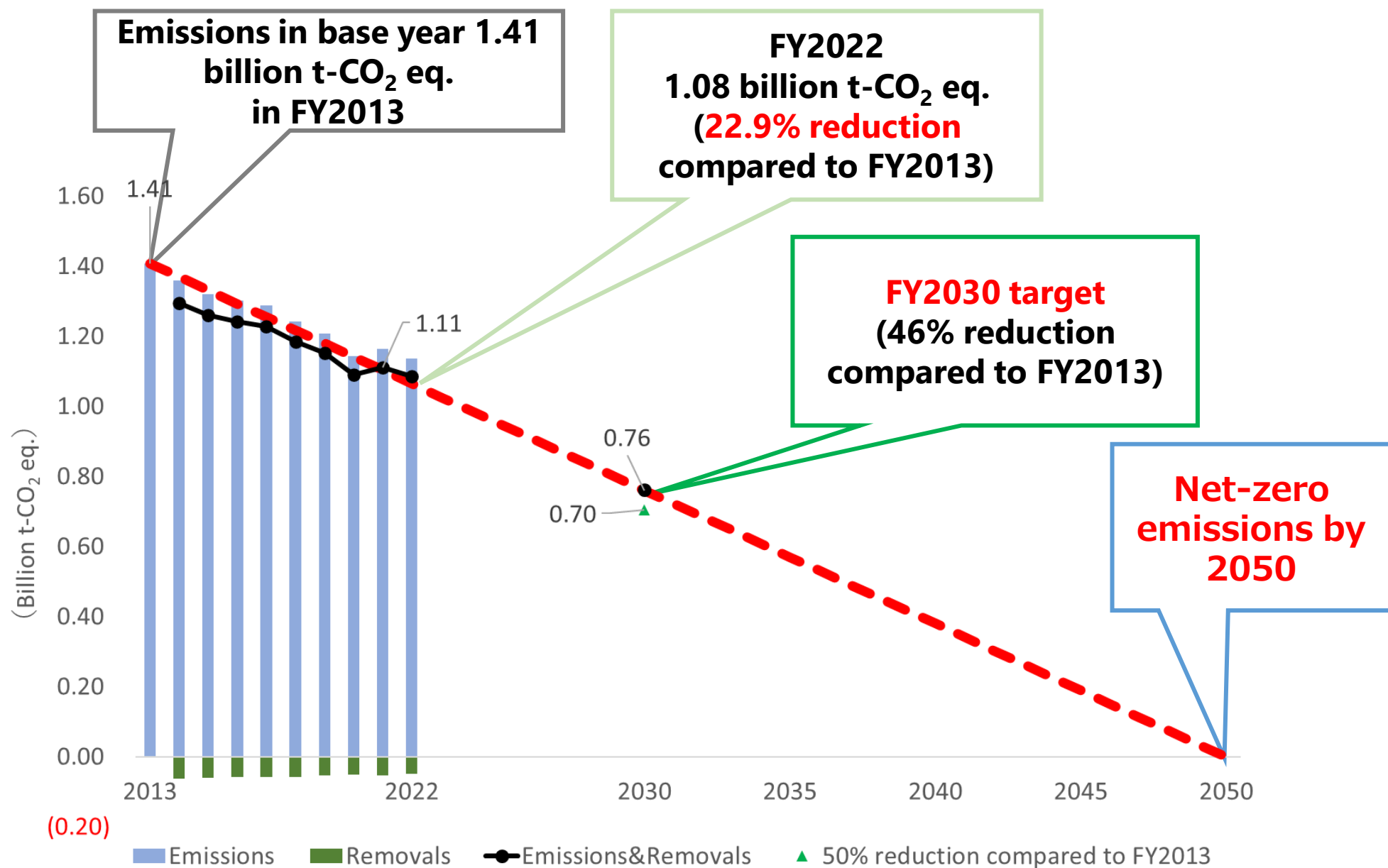
Marine algae flourish after seaweed bed creation (black-colored part)



Preservation of seaweed beds (removal of sea urchins)

Source: Fishery annual report 2021, Ministry Agriculture, Forestry and Fishery

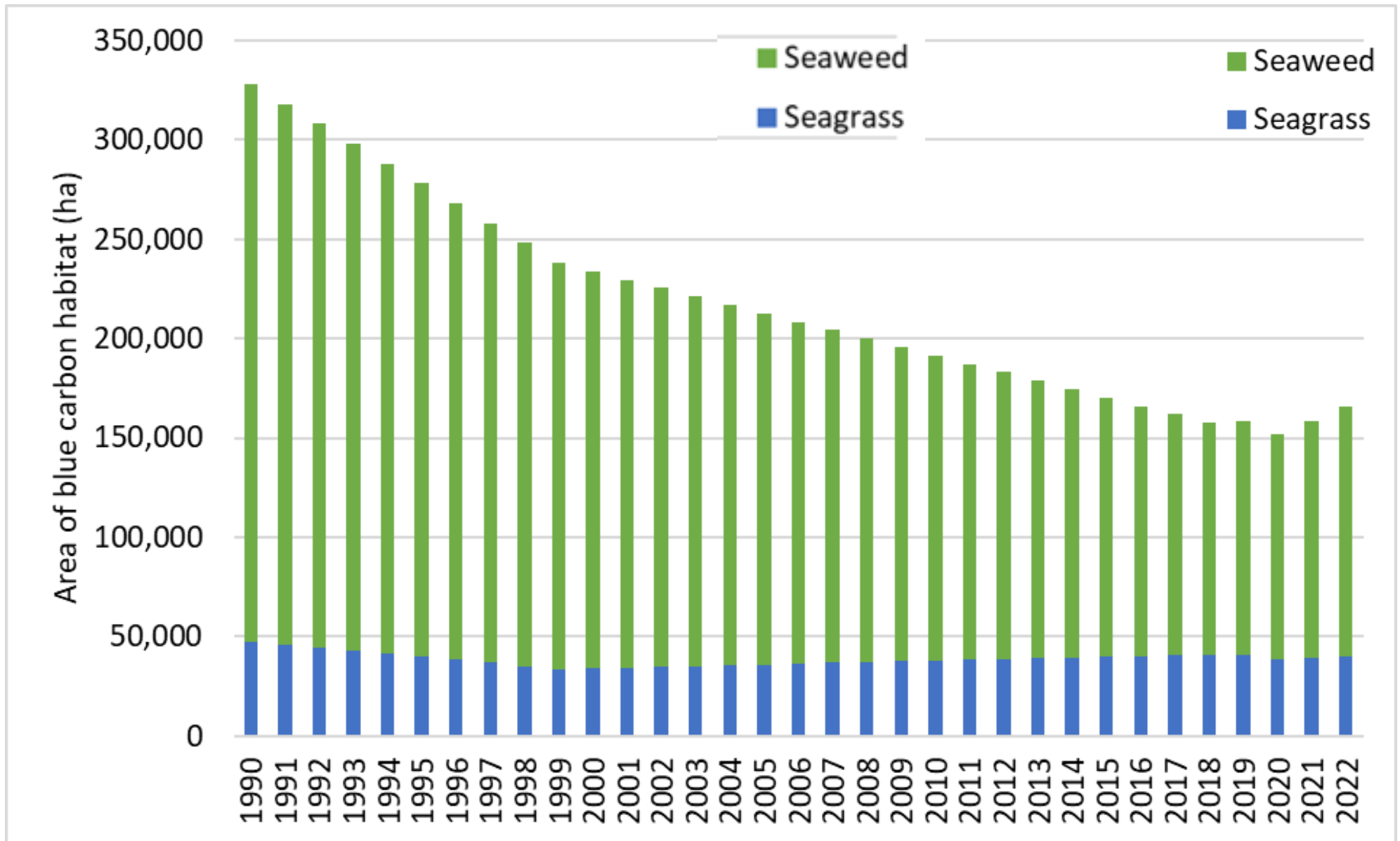
Japan's Medium- and Long-term Targets for GHG Reduction



<Source> Ministry of the Environment of Japan

Seaweed and Algae in Japan

- Size of seagrass and seaweed area is decreasing, 160 kha in 2022.



Data: GHG inventory of Japan 2024

Overview of Blue Carbon Activities in Japan

- Local action is supported by various organizations, because it has **multiple benefits** such as biodiversity conservation, regional development, and environmental education.
- **GHG Inventory** gives those action **scientific basis**.

Financial/Tech Support

■ "Creating Satoumi* Model Project":
MOEJ has selected **41 projects** and financially supported since 2022.

*Marine and coastal environment along with human settlements

■ **MAFF*** supports local actions. In FY2021, **>400 organizations**, **>58 kha** seaweed beds or tidal flats.

Law/Vision

■ **Law** for the Promotion of Activities to Enhance Biodiversity in Local Communities.(in 2024)

■ **Future Vision** of Seaweed Beds and Tidal Flats (Fisheries Agency, revised in 2023)

Carbon Credit

■ **J Blue Credit®**: operated by Japan Blue Economy association (**JBE**), which was authorized by **MLIT**.

GHG Inventory

■ **Mangroves** are Reported in April 2023
■ **Seagrasses/Seaweeds** are Reported in April 2024

Local Action

- **Conservation** activities
- **Creating** seaweed
- **Environmental education**

Inter-Ministry / International Cooperation

■ **Blue Carbon Liaison Council** with relevant ministries to share information on initiatives by private sector and ministries.
■ **MOEJ** became a member of **International Partnership for Blue Carbon (IPBC)**.

Multiple Benefits

■ Biodiversity ■ Water Quality ■ Tourism ■ Landscape
■ Fisheries ■ Education ■ Food ■ Biofuel
and ■ Climate Change Mitigation...etc.