

# Introduction of "MobaDAS"

- A Tool Designed to Propose Suitable Locations for  
Creation of Coastal Blue Carbon Ecosystems -



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**NAKAGAWARA Hiroaki**

International Environment Dept./ Private Sector Consulting Office, Nippon Koei Co., Ltd.

# What is MobaDAS ?

## Main Entities of Coastal Blue Carbon Ecosystems Creation

Private companies, local governments, and fisheries cooperatives

Aiming to develop more feasible plans for creating coastal blue carbon habitats!

- ✓ **Insufficient access to environmental information** related to the growth of blue carbon habitats
- ✓ **Uncertainty** about whether an area is **suitable for the growth of blue carbon habitats**

Proposed System  
**【 MobaDAS 】**  
Moba Data Acquisition System



**Easier Access!!**



**Assessing the Potential!!**



**Getting the Comprehensive Env info.**

Creating Coastal Blue Carbon Ecosystems

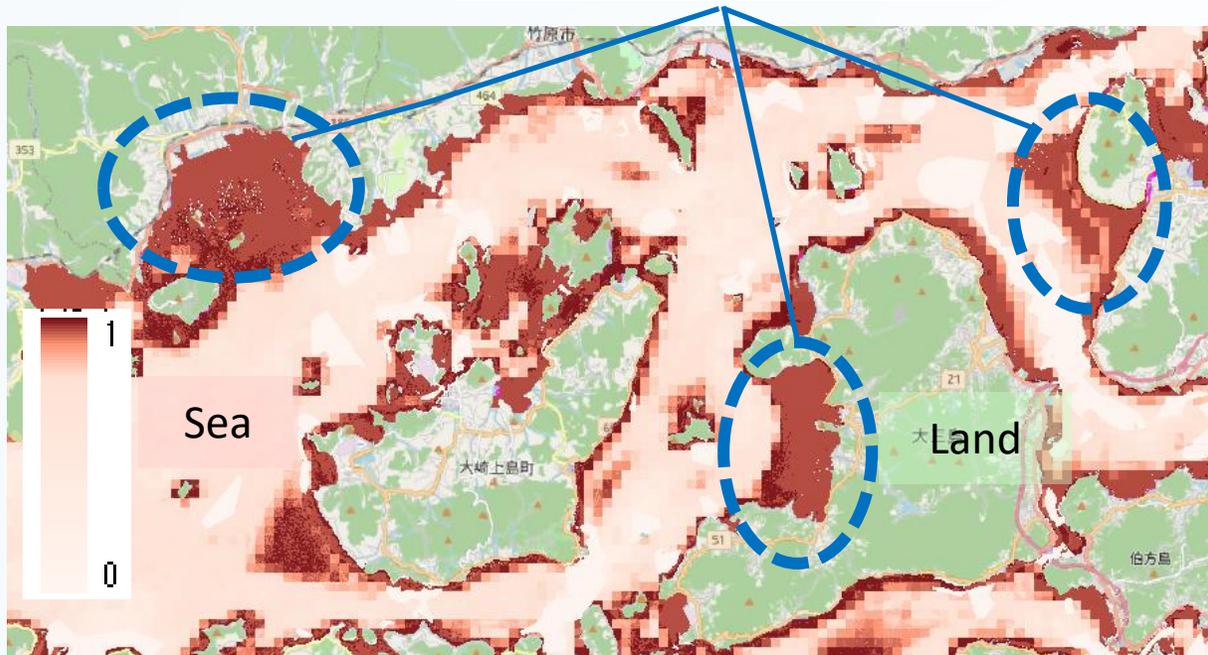
Realizing Abundant Oceans  
Decarbonized Society



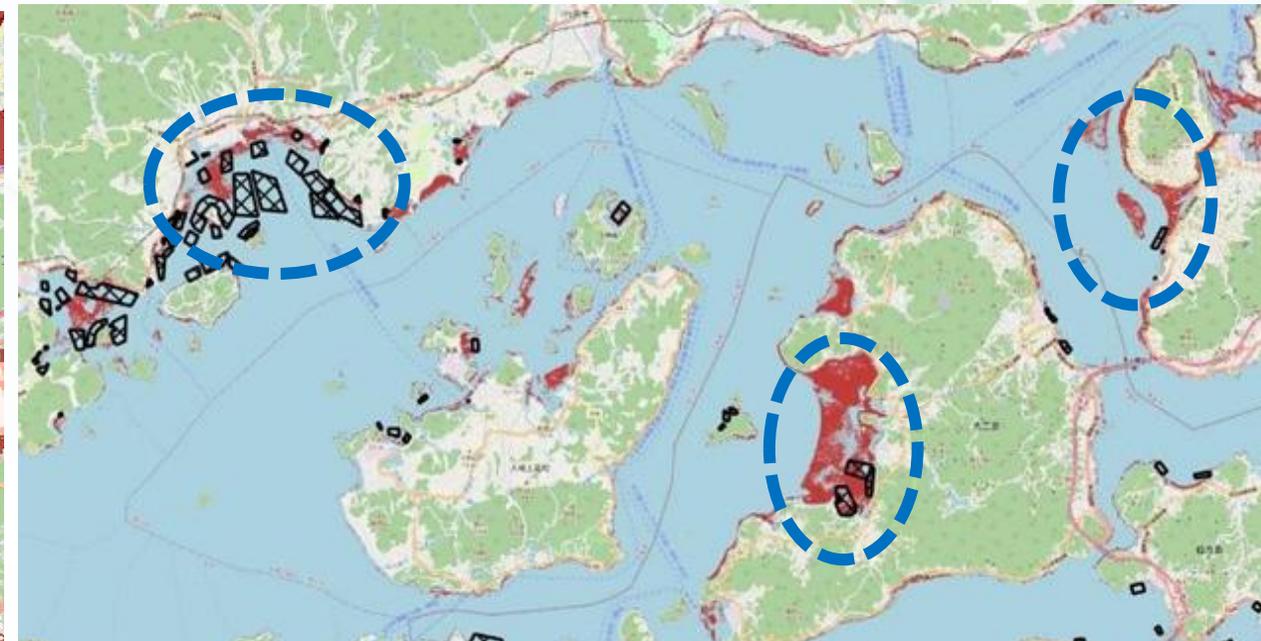
# [Trial: Sea Grass Beds] Seto Inland Sea

## <Estimated Results>

High Potential



## <Actual Distribution>



-  Zone for Demarcated Fishery Rights
-  FY2023: Distribution of Sea Grass Beds

出典：令和4,5年度瀬戸内海における藻場・干潟分布状況調査結果

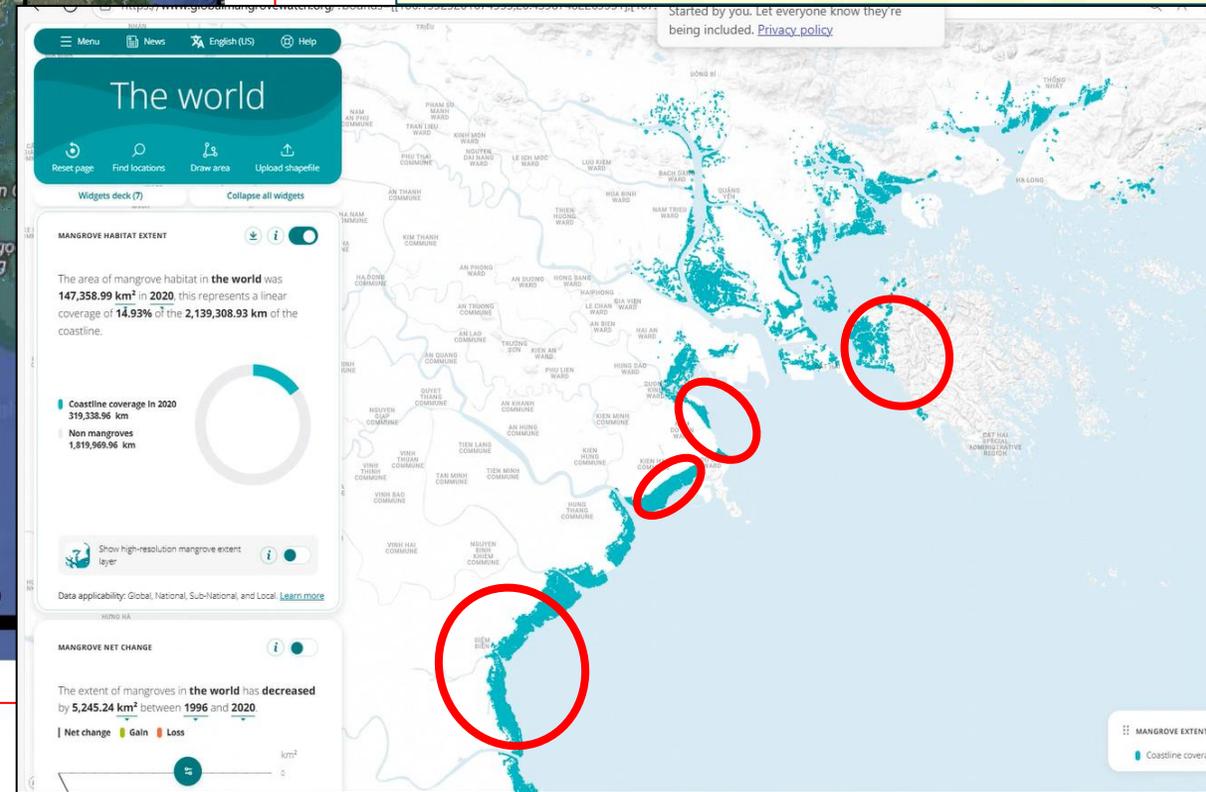
# <Trial: Mangrove Forests> Haiphong, Vietnam

## HSI Result Map (Trial)

$$HSI = \sqrt[n]{SI1 \times SI2 \times \dots \times SIn}$$

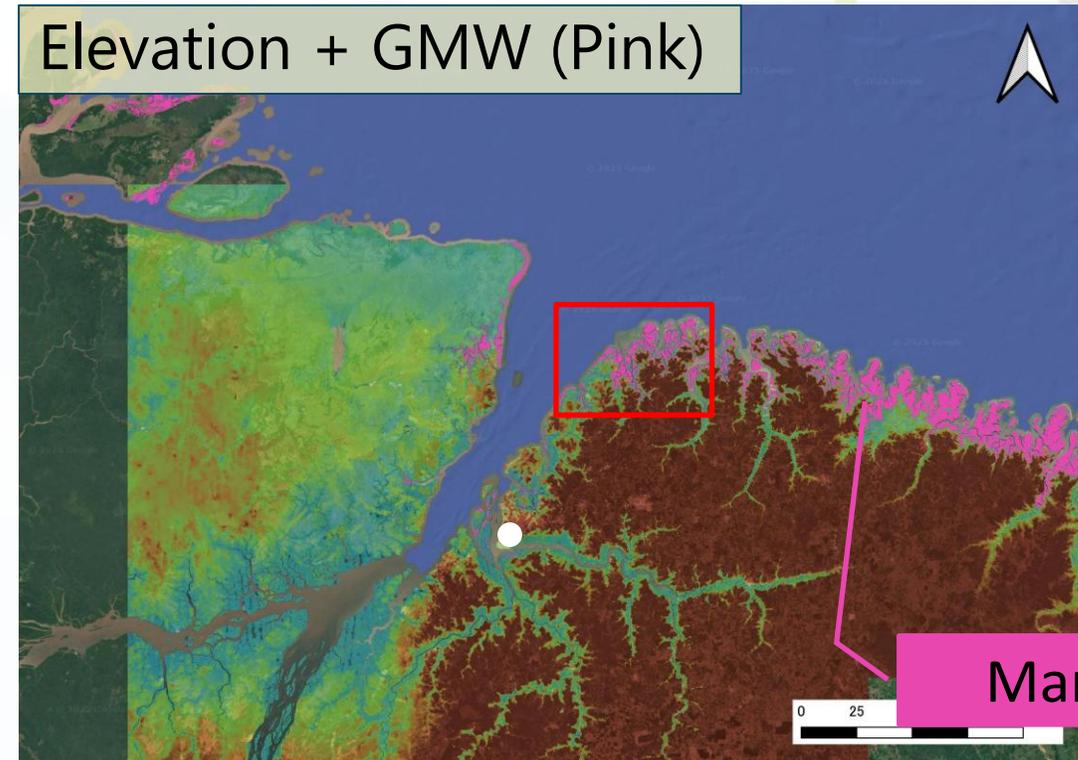
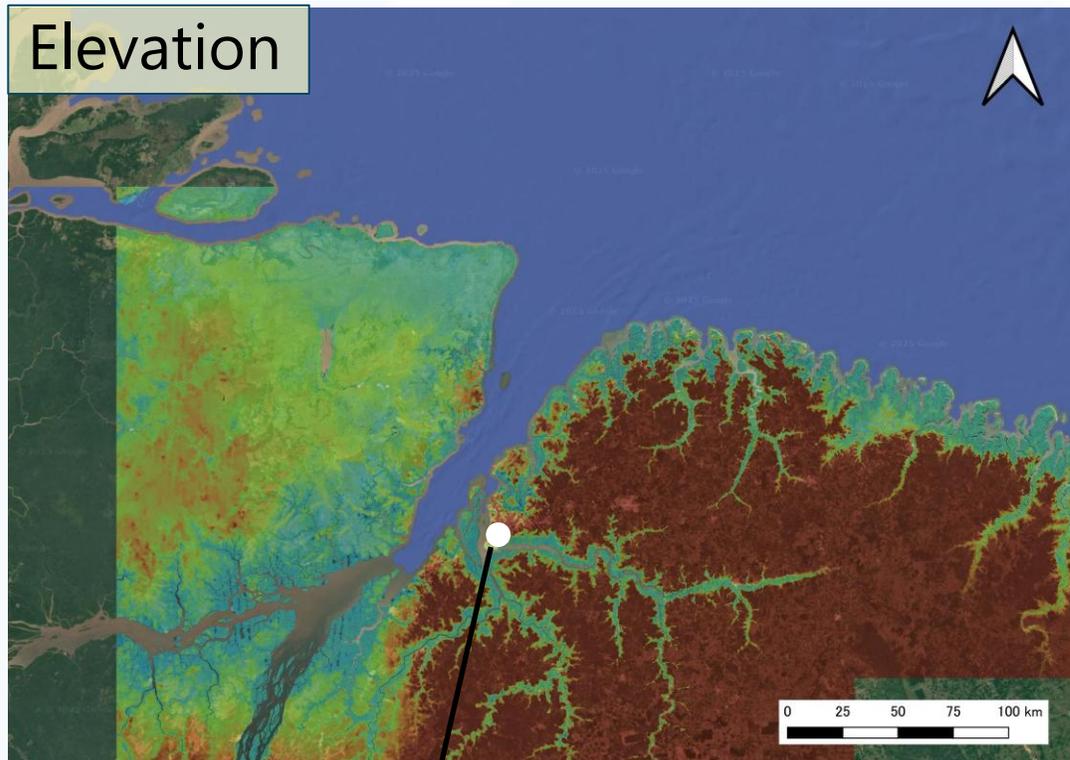


## Global Mangrove Watch



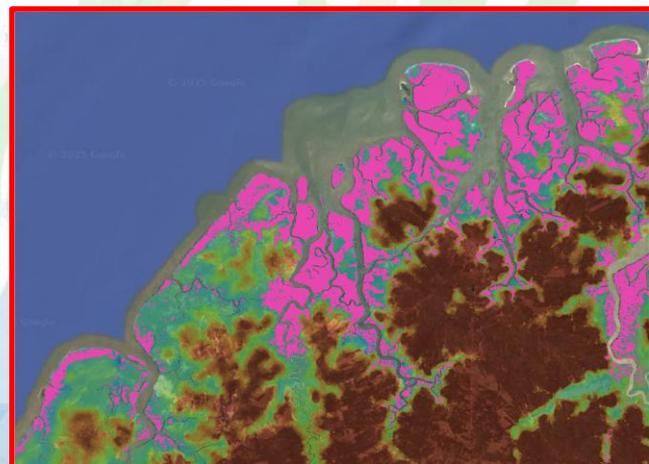
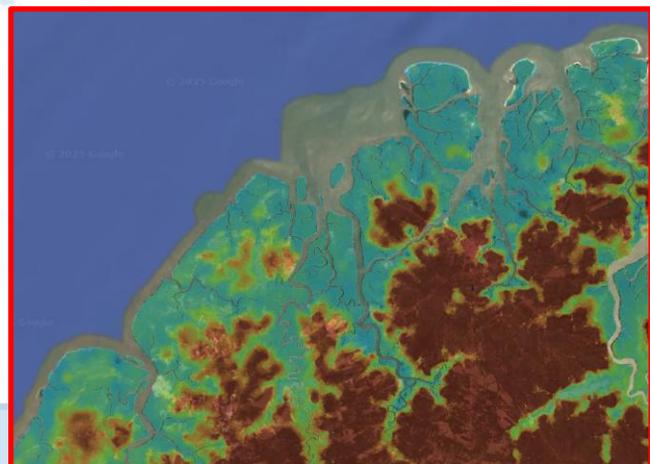
Source: Delta DTM (elevation), Global Mangrove Watch (2020), etc.

# <Trial: Mangrove Forests> Baía do Marajó, Belém NIPPON KOEI



Belém

- On the eastern side, mangroves are widely distributed across the low-lying coastal areas.
- While, on the western side, even in low-lying areas, the extent of mangroves is limited.





*Obrigado pela atenção!*