



# Carbon Zero Seaweed Town

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## Global Project

Name

Affiliation



“건강海요, 깨끗海요 대한민국 청정바다”



Korea Algae Industry Development Association

# International Conference on Sustainable Seaweed Industry for Blue Carbon

Sustainable Seaweed Industry for Blue Carbon

4. 14 –17, 2017

Wando oneness resort,  
Wando, Korea

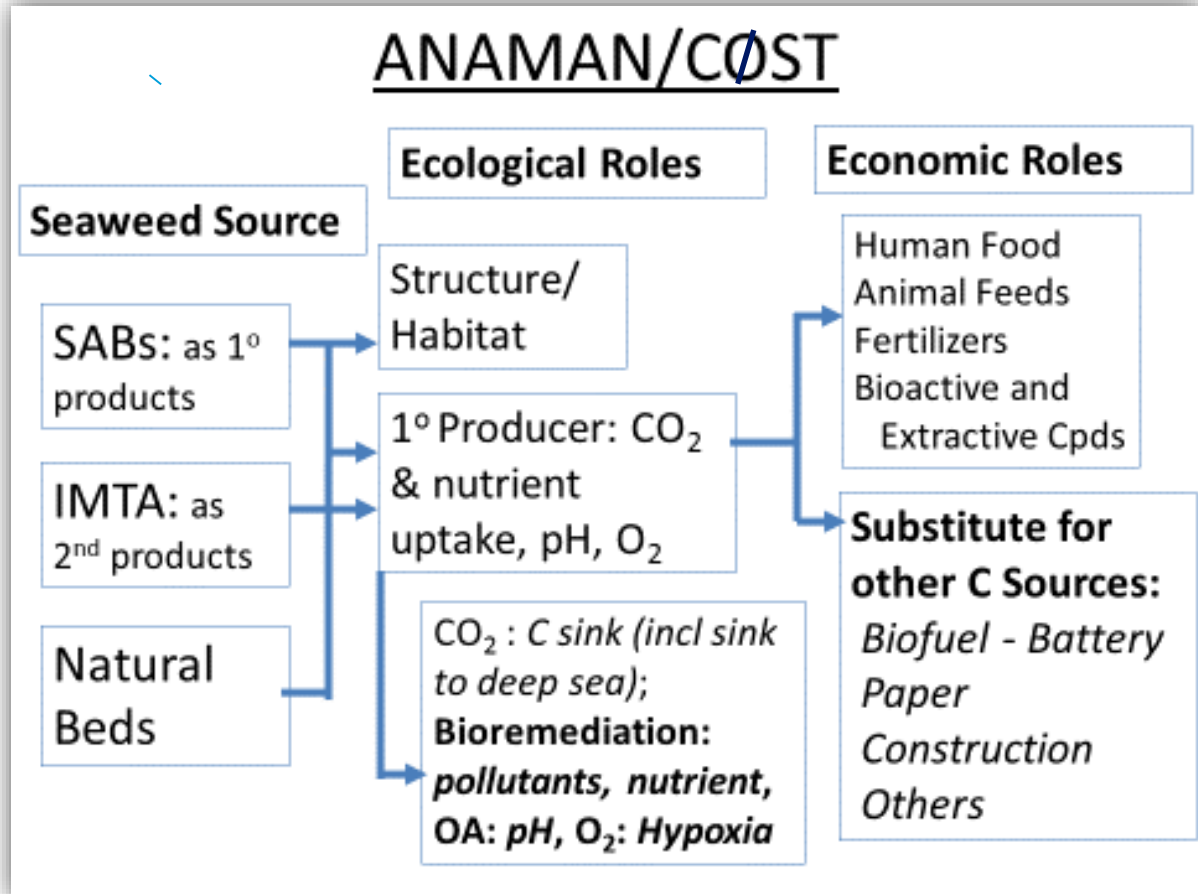
Venue

Wando oneness resort, Wando, Korea





# Seaweed Solution





## Wando CØST

- It is the time to go beyond sustainable development to achieve low carbon green growth. We propose to build a **net zero carbon emission community** with **seaweed-based mitigation and adaptation measures**. Here we declared the initiation of the **Wando Carbon Zero Seaweed Town Project** (hereafter **CØST**) during the Second Wando Seaweed Expo on April 14, 2017 at the Wando Province, Home of Seaweed in Korea.





## Wando CØST (continued)

- Under the Wando **CØST** we manage a **carbon neutral community** by **maximizing the ecosystem services** provided by **seaweeds** and other **renewable ocean energy options** as solutions of the NDC option for **all seaweed-loving countries**.
- This project provides **sustainable mitigation and adaptation solutions** in the context of climate change and creates the **new green jobs and revenues**.
- As the Paris Agreement adopted the **Nationally Determined Contributions (NDC)**, which gives opinions of each country with a bottom-up goal setting method and a policy progress report every five years, a new additional paradigm in the NDC business in the **ocean**.



# Principle Action Plans:

- **Preserve Natural Seaweed Community**
  - establish a Visitor Centre for community education
  - exhibits of seaweed species, products, etc.
  - In the future can establish a Seaweed Research center, where visiting scientists can carry out short-term research, etc; for scientist-industry linkages.
- **Establish Seaweed Aquaculture Beds (SABs)**
  - integrate with aquaculture of fish & shellfish? - **IMTA** system for multi-products and environmental management)
  - **Seaweed Carbon Capture and Sink (Seaweed CCS)**
- **Develop Seaweed biofuel technology: BE CCS**

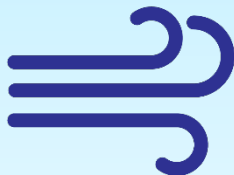




# Subsidiary Action plans



**Solar energy**



**Ocean Energy**

- wind mill,
- wave energy, etc

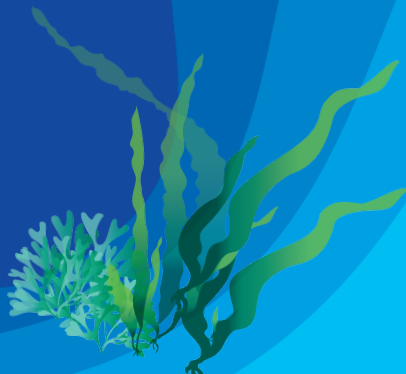


**Algae Fuel Cells**



anmam

Asian Network of Algae as  
Mitigation & Adaption Measures





## Korea-ASEAN Network (2014, 2015-16)



**The 3rd Korea-ASEAN International Workshop - Climate Changes, Seaweed and CO<sub>2</sub> Sequestration  
Ocean Acidification and Seaweed Adaptation  
February 20-21, 2016, Kuala Lumpur, Malaysia**





# Seaweed Solution and Carbon Zero Seaweed Town (CØST) with Asian Network of Using Algae as Mitigation and Adaptation Measure (ANAMAM)

Pusan National University   Ik Kyo CHUNG  
Inje University   Jin Ae LEE



## NEGOTIATIONS

### Meetings

#### [Side Events & Exhibits](#)

[COP 23/CMP 13/CMA  
\(Entities without obser  
status\)](#)

[COP 23/CMP 13/CMA  
\(Parties and observer  
organizations\)](#)

[Personal account](#)

[Side events schedul](#)

[List of exhibits](#)

[Archive](#)

[SB 46 Mini side event  
\(NEW\)](#)

[SB 46 Side events & e](#)

[SBSTA Virtual Platform  
Exchange with Observ](#)

[UNFCCC Calendar](#)

[Rio Conventions Calendar](#)

[Webcast & Videos](#)

### Documents & Decisions

### Bodies

## PROCESS

### Essential Background

### Kyoto Protocol

### Cooperation & Support

The Carbon Zero Seaweed Town (CØST) Project from PNU/MRI builds carbon-neutral communities based on seaweed solutions and other renewable ocean energy options. It provides sustainable mitigation and adaptation measures within the context of climate change and creates new jobs and revenue.

### Exhibit(s)

Preferred duration	Scheduled	Theme	Thematic categories	Status	Attachments	Action
Monday, 06 November, 2017 - Saturday, 11 November, 2017	Pending	The Carbon Zero Seaweed Town (CØST) Project from PNU/MRI builds carbon-neutral communities based on seaweed solutions and other renewable ocean energy options. It provides sustainable mitigation and adaptation measures within the context of climate change and creates new jobs and revenue.	<b>Adaptation</b> Sinks, forests, oceans	Waiting for authorization		[Communicate with the secretariat]

[Click to create an exhibit application](#)





thankYOU