



WHAT'S COOKING?

Seaweed as a Sustainable Solution for a Livable Planet:

Perspectives from Republic of Korea on the Environmental Benefits of Seaweed

Wednesday, July 17, 2024 | 6:00-7:30 a.m. EST (Washington, D.C.), 7:00-8:30 p.m. KST (Seoul)

10-11:30 a.m. GMT (London) |

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[Webinar registration](#)

(For External Participants)

[Please Add to calendar](#)

Connection Details

<https://worldbankgroup.zoom.us/j/92142565320?pwd=b7jwqOhaNzSOsVzFi2wjb4V8eEUJga.1>

Meeting ID: 921 4256 5320

Passcode: 92142565320

Seaweed covers around 3.4 million square kilometres of ocean area worldwide and stores an estimated [175 million tons](#) of carbon annually – equivalent to 10% of the emissions from all cars in the world. To many scientists, seaweed could join the likes of mangroves and wetlands to become [a vital tool in climate change mitigation efforts](#).

The seaweed industry brims with untapped potential extending far beyond its current uses and contributing to the human diet, aquaculture feed, and hydrocolloid thickening agents. [The World Bank estimates growth potential could be as much as US\\$11.8 billion by 2030](#).

In this webinar, experts from the Republic of Korea will share perspectives on the country's highly successful seaweed industry and potential environmental benefits, providing examples of how seaweed can deliver sustainable solutions for a livable planet for future generations.

Joined by speakers from leading research universities and public research think-tanks, this webinar will cover the following topics:

- The role of seaweed in blue carbon storage
- The preservation of ecological diversity of seaweed species
- The role of seaweed forests in blue carbon storage
- [Integrated Multi-Trophic Aquaculture \(IMTA\)](#) technology which integrates seaweed into a [biofloc system to manage water quality](#).

Chair and Moderator

- **Christopher Ian Brett**, Lead Agribusiness Specialist, Agriculture & Food Global Practice, The World Bank

Speakers

- **Jisook Park**, Research Professor, Basic Science Research Institute, Incheon National University
- **Nam-joo Jung**, Marine Fisheries Researcher, Incheon Metropolitan City Fisheries Resources Research Institute

Discussant

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- **Minhye Park**, Executive Director, World Wildlife Fund for Nature (WWF) Korea Office

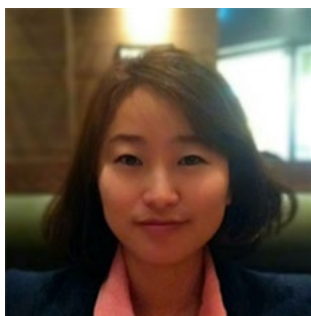
Question and Answer

- **Harrison Charo-Karisa**, Senior Fisheries Specialist (Aquaculture), Environment, Natural Resources & Blue Economy Global Practice, The World Bank
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Speaker Bios



Christopher Ian Brett, Lead Agribusiness Specialist, Agriculture & Food Global Practice, The World Bank
Chris Brett was appointed as the Lead Agribusiness Specialist with the World Bank in November 2016 and joined the Agriculture and Food Global Agricultural Practice, based in Washington DC. He has a master's degree in management for Agricultural Development from Cranfield University in the United Kingdom. He has more than thirty years' experience working within the public private and voluntary sectors in Africa, Asia, and Latin America.



Jisook Park, Research Professor, Basic Science Research Institute, Incheon National University
Dr. Jisook Park is currently a research professor at the Basic Science Research Institute of Incheon National University. Her current research interests focus on seaweed aquaculture, environmental impact assessment, and blue carbon. She collaborates with leading experts in the blue carbon field both in Korea and internationally. Leveraging her expertise in blue carbon, she is engaged in various R&D projects.



Nam-joo Jung, Marine Fisheries Researcher, Incheon Metropolitan City Fisheries Resources Research Institute
Nam-joo Jung is marine fisheries researcher at Incheon Metropolitan City Fisheries Research Institute. He is working as a fisheries and aquaculture researcher in Incheon Metropolitan City after earning a master's degree in marine and fisheries resources from Mokpo National University. He has more than 15 years of experience in fisheries and aquaculture and has been in charge of various types of living things such as abalone, sea cucumbers, webfoot octopus, cuttlefish, spotted sea bass, and Korean rockfish. Recently, based on his experience majoring in seaweed at university, he is working on

basic ecological research of the seaweeds that live off the coast of Incheon and research on the industrialization of seaweed.



Minhye Park, Executive Director, World Wildlife Fund for Nature (Korea Office)

Minhye Park, Executive Director of WWF-Korea, oversees strategic projects in fundraising, marketing communications, sustainability programs, and international collaboration in areas such as the seaweed industry. Before joining WWF, she was a foreign policy researcher at the Korean Consulate in New York and a business development manager at the Korea Health Industry Development Institute in New York. She holds a communications degree from Illinois State University and a master's in international relations from New York University.



Harrison Charo-Karisa, Senior Fisheries Specialist (Aquaculture), Environment, Natural Resources & Blue Economy Global Practice, The World Bank

Dr. Harrison Charo Karisa is a Senior Fisheries Specialist (Aquaculture) at the World Bank Group. He is currently engaged in global efforts of the Aquabusiness Investment Advisory Platform to support governments and private sector to assist aquaculture development, strengthen livelihoods, and enhance food and nutrition security. He Holds a PhD in Animal Sciences (Fish Breeding, Genetics and Aquaculture) from Wageningen University of Life Sciences, in the Netherlands and an MSc in Biodiversity from Swedish Agricultural University, Sweden.

ADDITIONAL RESOURCES

- [AquaInvest Platform](#)
- [AquaInvest Platform Learning Series](#) (registration required)



We look forward to your participation!

For any questions about the event please contact: aquainvest@worldbank.org or vprasad@worldbank.org



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