

Abstract

SESSION 2:

Accelerating Actions for
Sustainable Development and
Climate Change

WORKSHOP 3:

Valuation of Coastal
Ecosystem Services and
Benefits and Coastal Use
Zoning: Tools for Better
Planning and Implementation

Ecosystem Services are Jargons? Challenging Issues in Translating Them into Marine Spatial Policy

**Jungho Nam, Jiyeon Choi, Jeongin Chang,
Hee-Jung Choi, and Jiho Jung**

Korea Maritime Institute
Busan, Korea

Jongseo Lim

Seoul National University



Global societies have witnessed degradation of coastal and marine ecosystems supporting humans' wellbeing for a long time while their actions to care the ecosystems are just starting to be taken. MA (Millennium Ecosystem Assessment) might be highlighted among striving efforts to evade ecological refugees. With evolving ecosystem-based approach, ecosystem services as "the benefits people obtain from ecosystems" is recently being incorporated into our discourse framework. Rocketing number of study on ecosystem services is contributing to architecting legal and institutional mechanisms for application of the services to marine spatial management, but their outcomes are very limited.

Argument has been made among scholars on terminology and methodologies. The term "ecosystem services" is even less familiar to lay people, managers, decision-makers and politicians than "ecosystem". Ecosystem services are not recognized in the common language, but are sometimes considered to be "jargons". It implies that practical application of the ecosystem services to management would be not likely, at least in the near future, to be incorporated into our reality. Global initiatives such as TEEB and IPBES are galvanizing governments and relevant entities into action to build methodological and institutional arrangements. Highly perceived societies on the importance of ecosystem might require more time to welcome service-based managed regime.

Translation of the jargon into "common language" could be a very challenging issue, and consequently, constructing the ecosystem services infrastructure. We identified challenges as follows: development of effective communication, scientific verification on causality between changing ecology and its impact on economy, accumulation of episodic evidences at local level, ecosystem valuation-based BC analysis to heavy conflict issues, informative maps on dynamic of ecological and economic values, minor amendment of laws or policies relevant to spatial management, and enlightenment to leaders or opinion groups, then public at the initial stage.



THE EAST ASIAN SEAS CONGRESS 2015
16-21 November 2015 • Danang, Vietnam

Global Targets
Local Benefits

Setting the Sustainable Development Agenda for
the Seas of East Asia beyond 2015

About Jungho Nam:

Dr. Nam is a member of the National Committee on Coastal Management, and also leading the Marine Ecosystem Service Research Network of Korea (MESN Korea). His researches cover integrated coastal planning, climate change adaptation, marine environment management, marine ecosystem protection, coastal conflict resolution, transboundary marine affairs, ecosystem service valuation and marine science and technology policy.

Having been strongly involved in formulation of marine policies for his government and establishment of legal and institutional mechanisms for sustainable ocean and coasts, Dr. Jungho Nam will discuss, in this presentation, the challenges and issues that come with incorporating ecosystem services into marine spatial policy.