

Abstract

SESSION 2:

Accelerating Actions for Sustainable Development and Climate Change

WORKSHOP 2.2:

Application of Knowledge Management in Scaling up Partnership Investments in a Blue Economy

EBM Knowledge Management: What Do We Need to Know to Manage?

Tundi Agardy

Executive Director
Sound Seas
United States of America



Ecosystem-Based Management is a widely accepted approach for effective management of oceans, with their shared resources, unbounded systems, and unique property rights. EBM has indeed become dogma, yet the practice of EBM remains elusive. The complexity of marine and coastal management – which effectively requires limiting our use of ocean resources and space, and also changing the way we use land and freshwater as well – makes EBM seem dauntingly complicated. But complexity and complication are not one and the same, and certain kinds of knowledge can be harnessed to take small steps towards effective EBM. This knowledge is rooted in both the ecological and social understanding, and can and should be derived using both scientific study and traditional or user knowledge. The minimum requirement for both ecological and social information needed to craft EBM includes an understanding of key ecosystem processes and linkages between habitats across the terrestrial, coastal, and pelagic realms; the values of targeted ecosystems (values that include both provisioning and supporting ecosystem services); patterns of existing and projected uses; and assessment of governance (including legislation, management institutions, financial capacities) in order to select management tools and design management regimes that are both effective and appropriate to the context where management is needed.



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 Tundi Agardy:

Dr. Tundi Agardy is an internationally renowned expert in marine conservation, with extensive field and policy experience in Africa, Asia, the Caribbean, the Mediterranean, North America and the Pacific. She specializes in ecosystem services assessment, coastal planning, marine protected areas, fisheries management, and ocean zoning, and has published widely in these fields. She is currently Director of the MARES Program at Forest Trends, which promotes the use of market mechanisms in marine conservation. MARES projects include global conceptual frameworks for innovative financing, tracking of marine markets, and pilot projects in marine ecosystem services and payments in countries as varied as Abu Dhabi, Colombia, Ghana, Greece, the Maldives, Mexico, and Peru.

In order to do broader work on marine issues that can be addressed by the nexus of policy and science, in 2001 Tundi founded Sound Seas -- an independent non-profit based in the Washington DC area. Sound Seas partners with local and international research, education, conservation, and development institutions to promote sustainable use of marine resources and plan for resilience. She is Contributing Editor of *Marine Ecosystems and Management (MEAM)* and the *World Ocean Observer (W2O)*. Tundi previously served as Senior Scientist for WWF and began Conservation International's Global Marine Program, which she oversaw as Senior Director. She also led the coastal portion of the Millennium Ecosystem Assessment -- the global analysis released in 2005 that represents the consensus of over a thousand scientists on the state of the world's ecosystems. She received her Ph.D. in biological sciences and Masters in Marine Affairs from University of Rhode Island, was postdoctoral fellow at the Woods Hole Oceanographic Institution, and completed her undergraduate work at Wellesley and Dartmouth Colleges in the U.S.