

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

Knowledge Management for Environment and Natural Resources

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The Department of Environment and Natural Resources (DENR) is utilizing knowledge management for the establishment and maintenance of management information systems to support data and information requirements of the FASPS, other DENR offices/units, oversight & other donor agencies. The aim is to design and implement activities that use geographic information systems technology to meet spatial analysis, planning, monitoring and evaluation of projects, and decision-making needs for environment and natural resources.

Over the years, DENR utilized knowledge products and tool to aid in development, gathering of data, analysis and dissemination of information. A recent initiative and example is the PHL "Wealth Accounting and Valuation of Ecosystems Services" (Phil-WAVES) project. The project has put together various information on the changes on the land cover, water resources availability and quality, pollution, urban expansion, extractive industries, and fisheries and aquatic resources. The Phil-WAVES communications strategy aims not only to inform major stakeholders of the current situation, highlight the interconnectivity of the various ecological elements in a given area, and hopefully, provide science-based information for critical decision making and support strategic plans for development. Initial findings on the two pilot areas – the Laguna Lake area and Southern Palawan – will be presented to showcase the importance of KM.

The Integrated Information Management System IIMS is used by DENR in order to establish and maintain a database on coastal resources and river basin management. IIMS is useful in various aspects of environmental planning, management and assessment. Among its applications that DENR is using are environmental profiling, environmental atlas compilation, state of the coasts reporting, sustainable development strategy formulation, strategic environmental planning, risk assessment, environmental impact assessment, resource valuation, institutional arrangements, environmental monitoring, public awareness and many more. These aspects of environmental management and assessments are not only undertaken by government institutions but also by academic, business sector, consulting firms and the community, hence, these sectors also benefit from IIMS.



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About Edwin Domingo:

Dir. Edwin G. Domingo is a B.S. Geology graduate of the University of the Philippines, Masters of Engineering from the Hokkaido University in Japan, and Masters in Public Management from the Development Academy of the Philippines.

He has almost 40 years of continuous public service, 35 years of which was with the Mines and Geosciences Bureau. He served as the agency's Chief Geologist, and eventually, as Assistant Director from 1995 to 2010. Currently, he is the Director of the Foreign Assisted and Special Projects Service (FASPS) office of the Philippine Department of Environment and Natural Resources.

As a geologist, he was involved in geological mapping, studies on integrated coastal zone management, groundwater resources surveys, geohazards mapping, and knowledge management.

As Director of the DENR-FASPS, he was responsible for the implementation of the ADB's 5-year project on Integrated Coastal Resources Management Project (ICRMP), and other coastal zone resources management projects. He is also an active participant of the PEMSEA.

He also served as the country's Deputy Permanent Representative to the Coordinating Committee for Geoscience Programmes in East and Southeast Asia (CCOP), an inter-governmental organization, which has one of its priority programs is on coastal zone management. On knowledge management, he was actively involved in the establishment of the organizations "Southeast Asian Network Geographic Information System (SANGIS)" and the "Metadata Project". Both projects aim at upgrading and harmonizing existing digital data management system to facilitate information circulation, facilitate access to information and to promote the creation of an efficient scientific network among the member countries.