



4TH GLOBAL CONFERENCE ON OCEANS, COASTS, AND ISLANDS

*Advancing Ecosystem Management and
Integrated Coastal and Ocean Management
in the Context of Climate Change*

APRIL 7-11, 2008, HANOI, VIETNAM



*Organized by the
Global Forum on Oceans,
Coasts, and Islands and
Hosted by the Government of
Vietnam, Ministry of
Agriculture and Rural
Development
with principal funding
from the Global
Environment Facility*

Conference Program



Vietnam



R O Korea



Indonesia



CANADA



Flemish Government,
Belgium





Global Conference Organizers

Conference Co-Chairs

Dr. Biliانا Cicin-Sain, Co-Chair and Head of Secretariat, Global Forum on Oceans, Coasts, and Islands; and Director, Gerard J. Mangone Center for Marine Policy, University of Delaware
H.E. Minister Dr. Cao Duc Phat, Ministry of Agriculture and Rural Development, Vietnam
Dr. Ibrahim Thiaw, Director, Division of Environmental Policy Implementation (DEPI), UNEP

Vietnam Government Conference

Focal Point

Dr. Chu Hoi Nguyen, Director, Vietnam Institute of Fisheries Economics and Planning, Ministry of Agriculture and Rural Development, Vietnam

Global Forum on Oceans, Coasts, and Islands Co-Chairs

Dr. Biliانا Cicin-Sain, Director, Gerard J. Mangone Center for Marine Policy, University of Delaware

Dr. Patricio A. Bernal, Executive Secretary, Intergovernmental Oceanographic Commission, UNESCO

Dr. Veerle Vandeweerd, Director, Environment and Energy Group, United Nations Development Programme (UNDP)

Vietnam National Organizing Committee

Mr. Nguyen Viet Thang, Vice-Minister, Ministry of Agriculture and Rural Development (Chair)

Mr. Vu Dung, Vice-Minister, Ministry of Foreign Affairs

Mr. Nguyen Cong Thanh, Vice-Minister, Ministry of Natural Resources and Environment

Mr. Nguyen Quang Hung, Vice-Chairman, PPC Quang Ninh province

Mr. Vuong Dinh Lam, Director General of the Vietnam Navigation Administration under Ministry of Transportation

Mr. Le Van Minh, Director, Department for International Relationships of Ministry of Agriculture and Rural Development

Mr. Nguyen Huy Dien, Director, Department of Agriculture and Rural Development of Hanoi

Conference Program Coordinators

Dr. Miriam C. Balgos, Program Coordinator, Global Forum on Oceans, Coasts, and Islands; and Research Associate, Gerard J. Mangone Center for Marine Policy, University of Delaware

Mr. Julian Barbiere, Programme Specialist, Intergovernmental Oceanographic Commission, UNESCO, Paris

Conference Coordinator

Ms. Shelby M. Hockenberry, Coordinator, Gerard J. Mangone Center for Marine Policy, University of Delaware; and Administrator, Journal of Ocean & Coastal Management

Global Conference Secretariat

Ms. Caitlin Snyder, Research Assistant, University of Delaware

Ms. Kateryna Wowk, Research Assistant, University of Delaware

Ms. Kathleen McCole, University of Delaware

Ms. M. Katherine Brown, University of Delaware

Ms. Jenna Jardin, University of Delaware

Vietnam Secretariat

Mr. Nguyen Chu Hoi, Director, Vietnam Institute of Fisheries Economics and Planning, Ministry of Agriculture and Rural Development (Head)

Mr. Pham Trong Yen, Vice-Director, DIR-Ministry of Agriculture and Rural Development

Mr. Nguyen Xuan Ly, Vice-Director of Department of Science and Technology, Ministry of Agriculture and Rural Development

Mr. Vu Ngoc Minh, Deputy Director, Department of Propaganda, Information, and Documentation

Mr. Hoang Xuan Huy, Officer of DIR under Ministry of Natural Resources and Environment

Mrs. Nguyen Thuy Ha, Officer of DIR under Ministry of Transportation

Mr. Nguyen Van Thuc, Officer of Department of Economic Security under Ministry of Police

Vietnam Institute of Fisheries Economics and Planning Secretariat:

Mr. Phung Giang Hai

Mr. Nguyen Thanh Bach

Ms. Cao Le Quyen

Mr. Tuong Phi Lai

Ms. Phan Thi Ngoc Diep

Acknowledgements

We acknowledge, with sincere thanks, the financial and other support received from the following organizations and individuals. Without their support and dedication to advance the global oceans agenda, this effort would not be possible.

Major Organizers and Sponsors:

GEF Project: Fostering a Global Dialogue on Oceans, Coasts, and SIDS, and on Freshwater-Coastal-Marine Interlinkages

Global Environment Facility

Global Forum on Oceans, Coasts, and Islands Government of Vietnam (Ministry of Agriculture and Rural Development, national focal point)

GEF International Waters Learning Exchange and Resource Network (IWLEARN)

United Nations Environment Programme

United Nations Development Programme Intergovernmental Oceanographic Commission, UNESCO

United Nations Educational, Scientific and Cultural Organization

University of Delaware Gerard J. Mangone Center for Marine Policy

International Coastal and Ocean Organization Partnerships in Environmental Management for the Seas of East Asia (PEMSEA)

The Nippon Foundation, Japan

U.S. National Oceanic and Atmospheric Administration

Ministry of Maritime Affairs and Fisheries and Pusan National University, Republic of Korea
Ministry of Marine Affairs and Fisheries, Indonesia

Department of Fisheries and Oceans, Canada
Flemish Government, Belgium

IUCN, Vietnam

United States Agency for International Development

Lighthouse Foundation

NAUSICAA (Centre National de la Mer), France

World Ocean Network

World Ocean Observatory

Ocean Policy Research Foundation, Japan

International Ocean Institute, Malta

Rapporteurs:

Ms. Cao Le Quyen, Head of Fisheries Planning Department, VIFEP

Ms. Nguyen Giang Thu, Director of MPA Project (MARD)

Ms. Bui Thi Thu Hien, IUCN Viet Nam

Mr. Bernard O'Callaghan, IUCN Viet Nam

Ms. Ashley Brook, IUCN Viet Nam

Ms. Annie Baxter, IUCN Viet Nam

Ms. Nguyen Thu Hue, Director of MCD

Ms. Pham Thi Duyen Huong, Vice-Head of Informatic Department, RIMF (MARD)

Mr. Nguyen Huu Nghia, Researcher, RIAI

Mr. Hoang Xuan Huy, Expert of Foreign Cooperation Affair (MONRE)

Ms. Nguyen Thi Trang Nhung, Expert of Foreign Cooperation Affair (MARD)

Mr. Nguyen Van Quan, Researcher, Institute of Marine Environment and Resources of VAST

Mr. Keith Symington, WWF Viet Nam

Ms. Melissa Schliebs, UNESCO -Vietnam

Mrs. Dao Nguyen, Freelance Consultant

Dr. Ampai Harakunarak, Thailand Environment Institute

Ms. Giselle Firme, Nature Conservation Council, Australia

Ms. Isabel Torres de Noronha, University of Delaware

Ms. Caitlin Snyder, University of Delaware

Ms. Kateryna Wowk, University of Delaware

Ms. LaVerne Walker, Coastal Zone Coordination Unit, St. Lucia

Ms. Kathleen McCole, University of Delaware

Ms. M. Katherine Brown, University of Delaware

Ms. Fathimath Ghina, Intergovernmental Oceanographic Commission, UNESCO

Mr. Ryan Wulff, NOAA

Dr. Gonzalo Cid, NOAA

Ms. Shelby Hockenberry, University of Delaware

Dr. Miriam Balgos, University of Delaware



4TH GLOBAL CONFERENCE ON OCEANS, COASTS, AND ISLANDS

Advancing Ecosystem Management and Integrated Coastal and Ocean Management in the Context of Climate Change

APRIL 7-11, 2008, HANOI, VIETNAM

Organized by the Global Forum on Oceans, Coasts, and Islands and Hosted by the Government of Vietnam, Ministry of Agriculture and Rural Development

Conference Background and Purpose

The 4th Global Conference on Oceans, Coasts, and Islands will mobilize high-level policy attention, topical working groups, analytical papers, and other contributions to provide a review of progress achieved (or lack thereof) in advancing ecosystem management and integrated coastal and ocean management at national and regional (trans-boundary) levels, and in the 64% of the ocean beyond national jurisdiction, and on the allied goals of reducing marine biodiversity loss and of establishing networks of marine protected areas (goals adopted by the world’s political leaders at the 2002 World Summit on Sustainable Development (WSSD)). These goals are considered in the context of climate change, which, as indicated in the 2007 report of the Intergovernmental Panel on Climate Change, will have profound effects on ecosystems and coastal populations around the world, especially among the poorest people on Earth, and in small island developing States (SIDS).

The conference will be held in Hanoi, Vietnam at the Melia Hanoi Hotel, located in the historic “Old Quarter” of the city. The second fastest-growing economy in Asia, Vietnam has made significant strides in coastal and marine management in recent years through the development of integrated coastal management, marine protected areas, and a national ocean strategy. Vietnam was recently chosen as the first “pilot” country in the UN’s effort to unify the work of its agencies at the national level through its “One UN” pilot program, the result of the High-Level Panel on UN System-wide Coherence in areas of Development, Humanitarian Assistance and the Environment (enhanced UN coherence was also adopted as a goal of the world’s political leaders at the World Summit on Sustainable Development).

The Global Conference is organized by the Global Forum on Oceans, Coasts, and Islands, and by the Government of Vietnam, under the sponsorship of the Prime Minister and with the leadership of the Ministry of Agriculture and Rural

Development (MARD)-Fisheries. In the conduct of the Global Conference, the Global Forum also counts on the leadership of the: Government of Vietnam (Ministry of Agriculture and Rural Development, national focal point); Global Environment Facility; GEF International Waters Learning Exchange and Resource Network (IW:LEARN); Intergovernmental Oceanographic Commission, UNESCO; United Nations Environment Programme (UNEP); U.S. National Oceanic and Atmospheric Administration; Ministry of Maritime Affairs and Fisheries, Korea; Ministry of Marine Affairs and Fisheries, Indonesia; Department of Fisheries and Oceans, Canada; Nippon Foundation, Japan; Lighthouse Foundation; U.S. Agency for International Development; Flemish Government, Belgium; World Ocean Network; United Nations Development Programme (UNDP); Partnerships in Environmental Management for the Seas of East Asia (PEMSEA); IUCN Vietnam; World Ocean Observatory; Ocean Policy Research Foundation, Japan; International Ocean

Institute; Gerard J. Mangone Center for Marine Policy, University of Delaware; the International Coastal and Ocean Organization and the World Ocean Observatory. Other key ocean-oriented governments, nongovernmental organizations, international organizations, industry, and scientific

Contents

Conference Background and Purpose	1
Background on the Global Forum	2
Conference Themes	2
Conference Organizers	6
Relationship to Other Global Efforts	7
Key Conference Features	8
Conference Results	8
Conference Host	8
Conference Program	10
Working Group Leaders and Members	27
Global Forum Steering Committee	35



groups are playing pivotal roles in the organization of the Conference and the dissemination of its outputs. Much of the preparatory work for the Conference has been carried out by thirteen Working Groups, composed of over 200 participants, which are focused on three major themes related to achieving ecosystem management and integrated coastal and ocean management at national and regional levels, and in areas beyond national jurisdiction.

Background on the Global Forum on Oceans, Coasts, and Islands



The Global Forum is comprised of ocean leaders from governments, non-governmental organizations, international and intergovernmental organizations, the private sector, and scientific associations with the purpose of advancing the global oceans agenda. “Advancing the global oceans agenda” is meant as: 1) promoting the implementation of international agreements related to oceans, coasts, and small island developing States (SIDS), especially the goals emanating from the 2002 WSSD; 2) analyzing new emerging issues such as improving the governance regime for ocean areas beyond national jurisdiction; and 3) promoting international consensus-building on unresolved ocean issues.

The Global Forum was first mobilized in 2001 to help the world’s governments highlight issues related to oceans, coasts, and SIDS on the agenda of the 2002 World Summit on Sustainable Development, and was later formalized at the WSSD in Johannesburg. The Global Forum is a response to perceived needs for fostering cross-sectoral dialogue on ocean issues among governments, NGOs, international

organizations, and the private and scientific sectors; constant advocacy for oceans at the highest political levels; and the imperative of taking an ecosystem-based and integrated approach to oceans governance at national, regional, and global levels, including treating the water system—from freshwater, to coasts, to oceans—as the inter-linked system that it is.

Since 2001, the Global Forum has involved ocean experts representing all sectors from 93 countries; organized three Global Conferences (in 2001, 2003, and 2006 at UNESCO in Paris, see *Relationship to Other Global Efforts* on p.9); organized the Ocean Policy Summit in Lisbon in 2005 documenting experiences with integrated oceans governance in over 20 countries and 4 regions around the world; prepared a number of reports on the implementation of the WSSD ocean targets, reports on ocean issues in island states for the 2005 Mauritius International Meeting, and reports on capacity development needs on ocean and coastal management in 8 world regions; and provided a series of Internet information services, including periodic newsletters.

The 2008 Global Conference builds directly on the 2006 Global Forum report card on *Meeting the Commitments on Oceans, Coasts, and Small Island Developing States Made at the 2002 World Summit on Sustainable Development: How Well Are We Doing?* (The Global Forum on Oceans, Coasts, and Islands Co-Chairs’ Report of the Third Global Conference on Oceans, Coasts, and Islands: Moving the Global Oceans Agenda Forward, UNESCO, Paris, January 23-28, 2006, available at http://www.globaloceans.org/globalconferences/2006/pdf/WSSDReport_100406d.pdf.)

Conference Themes

The Conference will focus on three major themes related to achieving ecosystem management and integrated coastal and ocean management at national and regional levels, and in areas beyond national jurisdiction, as follows:

Theme 1. Achieving Ecosystem Management and Integrated Coastal and Ocean Management

- a. Coordinating Group on Theme 1
- b. Large Marine Ecosystems
- c. Marine Biodiversity and Networks of Marine Protected Areas
- d. Linking the Management of Freshwater, Oceans, and Coasts
- e. Fisheries and Aquaculture—Sustainability and Governance
- f. Maritime Transportation

Theme 2. Climate and Oceans: Addressing Impacts in Vulnerable Ecosystems and in Vulnerable Coastal Communities

- a. Coordinating Group on Theme 2: Cross-Cutting Issues
 - Vulnerable Communities
 - Vulnerable Ecosystems
- b. Small Island Developing States (SIDS) and Implementation of the Mauritius International Strategy

Theme 3. Governance of Marine Ecosystems and Uses in Areas Beyond the Limits of National Jurisdiction

- Coordinating Group on Theme 3: Cross-Cutting Issues
- Overall Governance Issues
 - Ecosystems and Uses
 - Options for Governance Improvement

Working Groups on Overarching, Cross-Cutting, and Emerging Issues

- a. Capacity Development
- b. Indicators for Progress
- c. Compliance and Enforcement
- d. Public Education / Outreach / Media

Brief descriptions of the major Conference themes are noted below.

Theme 1. Ecosystem Management and Integrated Coastal and Ocean Management

a. Coordinating Group on Theme 1: Cross-Cutting Issues

Achievement of the global goals established by heads of State at the 2002 World Summit on Sustainable Development is essential for attaining sustainable development of oceans and coasts. Yet, implementing the new paradigms of Integrated Ocean and Coastal Management (ICM) and Ecosystem-based Management (EBM) at national and region-



al levels and in areas beyond national jurisdiction (64% of the ocean) has proven difficult and faced many obstacles. Under this theme, Working Groups and conference participants will assess the extent to which, and under what circumstances, progress is being (or not being) made in achieving implementation of ICM and EBM in areas of national jurisdiction (coastal zones and Exclusive Economic Zones), in various transboundary ocean regions, and in ocean areas beyond national jurisdiction.

The Fourth Global Conference on Oceans, Coasts, and Islands (April 7-11, 2008 in Hanoi, Vietnam) will produce, with the collaboration of the Working Group, a global report providing a report card on how far we have come, what obstacles must be overcome, what needs to be done, what emerging issues must be addressed, what funding is needed, and what capacity must be developed to further propel the implementation of integrated and ecosystem-based management approaches to governance of the world's oceans. The report card will also take into consideration the effects of climate change on ocean and coastal ecosystems and peoples, which, as outlined in the 2007 IPCC report of the Intergovernmental Panel on Climate Change, will have profound effects on ecosystems and coastal populations around the world, especially among the poorest people on Earth, and in SIDS.

b. Large Marine Ecosystems

In 1995, the Global Environment Facility (GEF) Council included the concept of Large Marine Ecosystems (LMEs) in its Operational Strategy as a vehicle to foster ecosystem-based approaches to the management of coastal and marine resources and address the land-sea interface. LMEs encompass coastal areas from river basins and estuaries to the seaward boundaries of continental shelves, enclosed and semi-enclosed seas, and the outer margins of the major current systems. LMEs are typically 200,000 square kilometers or greater, and are characterized by distinct bathymetry, hydrography, productivity, and trophically dependent populations. To date, 64 LMEs have been identified in the global oceans. The GEF uses LMEs as units for facilitating integration across sectors, developing adap-



tive management frameworks with site-specific targets, and providing tools for engaging stakeholders. With GEF assistance, and in partnership with several UN agencies, 110 different nations are cooperating to improve place-based management for 17 LMEs. This Working Group will assess progress made in LMEs, challenges to managing LMEs, and provide guidance for the enhanced management of LMEs.

c. Marine Biodiversity and Networks of Marine Protected Areas

Halting the loss of marine and coastal biodiversity is an important component of maintaining ocean and coastal ecosystem function. The WSSD goal of achieving a significant reduction of the current rate of biodiversity loss at global, regional and national levels as a contribution to poverty alleviation and to the benefit of all life on earth needs to be addressed in line with other related WSSD targets, especially the ecosystem target and the target of establishing networks of marine protected areas. Although tangible progress has been made in this area, with important regional and national initiatives underway and with significant support from the Convention on Biological Diversity, many challenges remain, particularly in the establishment of networks of marine protected areas. Progress is hampered by insufficient funding, inadequate awareness about the value of marine resources, lack of political will, and lack of shared long-term vision among stakeholders.

d. Linking the Management of Freshwater, Oceans, and Coasts

To address degradation of the marine environment, it is important to also consider and incorporate the impacts of land-based activities along the coast and also further inland. Activities that occur many miles inland can have an effect not only in coastal areas, but also far out at sea. Examples of



these impacts include salt water intrusion into historically freshwater areas, nutrient over-enrichment, and changes in sedimentation patterns. To preserve overall ecosystem integrity, it is imperative to link management measures regarding oceans and coasts to the management of river basins and watersheds. Discussions of freshwater management and oceans management, however, typically take place separately in different fora. It is important to address the challenge of linking freshwater to coasts and oceans from a new collaborative perspective that examines how decision-making and institutional development from both upstream and downstream management could be reconciled at international, regional, national and sub-national levels.

e. Fisheries and Aquaculture—Sustainability and Governance

In 2005, 76% of marine fish stocks were classified by the Food and Agriculture Organization of the United Nations (FAO) as fully exploited, overexploited, or depleted, meaning the stocks are being fished at or beyond their maximum biological productivity. Only 23% were under or moderately exploited and 1% were recovering. According to the FAO, there has been a steady increase in the proportion of marine fish stocks that are classified as overexploited or depleted. Sustainability in fisheries and aquaculture is essential as the world's population continues to grow and fish consumption increases. Employment in fisheries is growing faster than other agriculture sectors



and many communities in developing countries rely on fishing for their livelihood.

An important shift from species-by-species management of fisheries towards ecosystem-based management is occurring at various levels. In particular, regional fisheries management organizations and Large Marine Ecosystem Projects are trying to operationalize ecosystem-based management, strengthen cooperation, and improve compliance and enforcement mechanisms, so that highly migratory, straddling, and shared stocks are adequately managed. Much further action, however, is needed to address such issues as: 1) overcapacity of the world's fishing fleet; 2) illegal, unreported, and unregulated (IUU) fishing, including by vessels flying "flags of convenience"; 3) subsidies which contribute to overcapacity and IUU fishing; 4) the use of fishing techniques and technologies that have adverse effects on the physical habitats and on non-targeted species; 5) allocation of fishing rights; 6) sustainable development of aquaculture; and 7) international fish trade and the impacts of market based standards.

f. Maritime Transport

The challenges that face ports and maritime transport include policy, economic, and environmental issues. These include issues related to energy and the environment, shipping and fleet modernization, port capacity and performance measures, and international, national, and regional trade and policy issues. Of particular interest for marine ecosystem management are con-

cerns about air pollution, ballast water and invasive species, impacts of pollution accidents such as oil spills, marine litter, and dumping of waste, the establishment of Special Areas and Particularly Sensitive Sea Areas, ship breaking and recycling, seafarer competency and capacity building, and port and maritime transport security.

Theme 2. Climate and Oceans: Addressing Impacts in Vulnerable Ecosystems and in Vulnerable Coastal Communities

a. Coordinating Group on Theme 2: Cross-Cutting Issues

The oceans are a part of the climate system and play a major role in regulating climate conditions. Changes in atmospheric conditions (temperature and weather patterns) can have a profound impact on the functioning of ocean, coastal and island ecosystems. In some cases, these impacts are already being seen, with increases in coastal flooding, storm intensity, and potentially changing current patterns. Ocean acidification, caused by the uptake of anthropogenic carbon dioxide from the atmosphere, poses adverse effects on calcifying species such as corals, echinoderms, crustaceans and mollusks as well as certain phytoplankton. Current evidence suggests that changes in the biogeochemistry of the marine environment over the next decades can be minimized with early and deep reductions in carbon dioxide emissions.

In its 2007 report, the Intergovernmental Panel on Climate Change (IPCC), amid growing global concern, called urgent attention to the growing "climate divide" that exists between the developed and the developing world—that is to say, the brunt of the damage acting as the catalyst for global climate change has been created by the developed world but its impacts will be felt most readily by the developing world. As the chair of the IPCC panel noted "It's the poorest of the poor in the world, and this includes poor people even in prosperous societies, who are going to be the worst hit ... [as] people who are poor are least equipped to be able to adapt to the impacts of climate change and therefore, in some sense, this does become a global responsibility" (IPCC 2007).

Developing nations in Africa (which account for less than three percent of global carbon emissions) and Asia would be most affected and the developed wealthy nations far from the equator least affected. Asia will be particularly vulnerable to the effects of climate change, especially major population centers at low elevations including: Mumbai, India; Shanghai, China; Jakarta, Indonesia; Tokyo, Japan; and Dhaka, Bangladesh. The five most vulnerable countries with large populations are China, India, Bangladesh, Vietnam, and Indonesia. The countries most threatened when looking at largest total land area are Russia, Canada, the United States, China, and Indonesia. The impact of climate change on developing nations, especially SIDS, is significant and the implications of these potential effects range from changes in ocean chemistry and forecasted sea level rise to impacts on ecosystems and human health. The need to address these issues in the oceans community is a vital first step in combating the potentially devastating effects of climate change with specific attention to the developing world and SIDS.

b. Small Island Developing States (SIDS) and Implementation of the Mauritius International Strategy



As stewards of vast ocean resources, small island developing states (SIDS) play a key role in efforts to sustainably manage ocean and coastal resources. SIDS are often the first to feel the effects of global environmental problems, due to their often small size, isolated locations, and vulnerability to climate change. It is clear that most SIDS countries are keenly aware of the importance of the marine environment and its resources to their sustainable development and economic stability. SIDS countries, however, are sometimes constrained by weak institutions and administrative processes and are in need



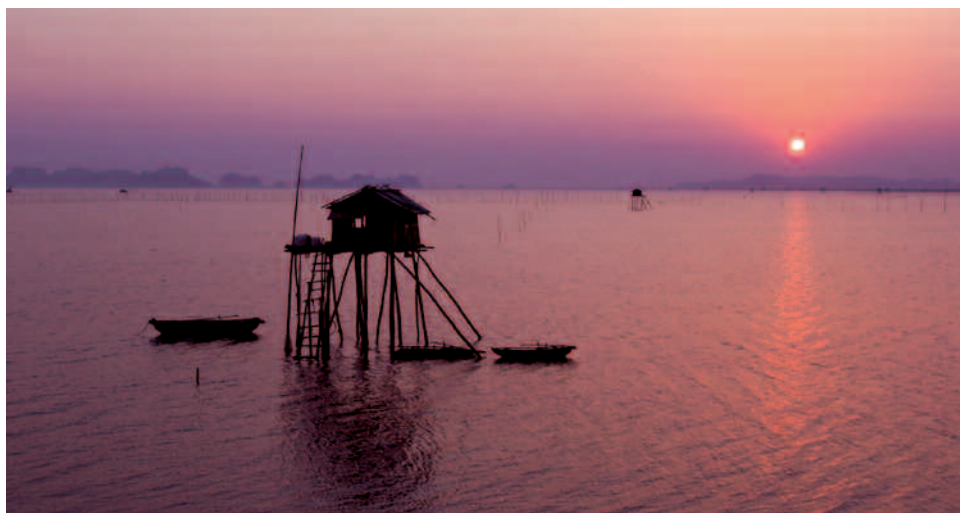
of enhanced human, technical and financial resources to develop and implement cross-cutting approaches to the planning and management of oceans and coasts.

The 2005 Mauritius International Strategy for the further implementation of the Barbados Programme of Action for the sustainable development of SIDS is the overarching framework for addressing the range of issues affecting SIDS countries. Additional and sustained infusion of development assistance support to enhance the capacity of SIDS countries will be needed to implement the Strategy. With external assistance and the political will of SIDS leaders, a SIDS-driven mechanism could be developed to provide operational guidance, mobilization of support, oversight, and monitoring and reporting on progress in the implementation of the Mauritius International Strategy.

It will be especially important to have such a SIDS-driven mechanism to facilitate mitigation of and adaptation to climate change effects in SIDS nations. The University Consortium of Small Island States (emanating from the Mauritius International Meeting) should be used to enhance local SIDS capacity to address complex issues related to oceans, coasts, and climate.

Theme 3. Governance of Marine Ecosystems and Uses in Areas Beyond the Limits of National Jurisdiction

Developing enhanced governance regimes for the management of 2/3 of the world's ocean beyond national jurisdiction represents the next major multilateral negotiations which nations will need to negotiate in the context of the United Nations in the next decade. Key issues that need to be addressed in areas beyond national jurisdiction include: the extraction of genetic resources for biotechnology purposes, fisheries problems (illegal, unreported, and unregulated (IUU) fishing, overfishing, destructive fishing practices), pollution (including ocean acidification), marine transportation, offshore oil and gas, and climate change, among others. Compared to ocean governance in areas within national jurisdiction, the governance regime for managing ocean areas beyond national jurisdiction is frag-



mented, single-sector based, and is incomplete. It is exceedingly difficult, under present conditions, to manage the oceans beyond national jurisdiction in an integrated and ecosystem-based manner. There is no consensus on the various legal and policy issues surrounding marine areas beyond national jurisdiction, and there are many different options being elaborated and discussed about how these issues should be resolved. There are, as well, deep divisions of opinions on both the problems and the solutions in the management of these ocean areas—especially among developed and developing countries, industries, and environmental interests. The Working Group is examining the policy issues involved in the governance of marine ecosystems and uses in areas beyond the limits of national jurisdiction, with the intent of clarifying the issues, exposing the variety of perspectives on the issues, identifying possible areas of agreement and consensus-building among disparate interests, and elaborating various policy options and management approaches.

Working Groups on Overarching, Cross-Cutting Issues

a. Capacity Development

To achieve the WSSD targets on oceans, coasts, and islands, it is essential to identify and address capacity building needs of governments, as well as opportunities for partnerships and funding support from donor organizations, in developing States, SIDS, and in States with economies in transition to implement integrated, multidisciplinary and multisectoral approaches to the management of oceans and coasts at national and regional levels. To assist States in their endeavors to develop and implement the

necessary institutional frameworks, the international community needs to provide or strengthen capacity building initiatives in various regions of the world.

Under the framework of the Global Forum's GEF/MSP on *Fostering a Global Dialogue on Oceans, Coasts, and SIDS, and on Freshwater-Coastal-Marine Interlinkages*, the Global Forum has carried out 8 regional assessments of capacity building needs in ocean and coastal management (in East Asia, Africa, and Latin America), in 4 SIDS regions (Pacific, Caribbean, Atlantic, and Indian Ocean), and among the 8 Portuguese-speaking nations. The intent of this activity was to develop a detailed proposal for action in capacity development that could be part of a funding portfolio in the future, such as a Capacity Development in Ocean and Coastal Management Fund. The 4th Global Conference will consider different modalities for realizing such a capacity mechanism. Also of consideration in this group are the MDG targets. In order to achieve the MDG targets of eradicating extreme poverty and hunger while ensuring environmental sustainability, national agencies and key stakeholders have to be engaged in implementing concrete strategies and action programmes. With the assistance of international and intergovernmental organizations and non-governmental organizations, national agencies and key stakeholders need to integrate poverty eradication in sectoral and integrated management programs. Essentially, targeting poverty reduction forms part of the application of ecosystem management approach, which takes into account socioeconomic aspects. For example, the alternative livelihood



components in integrated coastal management programs and marine protected areas programs have to be strengthened with better infrastructure, capacity building, and marketing schemes, which could be done with the collaboration of the appropriate government and other agencies, in order to encourage the reduction of pressure on natural resources and stocks, thereby allowing depleted and overexploited resources to recover.

b. Indicators for Progress

Indicators in ecosystem-based management and integrated ocean and coastal management are needed in order to take stock of tangible progress achieved in addressing coastal and ocean management. Capacity in setting indicators and in using them in evaluating performance is needed at all levels of a project hierarchy. There is also a need to tailor indicators according to what data or information project implementers need in order to adjust or fine-tune project implementation. Because of the wide range of indicators that might be needed and the challenges encountered in their application, it might be difficult to adopt a universal or common set of indicators among ocean and coastal management practitioners. However, on the other hand, adoption of a common set of parsimonious indicators to measure progress on ecosystem-based integrated coastal and ocean management is essential to gauge progress (or the absence thereof).

c. Compliance and Enforcement

While the international community has made significant strides in developing agreements, rules, and regulations to improve ocean and coastal management, compliance and enforcement of these instruments often lags. This is true at the international, national, and sub-national levels. This is due variously to insufficient institutional mechanisms and mandates, capacity, and political will. Improving compliance and enforcement of ocean and coastal management, then, requires a range of initiatives. These include developing and strengthening compliance mechanisms at the international level, as well as enhancing



national and sub-national capacity to implement and enforce. The approaches will necessarily include a suite of regulatory and nonregulatory mechanisms (including incentives, planning, and information-based approaches).

d. Public Education and Outreach

There is a need to motivate the widest possible audience on a worldwide scale to inspire behavior that respects the environment and thus promotes an intelligent and sustainable use of the ocean. This is the major purpose of the World Ocean Network (the world association of maritime museums and aquaria), a key partner of the Global Forum. Through various media, mechanisms, and institutions such as aquaria, zoos, science centers, institutions, associations, and NGOs, the public could be reached and individuals engaged in sustainable actions. There are myriad ways by which citizens could contribute to sustainable use of the ocean but there is a need for more targeted dissemination and application of information on management and conservation. Lessons learned from successful media campaigns such as those initiated to modify consumer behavior regarding consumption of fish caught by illegal means should be widely circulated and applied in similar initiatives.

Among the crucial components of a communication strategy and action plan for the oceans is the official designation by the United Nations of June 8th as the international World Ocean Day, which is an ideal occasion to raise the international profile of the ocean through jointly organized cultural, educational, scientific, and recreational activities based on the themes of water, the ocean and sustainable development.

Conference Organizers

Global Forum on Oceans, Coasts, and Islands

Government of Vietnam (Ministry of Agriculture and Rural Development, national focal point)

Global Environment Facility

GEF International Waters Learning Exchange and Resource Network (IW:LEARN)

Intergovernmental Oceanographic Commission, UNESCO

United Nations Environment Programme (UNEP)

U.S. National Oceanic and Atmospheric Administration

Ministry of Maritime Affairs and Fisheries, Korea

Ministry of Marine Affairs and Fisheries, Indonesia

Department of Fisheries and Oceans, Canada

Nippon Foundation, Japan

Lighthouse Foundation

U.S. Agency for International Development

Flemish Government, Belgium

World Ocean Network

United Nations Development Programme (UNDP)

Partnerships in Environmental Management for the Seas of East Asia (PEMSEA)

IUCN Vietnam

World Ocean Observatory

Ocean Policy Research Foundation, Japan

International Ocean Institute

Gerard J. Mangone Center for Marine Policy, University of Delaware

International Coastal and Ocean Organization

World Ocean Observatory





Relationship to Other Global Efforts

This Global Conference is the fourth in a series begun in 2001. The first conference, *Oceans and Coasts at Rio+10: Toward the 2002 World Summit on Sustainable Development (WSSD)*, Johannesburg (held at UNESCO in Paris, France on December 3-7, 2001), was useful in placing ocean, coastal, and SIDS issues on the WSSD agenda. As noted in the UN Secretary General's report on Oceans and the Law of the Sea (March 3, 2003), A/58/65): 7.

The persistent efforts of all interested groups, beginning with the Global Conference on Oceans and Coasts at Rio+10, persuaded the preparatory meetings for the Johannesburg Conference that not only was UNCLOS not the end of the road, but also that many of the commitments of the UNCED at Rio remained unfulfilled.

Following the WSSD, the *Global Conference on Oceans, Coasts, and Islands: Mobilizing for Implementation of the Commitments Made at the 2002 World Summit on Sustainable Development on Oceans, Coasts, and Small Island Developing States* (held at UNESCO in Paris on November 12-14, 2003), was useful in spurring the process of initial implementation of the WSSD commitments. This meeting proved especially important because the Commission on Sustainable Development is not scheduled to examine ocean issues until 2014.

The 3rd Global Conference on Oceans, Coasts, and Islands: Moving the Global Oceans Agenda Forward, organized by the Global Forum on Oceans, Coasts, and Islands, was held January 23-28, 2006 at UNESCO in Paris, France. The Conference included over 400 participants from 78 countries, and greatly benefited from the participation of 37 ministers and high-level government representatives. The Conference brought together key national level officials, regional organizations, UN agencies, donors, industry, non-governmental organizations, scientists and journalists to assess progress



achieved and obstacles faced in the implementation of international targets on oceans, coasts, and small island developing states (SIDS), especially those related to the 2002 World Summit on Sustainable Development (WSSD), the Millennium Development Goals (MDGs), and other related agreements. As noted, a synthesis report providing an overall assessment, *Meeting the Commitments on Oceans, Coasts, and Small Island Developing States Made at the 2002 World Summit on Sustainable Development: How Well Are We Doing?* is available at

http://www.globaloceans.org/globalconferences/2006/pdf/WSSDReport_100406d.pdf.

The Fourth Global Conference on Oceans, Coasts, and Islands builds on the three past global conferences, and is directly related to a number of other international efforts and global conferences.

The *Ocean Policy Summit--International Conference on Integrated Ocean Policy: National and Regional Experiences, Prospects, and Emerging Practices* (held in Lisbon, Portugal, on October 10-14, 2005). This conference explicitly considered advances in the WSSD and MDG goals of achieving integrated oceans governance at national and regional levels, and made considerable progress in the collective understanding of how national and regional ocean policies may be enhanced and further expanded. Results from The Ocean Policy Summit will be available in a book published by the United Nations University Press..

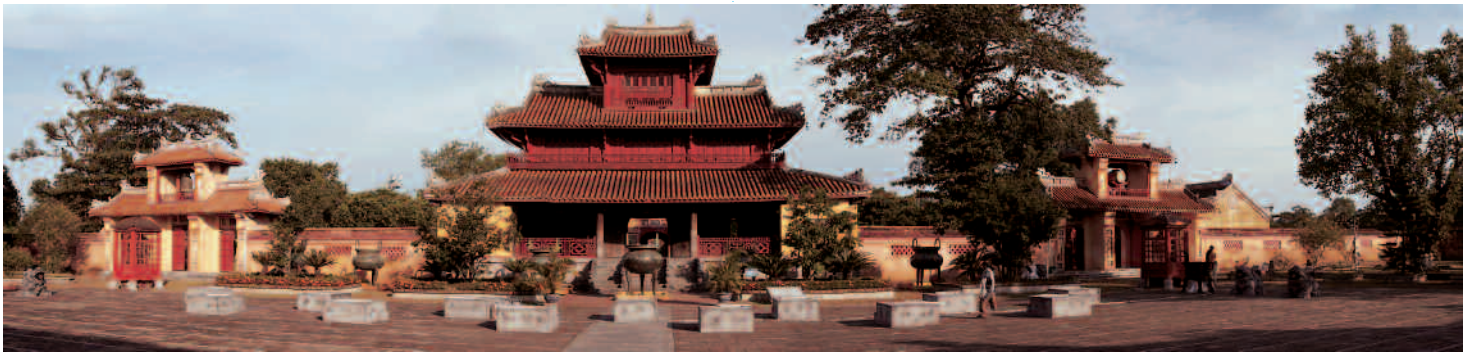
The *4th World Water Forum* (held in Mexico City, Mexico, on March 16-22, 2006). Results of the Paris global conference provided input to the 4th World Water Forum particularly regarding specific recommendations for better linking freshwater to coasts to oceans and

development of a joint program of work involving freshwater and ocean institutions.

The *Second Intergovernmental Review (IGR-2) of the Global Programme of Action for the Protection of the Marine Environment from Land-based Activities (GPA)*, was held in Beijing, China, on October 16-20, 2006. The report emanating from the Third Global Conference, Meeting the Commitments on Oceans, Coasts, and Small Island Developing States Made at the 2002 World Summit on Sustainable Development: How Well Are We Doing?, including specific recommendations for further advancement of the GPA, was presented at the IGR-2 in Beijing.

The *World Ocean Conference (WOC 2009)* will take place in Indonesia on May 11-15, 2009 and will bring together high-level political leaders from coastal nations around the world. This summit will provide a forum for working toward achieving international commitments in the sustainable development of marine resources and will specifically address the policy recommendations reached at the Vietnam Conference. The Global Forum on Oceans, Coasts, and Islands is partnering with the Government of Indonesia as a supporter of this effort.

The *East Asian Seas Congress*, a triennial event that began in 2003, will take place November 23-27, 2009 in Manila, Philippines. This event provides a platform for policymakers, local governments, scientists, academia, private sector, civil society, youth and other international, regional, national, and local stakeholders to converge, discuss, and share lessons learned on coastal and ocean management/governance. Carrying the theme "Partnerships at Work: Local Implementation and Good Practices", the 2009 Congress will feature local or on-the-ground initiatives and good practices, and review progress made since the 2006 EAS Congress in relation to the implementation of the Sustainable Development Strategy for the Seas of East Asia (SDS-SEA).



Key Conference Features

The Global Conference will feature:

- High-level presentations on selected topics by high-level ocean officials from around the world;
- Topical panels bringing together experts from governments, international agencies, nongovernmental organizations, scientists, and the private sector, and featuring stage-setting analytical papers;
- Structured Concurrent Dialogue Sessions on specific topics on which the conference is expected to achieve progress; and
- Opportunities for special groups and communities of interest to advance particular aspects of the global oceans agenda.

The intent is to bring carefully crafted analyses, high-level perspectives, and perspectives from all ocean sectors and areas of the world to focus on tangible next steps in advancing ecosystem management by 2010 and examine the current trends in integrated coastal and ocean management. Thirteen Global Forum Working Groups, organized according to the themes noted above, will report their findings and policy recommendations at the Global Conference. The conference will maximize opportunities for meaningful dialogue among the expert participants through the facilitation of the Concurrent Dialogue Sessions and discussions in special workshops and side events.

Conference Results

The results of the 4th Global Conference will be relayed to various organs of the United Nations, will be presented at the UN Informal Consultative Process on Oceans and Law of the Sea, and will be broadly disseminated to governments, civil society, and industry and scientific groups throughout the world.

The specific recommendations emanating from the 4th Global Conference will be considered by high-level ocean political leaders, on May 11-15, 2009, at the World Ocean Conference, hosted by the Government of Indonesia, in Manado, North Sulawesi, Indonesia, in collaboration with the Global Forum on Oceans, Coasts, and Islands, and other international partners.

Conference Coverage

Summary of presentations and reports of dialogues will be provided by the Earth Negotiations Bulletin.

The World Ocean Observatory, in collaboration with the World Ocean Network, will be carrying out interviews with the Conference participants for Internet posting.

Language of Conference

English is the official language of the conference.

Conference Host

The Conference is kindly hosted in Hanoi by the Government of Vietnam, with leadership from the Ministry of Agriculture and Rural Development.

Vietnam

Vietnam is one of the most biologically diverse countries in Southeast Asia, home to 275 species of mammals, 800 species of birds, 180 species of reptiles, 80 species of amphibians, 2,470 species of fish, 5,500 species of insects, more than 165 coral species, and 12,000 plant species (of which only 7,000 have been identified). Ten per cent of the world's mammal, bird, and fish species inhabit the country and more than 40 per cent of local plant species are



believed to exist nowhere else in the world. Vietnam is part of the Indo-Burma hotspot that covers 2,373,000 km of tropical Asia east of the Ganges-Brahmaputra lowlands. The extensive coastal area in this hotspot includes the 3,444-km coastline of Vietnam.

Vietnam is a densely-populated, developing country that, in the last 30 years, has made substantial progress in moving toward an increased level of development and poverty reduction. In recent years, government authorities, together with non-governmental organizations in Vietnam, worked on enhancing the policy and practice of integrated coastal management and marine protected



areas. GDP growth averaged 6.8% per year from 1997 to 2004 and hit a high of 8% in 2005. Since 2001, Vietnamese authorities have reaffirmed their commitment to economic liberalization and international integration. They have moved to implement the structural reforms needed to modernize the economy and to produce more competitive, export-driven industries. A highlight of this commitment is the recent meeting of the Asian Pacific Economic Forum (APEC) that was held in Vietnam in 2006. Vietnam's vision and economy continues to propel the nation forward as an emerging leader in Southeast Asia.



Hanoi

Often referred to as the "Paris of the East," Hanoi is the thriving capital city of Vietnam. Since its first incarnation as the capital city in 1010, Hanoi (meaning "bend in the river") has centered around its environment along the Red River. Combining French and Chinese design with its own unique blend of culture in its pagodas, temples, museums, landmarks, shopping, and cuisine, Hanoi represents the crossroads of Vietnamese culture. With its tree-lined avenues and dotted lakes, Hanoi is a visitor's delight offering, for example, a perfect setting for an afternoon walk and a stop at one of the city's many French-style cafes while taking in the bustling atmosphere. Sightseeing highlights include the Ho Chi Minh Mausoleum and Museum; the Hoa Lo Prison, sometimes known as the "Hanoi Hilton," now a museum; the National Art Museum; Hoan Kiem Lake; and the winding maze of streets of the Old Quarter, filled with shops of all varieties. Modern Hanoi is a city unto itself that pays due respect to its past, its people, and its opportunities for the future.

Trip to Halong Bay

The Conference will feature a trip to Halong Bay, a dramatically beautiful and unique World Heritage Site.

Halong Bay is situated in the northeast region of Vietnam, in the Gulf of Tonkin, and covers an area of 1533 sq km with 1,969 islands including 980 named islands. Halong Bay is an outstanding example of a Karst landscape which is the result of a complex geological process taking over a hundred million years to create. Each island is a unique limestone formation. Once a massive plateau, as sea water rose and rainwater eroded the tops, fantastic formations

were created and now exist in ever changing states. Within the islands of the bay, there are also hundreds of caves, 5,000 to 8,000 years in the making.

Halong Bay's island and coastal area provide a wide range of habitats and ecosystems. There are an estimated 400 species of fish, 500 species of benthos, 160 species of coral, 355 species of plankton, 140 species of seaweed, 7 types of seagrass, and 34 varieties of mangroves. In addition, Halong Bay has served as a home to traditional Vietnamese maritime families for more than eight generations. These families live on the water, respecting the source of their livelihood, food, and shelter.

Halong Bay was recognized as one of the UNESCO World Heritage Sites in 1994. Since that time, the Halong Bay Management Department was established in 1995 with the mission of the management, conservation, and development of Halong Bay. The Cua Van Floating Cultural Center was created as a part of the bay as a place for unique educational opportunities for the public about the natural and economic values of Halong Bay. It also serves as a community meeting center for the Halong Bay fishing communities for educational and civic opportunities. Halong Bay is a beautiful picturesque natural area, created by nature, and nurtured by its people.

An overnight field trip to Halong Bay has been organized from April 10 to 11 at the end of the conference. Please note this is an add-on expense that individual conference participants will incur at their own cost. Total cost of the field trip may be obtained at the Tour Registration Desk.

Additional Tour Information

Detailed conference information is available at www.globaloceans.org/globalconferences/2008/



Conference Program

April 3 to April 7, 2008 Concurrent Pre-Conference Meetings
April 8-11, 2008, Global Conference

THURSDAY, APRIL 3

CONCURRENT PRE-CONFERENCE MEETINGS

- 9:00AM–5:00PM ***Asian Regional Workshop on Stakeholder Engagement in International Waters Management***, Jessica Troell, Environmental Law Institute and Dann Sklarew, GEF/IW:LEARN
- 9:00AM–5:00PM ***Ecosystem-based Aquaculture and Fisheries Management***, National Oceanic and Atmospheric Administration (NOAA), World Conservation Union (IUCN), World Wide Fund for Nature (WWF) and the Ministry of Agriculture and Rural Development (MARD) (Vietnam Institute of Fisheries Economics and Planning (VIFEP), Research Institute for Aquaculture No.1/ Norwegian Agency for Development Cooperation (RIA1/NORAD), Strengthening Capture Fisheries Management (SCAFI))
- 9:00AM-5:00PM ***Designing Payments for Ecosystem Services***, James Oliver and Mark Smith, IUCN, Janot-Reine Mendler de Suarez, GEF/IW:LEARN and the World Bank Institute

FRIDAY, APRIL 4

CONCURRENT PRE-CONFERENCE MEETINGS

- 9:00AM–5:00PM ***Asian Regional Workshop on Stakeholder Engagement in International Waters Management***, Environmental Law Institute and GEF/IW:LEARN (*Continuation*)
- 9:00AM-4:00PM ***Vietnam's Marine Protected Areas Network: Lessons Learned, Challenges, Management Issues and Opportunities***, Livelihoods in and around Marine Protected Areas (LMPA)/Danida Project, IUCN Viet Nam, WWF Viet Nam and Centre for Marinelife Conservation and Community Development (MCD)
- 9:00AM–5:00PM ***Small Island Developing States (SIDS) Ocean Strategy Workshop***, Pacific Islands Applied Geoscience Commission (SOPAC) and Global Forum on Oceans, Coasts, and Islands
- 9:00AM–5:00PM ***Ecosystem-based Aquaculture and Fisheries Management***, National Oceanic and Atmospheric Administration (NOAA), World Conservation Union (IUCN), World Wide Fund for Nature (WWF) and the Ministry of Agriculture and Rural Development (MARD) (Vietnam Institute for Fisheries Economics and Planning (VIFEP), Norwegian Agency for Development Cooperation (RIA1/NORAD), Strengthening Capture Fisheries Management (SCAFI)) (*Continuation*)
- 9:00AM-5:00PM ***Designing Payments for Ecosystem Services***, IUCN, GEF/IW:LEARN and the World Bank Institute (*Continuation*)

**SATURDAY, APRIL 5****CONCURRENT PRE-CONFERENCE MEETINGS**

- 9:00AM–4:00PM **Vietnam’s Marine Protected Areas Network: Lessons Learned, Challenges, Management Issues and Opportunities**, LMPA/Danida Project, IUCN Viet Nam, WWF Viet Nam and MCD (*Continuation*)
- 9:00AM–5:00PM **Workshop on Ecosystems and Uses in Marine Areas Beyond National Jurisdiction**, Global Forum on Oceans, Coasts, and Islands, Nippon Foundation (Leads: Salvatore Arico, UNESCO, Biliانا Cicin-Sain and Miriam Balgos, Global Forum, Sivu Maqungo, South Africa, David Freestone, World Bank)
- 9:00AM–5:00PM **Designing Payments for Ecosystem Services**, IUCN, GEF/TW:LEARN and the World Bank Organization (*Continuation*)
- 1:00–5:00PM **Responding to Capacity Development Needs in Ocean and Coastal Management in Africa**, Ali Mohamed, New Partnership for Africa’s Development (NEPAD), Indumathie Hewawasam, Consultant to The World Bank
- 5:00–6:30PM **Meeting of Public Education and Outreach Group**

SUNDAY, APRIL 6

- 9:00AM–1:00PM **CITY TOURS** (sign-up form available on website www.globaloceans.org)

CONCURRENT PRE-CONFERENCE MEETINGS

- 2:00 to 4:00 PM **Working Group Meetings (to review Working Group policy briefs and next policy steps)** (timeframe may be extended as needed)
- Ecosystem Management and Integrated Coastal and Ocean Management by 2010 and Indicators for Measuring Progress**, Steven Murawski, U.S. National Oceanic and Atmospheric Administration; Biliانا Cicin-Sain, Global Forum; Nguyen Chu Hoi, Vietnam, Julian Barbieri and Stefano Belfiore, IOC
- Marine Biodiversity and Networks of Marine Protected Areas**, Jihyun Lee, Convention on Biological Diversity, Marea Hatzios, World Bank, Sue Wells, Consultant
- Small Island Developing States and Implementation of the Mauritius International Strategy**, Rolph Payet, Seychelles; Ambassador Angus Friday (Grenada); Ambassador Tuiloma Neroni Slade (Samoa); Ambassador Jagdish Koonjul (Mauritius)
- Linking Freshwater to Coasts to Oceans**, Torkil Jonch-Clausen, Denmark; Dr. Gonzalo Cid, Thomas Laughlin, and Gonzalo Cid, U.S. National Oceanic and Atmospheric Administration; Andy Hudson, UNDP
- Fisheries and Aquaculture: Sustainability and Governance**, Rebecca Lent, U.S. National Oceanic and Atmospheric Administration; Chris Tompkins, DEFRA, UK; Le Thanh Luu, Vietnam
- Maritime Transportation** (under formation), Gerard J. Mangone, University of Delaware, Neil Anthony Bellefontaine, World Maritime University, Sweden, Jose Matheickal, IMO

4:00 to 6:00 PM

Climate, Oceans, and Security, Gunnar Kullenberg, Janot-Reine Mendler de Suarez, GEF:IWLEARN, Biliانا Cicin-Sain, Global Forum, Ik Kyo Chung, Pusan National University, Korea, Kateryna Wowk, Global Forum

Implementing the Ecosystem-Based Approach in Large Marine Ecosystems, Ken Sherman, U.S. National Oceanic and Atmospheric Administration; Thomas Laughlin, U.S. National Oceanic and Atmospheric Administration; Marie-Christine Aquarone, U.S. National Oceanic and Atmospheric Administration; Chidi Ibe, UNIDO

Governance of Marine Ecosystems and Uses in Areas Beyond National Jurisdiction, Salvatore Arico, UNESCO, Sivu Maqungo, South Africa, David Freestone, World Bank, Biliانا Cicin-Sain, Global Forum, Miriam Balgos, Global Forum, Marjo Vierros, UN University, Yokohama

Capacity Development, Ali Mohamed, NEPAD, Indumathie Hewawasam, World Bank, Faz Ali, University Consortium of Small Island States, Trinidad and Tobago, Prof. Dr. Mai Trong Nhuan, Vietnam National University

Compliance and Enforcement, Carl Bruch, Environmental Law Institute, Daniela Chitu, European Commission

Public Education and Outreach, Philippe Vallette, World Ocean Network, Peter Neill, World Ocean Observatory, Vu Van Trieu, IUCN Vietnam

7:00PM

Informal get-together for conference participants (no-host) at Melia Hotel Latino Lounge

MONDAY, APRIL 7

8:00AM–5:00PM

CONFERENCE REGISTRATION

CONCURRENT PRE-CONFERENCE MEETINGS

9:00AM–4:30PM

An International Dialogue on Illegal, Unreported, and Unregulated (IUU) Fishing, Rebecca Lent, National Marine Fisheries Service, U.S. National Oceanic and Atmospheric Administration; The International Monitoring, Control and Surveillance (MCS) Network

9:00AM–12:00 Noon

Sharing Experiences and Lessons in Ecosystem-based Regional Ocean Governance, Kenneth Sherman, U.S. National Oceanic and Atmospheric Administration; Jan Thulin, GEF Baltic Sea Regional Project; Chidi Ibe, UNIDO; Michael O’Toole, Benguela Current Large Marine Ecosystem Programme; Al Duda, GEF

9:00AM–12:00 Noon

Mainstreaming Adaptation to Climate Change and Variability – Guidance for Coastal Planning and Development, Pam Rubinoff, University of Rhode Island and John Furlow, USAID

2:00–4:00PM

Coordinating meeting for Coral Triangle Initiative, Tonny Wagey, MOMAF, Indonesia; TBA, Asian Development Bank; Anna Tengberg, UNDP; Frazer McGilvray, Conservation International; James Hardcastle, The Nature Conservancy; World Wildlife Fund

2:00–5:00PM

Ecosystem Services and their Valuation, Anjan Datta, UNEP/GPA and Dr. Vo Si Tuan, UNEP/GEF South China Sea Project



HIGH-LEVEL ROUNDTABLE DISCUSSION AND RECEPTION *(by invitation)*

4:00-6:00PM **INFORMAL ROUNDTABLE DISCUSSION FOR MINISTERS AND HIGH-LEVEL AND EMINENT PARTICIPANTS** on addressing oceans, climate, and biodiversity issues, especially a Post-Bali update *(by invitation)*

Co-Chairs:

Mrs. Monique Barbut, Chief Executive Officer, Global Environment Facility

Dr. Cao Duc Phat, Minister, Vietnam Ministry of Agriculture and Rural Development

6:00-7:00PM **High-Level Reception**, Melia Hotel *(by invitation)*

7:00PM **Informal get-together for conference participants at Melia Hotel Latino Lounge**



TUESDAY APRIL 8

Morning

7:30AM-5:00PM **Conference Registration**

All participants are kindly asked to be seated by 8:30AM for Conference Opening.

CONFERENCE OPENING

8:40-9:00AM **Welcome: Vietnamese Cultural Presentation**

Master of Ceremonies: Dr. Le Van Minh, Director General, International Cooperation Department, Ministry of Agriculture and Rural Development

9:00-9:30AM **Welcome by Conference Co-Chairs and Eminent Persons**

Dr. Biliانا Cicin-Sain, Co-Chair and Head of Secretariat, Global Forum on Oceans, Coasts, and Islands and Co-Chair, Fourth Global Conference on Oceans, Coasts, and Islands

His Excellency Minister Dr. Cao Duc Phat, Ministry of Agriculture and Rural Development and Co-Chair, Fourth Global Conference on Oceans, Coasts, and Islands

Mrs. Monique Barbut, Chief Executive Officer, Global Environment Facility

Dr. Veerle Vandeweerd, Director, Environment and Energy Group United Nations Development Programme (UNDP) and Co-Chair, Global Forum on Oceans, Coasts, and Islands

Mr. Ibrahim Thiaw, Director, Division of Environmental Policy Implementation (DEPI), UNEP and Co-Chair, Fourth Global Conference on Oceans, Coasts, and Islands

Mr. Javier Armando Valladares, Chairperson, Intergovernmental Oceanographic Commission, UNESCO

9:30-9:40AM **Vietnam and the Oceans: Economic Development and Environmental Sustainability**, His Excellency Deputy Prime Minister Dr. Pham Gia Khiem, Minister of Foreign Affairs, Vietnam

9:40-9:50AM **Large Marine Ecosystems, Climate, and Biodiversity: An International Action Agenda**, Mrs. Monique Barbut, Chief Executive Officer, Global Environment Facility

9:50-10:05AM **Achieving Ecosystem Management and Integrated Coastal and Ocean Management in the Context of Climate Change: Conference Objectives and Overview**, Dr. Biliانا Cicin-Sain, Co-Chair and Head of Secretariat, Global Forum on Oceans, Coasts, and Islands

10:05-10:15AM **Political Mobilization for Effective Ocean Governance in the Context of Ecosystem Management and Climate Change**, Hon. Mr. Freddy Numberi, Minister of Marine Affairs and Fisheries, Indonesia (Chair, World Ocean Conference 2009)

10:15-10:30AM Coffee/Tea Break



Master of Ceremonies: Dr. Nguyen Chu Hoi, Director, Vietnam Institute of Fisheries Economics and Planning

**PLENARY
PANEL 1.**

**OCEANS, CLIMATE, AND SMALL ISLAND
DEVELOPING STATES**

10:30-10:45AM Co-Chairs: Dr. Rolph Payet, Advisor to the President of Seychelles
Ambassador Tuiloma Neroni Slade, Samoa
Dr. Nguyen Hong Thao, Vice-Chair of Committee of National Boundaries of Ministry of Foreign Affairs, Vietnam

10:45–10:55AM **KEYNOTE ADDRESS: Climate Change, Oceans, and Vulnerable Communities and Ecosystems: The Imperative for International Responses to the Climate Divide, President James Alix Michel, President of Seychelles (video presentation)**

10:55–11:10AM **Report of the Working Group on Small Island Developing States and the Mauritius Strategy**, Dr. Rolph Payet, Advisor to the President of Seychelles

11:10–11:20AM Ambassador Angus Friday, Grenada (Chair, Alliance of Small Island States)

11:20–11:30AM Ambassador Jagdish Koonjul, Mauritius (Former Chair, Alliance of Small Island States)

11:30–11:40AM Ambassador Tuiloma Neroni Slade, Samoa (First Chair, Alliance of Small Island States)

11:40–11:50AM Honorable Mr. Noah Idechong, Congressman, House of Delegates, Palau

11:50–12:00Noon Discussion

12:00–1:20PM LUNCH BREAK

Afternoon

Master of Ceremonies: Dr. Nguyen Chu Hoi, Director, Vietnam Institute of Fisheries Economics and Planning

**PLENARY
PANEL 2.**

**ECOSYSTEM MANAGEMENT AND INTEGRATED
OCEAN AND COASTAL MANAGEMENT BY 2010:
CHALLENGES TO DECISION-MAKERS**

1:20–1:40PM Co-Chairs: Dr. Alfred M. Duda, Senior Advisor, International Waters, GEF
Mr. Ibrahim Thiaw, Director, Division of Environmental Policy Implementation (DEPI), UNEP
Dr. Andrew Hudson, Principal Technical Advisor, International Waters, UNDP-GEF
Prof. Dr. Nguyen Chu Hoi, Institute of Fisheries Economics and Planning, Ministry of Agriculture and Rural Development, Vietnam

- 1:40–1:55PM ***Next Steps in Achieving Ecosystem-Based Integrated Governance of Oceans and Coasts: Global Perspectives and Perspectives from East Asia***, Dr. Chua Thia-Eng, Chair, East Asian Seas Partnership Council
- 1:55–2:05PM ***GEF Financing for Implementing Ecosystem-Based Approaches at Different Scales in Large Marine Ecosystems***, Dr. Alfred M. Duda, Senior Advisor, International Waters, GEF Secretariat
- 2:05–2:15PM ***China: Integrated Ocean and Coastal Management and Ecosystem-based Management and Climate Change***, Mr. Zhang Hongsheng,* Administrator, State Oceanic Administration, China
- 2:15–2:25PM ***USA: Moving Toward Integrated Ecosystem-Based Management***, Dr. Steven Murawski, Director of Scientific Programs and Chief Science Advisor, U.S. National Oceanic and Atmospheric Administration
- 2:25–2:35PM ***Achieving Integrated Oceans Governance at the National Level: The New Japanese Basic Ocean Law***, Mr. Shinji Soeda, Secretariat of the Headquarters for Ocean Policy, Cabinet Secretariat, Japan
- 2:35–2:45PM ***Climate, Oceans, Coasts: Charting a Medium-Term International Agenda***, Mr. Ibrahim Thiaw, Director, Division of Environmental Policy Implementation (DEPI), UNEP
- 2:45–2:55PM ***Putting Oceans at the Center of Global Concerns: Perspectives from Monaco***, H.E. Dr. Patrick Van Klaveren, Head of International and Mediterranean Environment Service, Principality of Monaco
- 2:55–3:05PM ***Balancing Environmental and Socio-economic Interests in Nature Tourism in the Context of Climate Change***, Ms. Teresita S. Castillo, Undersecretary, Department of Environment and Natural Resources, Philippines
- 3:05–3:15PM ***Integrated Coastal Zone Management in the Context of Adaptation to Climate Changes in Brazil***, Dr. Rudolf Noronha, Director, Department of Environmental Quality, Ministry of Environment, Brazil
- 3:15–3:40PM **Coffee/Tea Break**
- 3:40–3:50PM ***Challenges and Perspectives for Integrated Management of Coastal Zones in India***, Dr. Arumugam Senthilvel, Additional Director, Ministry of Environment and Forests, Government of India
- :50–4:00PM ***Implementing Ecosystem-based Fisheries Management in Angola***, Dr. Francisca Delgado, General Director, National Institute for Fisheries Research, Angola
- 4:00–4:10PM ***Adaptation to Climate Change and Renewable Energy: Keys to Achieving Ecosystem Management***, Dr. Veerle Vandeweerd, Director, Environment and Energy Group, United Nations Development Programme
- 4:10–4:20PM ***Linking the Management of Freshwater, Coasts, and Oceans***, Dr. Torkil Jonch-Clausen, Danish Hydraulic Institute and Global Water Partnership



4:20–4:30PM ***Toward a Global Assessment of Marine Ecosystems: Status and Prospects***, Mr. Julian Barbieri, Intergovernmental Oceanographic Commission, UNESCO

4:30–4:40PM ***Marine Biosecurity: A Major Challenge to Ecosystem Management***, Dr. Jose Matheickal, Chief Technical Advisor, Global Ballast Water Management Programme, IMO

4:45–6:45PM **CONCURRENT DISCUSSION SESSIONS**

◆ ***Advancing the Implementation of the Small Island Developing States (SIDS) Mauritius Strategy***

Ambassador Angus Friday, Chair, AOSIS (Chair)

Mr. Bruce Chapman, Pacific Futures Programme, SPREP

Mr. Nguyen Hong Thao, Vice-Chair of Committee of National Boundaries of Ministry of Foreign Affairs, Vietnam

◆ ***Experiences in the Practical Implementation of Country-Driven GEF LME Programs***,

Dr. Kenneth Sherman, U.S. National Oceanic and Atmospheric Administration (Chair)

Dr. Chidi Ibe, Regional Coordination Unit, The Guinea Current LME Project and Commission, Accra, Ghana

Dr. Michael O'Toole, Programme Coordination Unit, The Benguela Current Large Marine Ecosystem (BCLME), Windhoek, Namibia

Prof. Qisheng Tang, Yellow Sea LME Project Yellow Sea Fisheries Research Institute, Qingdao, China

Mr. Hyung Tack Huh, Yellow Sea LME Project, KORDI, Republic of South Korea

Mr. Yihang Jiang, Yellow Sea LME Project, UNDP

Dr. Jan Thulin, The Baltic Sea Large Marine Ecosystem Programme (BSLME), Copenhagen, Denmark

Dr. Antonio Diaz de Leon Corral, The Gulf of Mexico and Caribbean Sea LME Projects, SEMARNAT, Mexico

◆ ***Progress Markers***

Mr. Julian Barbieri, IOC (Chair)

Mr. Zac Hart, Coastal Services Center, U.S. National Oceanic and Atmospheric Administration

Mr. Steven Purvis, Department of Fisheries and Oceans, Canada

◆ ***Integrated Coastal and Ocean Policies: National Perspectives—1 National Ocean Policies of France, Indonesia, Japan, Korea, Philippines, Russian Federation, Vietnam:***

Mr. Hiroshi Terashima, Ocean Policy Research Foundation, Japan (Chair)

Mr. Stephen Adrian Ross, Acting Executive Director, PEMSEA

Dr. Nguyen Ba Son, Director of Department of International Law and Treaties of the Ministry of Foreign Affairs, Vietnam

Dr. Yves Henocque, French Research Institute for Exploitation of the Sea (IFREMER), France

Dr. Indroyono Soesilo, Ministry of Marine Affairs and Fisheries, Indonesia

Prof. Moritaka Hayashi, Ocean Policy Research Foundation, Japan

Mr. Jae Young Lee, Ministry of Land, Transport, and Maritime Affairs, Republic of Korea

Mr. Robert Jara, Department of Environment and Natural Resources, Philippines

Dr. Vladimir Golitsyn, Professor, Moscow State Institute of International Relations, Russian Federation

Dr. Nguyen Chu Hoi, VIFEP, and Hoang Ngoc Giao, Vietnam National University

◆ ***Dealing with Changes in Oceans: Ocean Warming, Ocean Acidification, Changes in Polar Regions***

Dr. Gunnar Kullenberg, former Executive Secretary, IOC/UNESCO (Chair)

Dr. Vu Thanh Ca, Director, Center for Marine and Ocean Atmosphere Interaction Research

◆ ***Marine Transportation***

Dr. Jose Matheickal, IMO (Chair)

Dr. Gerard J. Mangone, College of Marine and Earth Studies, University of Delaware

Mr. Vu The Quang, Director of Legal Department of Vietnam Maritime Administration

◆ ***Capacity Development Among the Community of Portuguese-Speaking Nations,***

Dr. Ademilson Zamboni, Ministry of Environment, Brazil

Ms. Isabel Torres de Noronha, Portugal, Community of Portuguese-Speaking Nations

◆ ***Building Networks of Local Officials for Integrated Coastal and Ocean Governance***

Mr. Patrick Anvrouin, Commission Peripherique des Regions Maritimes, Europe (Chair)

Ms. Nancy Bermas, PEMSEA

Mr. Ralph Cantral, U.S. National Oceanic and Atmospheric Administration

Honorable Councilwoman Stephanie McClellan, New Castle County, Delaware



Dr. Tran Duc Thanh, Institute of Marine Environment and Resources of VAST

Dr. Do Cong Thung, Institute of Marine Environment and Resources of VAST

7:30–8:30PM

WELCOME RECEPTION, Melia Hotel (Sponsored by the Ministry of Marine Affairs and Fisheries, Government of Indonesia)

- World Ocean Conference 2009
- Launching of UNEP Report on Climate Change and Large Marine Ecosystems
- Viewing of LME DVDs and IMO DVD on GloBallast Programme
- Celebration of 2008 International Year of the Reef
- Presentation of Global Forum Special Recognition Awards

WEDNESDAY, APRIL 9

Morning

8:00 AM–5:00PM

Conference Registration

Master of Ceremonies: Ms. Janot-Reine Mendler de Suarez, Deputy Director, GEF IW:LEARN

PLENARY PANEL 3.

FISHERIES AND AQUACULTURE: SUSTAINABILITY AND GOVERNANCE

9:00–9:10AM

Co-Chairs: Dr. Rebecca Lent, U.S. National Oceanic and Atmospheric Administration
 Dr. Nguyen Chu Hoi, Vietnam Institute of Fisheries Economics and Planning
 Dr. Le Thanh Luu, Director of Research Institute for Aquaculture, Ministry of Agriculture and Rural Development

9:10–9:25AM

Global Challenges in Fisheries Management (Report of the Working Group on Fisheries and Aquaculture), Dr. Rebecca Lent, U.S. National Oceanic and Atmospheric Administration

9:25–9:35AM

Challenges in Fisheries Management in Vietnam, Dr. Nguyen Viet Thang, Vice Minister for Fisheries, Ministry of Agriculture and Rural Development, Vietnam

9:35–9:45AM

Ocean Use Access Agreements in EEZs of Developing Nations, Mr. Kilus Nguvauva, Vice-Minister, Ministry of Fisheries and Marine Resources, Namibia

9:45–9:55AM

Reforming Regional Fishery Management Organizations, Mr. Chris Tompkins, Independent Consultant, United Kingdom

9:55–10:05AM

Tuna: A Global Sustainability and Governance Challenge, Ms. Lorraine Ridgeway, Department of Fisheries and Oceans, Canada

10:05-10:25 AM **Commentary:** Professor Moritaka Hayashi, Ocean Policy Research Foundation, Japan, and former Assistant Director-General, Food and Agriculture Organization (FAO)

10:05–10:20AM **Discussion**
Moderator: Dr. Rebecca Metzner, FAO

10:25–10:45AM Coffee/Tea Break

PLENARY PANEL 4.

HALTING LOSS OF BIODIVERSITY AND ESTABLISHING REPRESENTATIVE NETWORKS OF MARINE PROTECTED AREAS

10:45–11:00AM Co-Chairs: Dr. Jihyun Lee, Convention on Biological Diversity Secretariat (CBD)
Prof. Dr. Do Van Khuong, Director of Research Institute of Marine Fisheries, Vietnam

11:00–11:15AM **Working Group Report on Halting Marine Biodiversity Loss and Establishing Representative Networks of Marine Protected Areas**, Dr. Jihyun Lee, CBD Secretariat and Ms. Sue Wells, Independent Consultant

11:15–11:25AM **Global Challenges in Marine Biodiversity Conservation**, Ms. Nicole Glineur, Biodiversity Program Manager, Global Environment Facility

11:25–11:35AM **MPA Advances in Small Island Developing States**, Dr. Rolph Payet, Special Advisor to the President of Seychelles, and James Hardcastle, Senior Conservation Finance and Policy Advisor, Asia-Pacific, The Nature Conservancy

11:35–11:45AM **MPA Effectiveness and Coral Reef Conservation**, Dr. Marea Hatziolos, Senior Coastal and Marine Specialist, Environment Department, The World Bank

11:45–11:55AM **Marine Protected Areas in Vietnam: Lessons Learned and Common Experiences in Southeast Asia (+ Report of the Pre-conference workshop)**, Mr. Nguyen Giang Thu, Project Director of Livelihoods and MPAs, Vietnam

11:55AM-12:05PM **Reversing Trends in Environmental Degradation in the South China Sea and Gulf of Thailand through Marine Refugia**, Dr. Vo Si Tuan, Former Senior Expert, UNEP DGEF, Institute of Oceanography, Vietnam, UNEP/GEF South China Sea Project

12:05–12:15PM **Building MPA Success From Within: Professionalizing the MPA Staff**, Dr. Julius Francis, Executive Secretary, Western Indian Ocean Marine Science Association (WIOMSA), Tanzania

12:15–12:30PM Discussion

12:30-1:30 Lunch

Afternoon

Master of Ceremonies: Ms. Janot-Reine Mendler de Suarez, Deputy Director, GEF IW:LEARN

**PLENARY
PANEL 5.****OCEANS And CLIMATE**

- 1:30–1:40PM Co-Chairs: Dr. Gunnar Kullenberg, former Executive Secretary, Intergovernmental Oceanographic Commission, UNESCO
Ms. Janot-Reine Mendler de Suarez, GEF IW:LEARN
Dr. Vu Thanh Ca, Vietnam Institute of Meteorology and Hydrology
- 1:40–1:55PM **Report of the Working Group on Climate, Oceans, and Security**, Dr. Gunnar Kullenberg, former Executive Secretary, Intergovernmental Oceanographic Commission, UNESCO
- 1:55–2:05PM **Practical Measures for Adapting to Climate Change**, Ms. Pamela Rubinoff, Coastal Resources Center, University of Rhode Island
- 2:05–2:15PM **Accelerated Global Warming and The Emerging Trends in Fisheries Biomass Yields in LMEs: “Cap and Sustain” Approach**, Dr. Kenneth Sherman, GEF LME Programme and U.S. National Oceanic and Atmospheric Administration
- 2:15–2:25PM **Climate Change and Public Health Issues**, Dr. Paul Epstein, Center for Health and the Global Environment, Harvard University Medical School
- 2:25–2:35PM **Climate Variability and Hazards**, Dr. Nguyen Huu Ninh, Chairman, Center for Environment Research, Education and Development, Vietnam National University, and Coordinator, Indochina Global Change Network
- 2:35–2:45PM **Large Scale Marine Renewable Power**, Dr. Willett Kempton, College of Marine and Earth Studies, University of Delaware
- 2:45–2:55PM **Korea: Integrated Coastal Zone Management in the Context of Climate Change**, Mr. Gijun Han, Ministry of Land, Transport, and Maritime Affairs, Republic of Korea
- 2:45–3:15PM Discussion
- 3:15–5:15PM CONCURRENT DISCUSSION SESSIONS Coffee/Tea Break**
All participants are kindly asked to get their coffee/tea and proceed to the Concurrent Session Rooms.
- ◆ **Practical Solutions to Climate Change Adaptation**
Prof. Ik Kyo Chung, Pusan National University, Korea (Chair)
Mr. Gi-Jun Han, Ministry of Land, Transport, and Maritime Affairs, Republic of Korea
Dr. David Zilkoski, National Geodetic Survey, U.S. National Oceanic and Atmospheric Administration
Dr. Edward Cyr, National Marine Fisheries Service, Marine Ecosystems Division, U.S. National Oceanic and Atmospheric Administration

Dr. Le Trong Binh, Research Institute for Tourism Development (MCIS, Vietnam)

Dr. James McGoodwin, University of Colorado

◆ ***Mitigation Measures to Climate Change Impacts: Encouraging Alternative Sources of Energy: Wind, Waves, Tides, Currents, OTEC***

Dr. Willett M. Kempton, University of Delaware

◆ ***Uses of Marine Ecosystems in Areas Beyond National Jurisdiction (Bioprospecting, Fisheries, Deep Seabed Mining, Maritime Transportation, Communication Cables: Opportunities for Enhancing the Management Frameworks***

Mr. Mick Green, International Cable Protection Committee (Chair)

Dr. Raphael Billé, IDDRI, France

Dr. Hoang Ngoc Giao, School of Law, Vietnam National University, Hanoi

◆ ***Integrated Coastal and Ocean Policies: 2—Regional Perspectives***

Mr. Masahiro Akiyama, Chairman, Ocean Policy Research Foundation, Japan (Chair)

Mr. Ellik Adler, Coordinator, UNEP Regional Seas Programme

Mr. Vincent Sweeney, Caribbean IWCAM program

Mr. Stephen Adrian Ross, PEMSEA

Mr. Ivica Trumbic, Director, UNEP/MAP Priority Actions Programme

Mr. Gonzalo Pereira, Secretary-General, Permanent Commission of the South Pacific (CPPS)

Mr. Arthur Webb, SOPAC

Mr. Xiaodong Zhong, Deputy Coordinator, Northwest Pacific Action Plan, UNEP

◆ ***Controlling Fishing Overcapacity***

Dr. Rebecca Metzner, FAO (Chair)

Ms. Lorraine Ridgeway, Department of Fisheries and Oceans, Canada

Mr. Len Garces, WorldFish Centre, Malaysia

◆ ***Doing Aquaculture Right***

Mr. Serge Garcia, former Director, FAO (Chair)

Dr. Le Thanh Luu, Director of Research Institute for Aquaculture

◆ ***Mainstreaming Coastal and Marine Issues into National Planning and Budgetary Processes***

Dr. Anjan Datta, UNEP/GPA, Netherlands

Prof. John Soussan, Director, Water Resources and Sanitation Programme, Stockholm Environment Institute, Sweden



Dr. Vo Si Tuan, UNEP/GEF South China Sea Project
Dr. Pierre Failler, University of Portsmouth, UK and
Dr. Gianluca Ferraro, University of Leuven, Belgium

◆ ***Freshwater-to-Oceans and Preparations for the Fifth World Water Forum***

Dr. Torkil Jonch-Clausen, Danish Hydraulic Institute and Global Water Partnership (Chair)
Mr. Tom Laughlin, U.S. National Oceanic and Atmospheric Administration
Dr. Gonzalo Cid, International Program Office, U.S. National Oceanic and Atmospheric Administration
Dr. Nguyen Ngoc Huan, Acting Director of National Steering Committee Office for Marine Resources and Environment Survey and Management
Mr. Andrew Hudson, UNDP
Dr. J. Sundaresan, Council of Scientific and Industrial Research, India

◆ ***Enhancing UN Coherence: Global Regional Assessment of Marine Environments, UN-Oceans, and One UN Pilot Programme***

Dr. Stefano Belfiore, IOC/UNESCO (Chair)
Mr. Koos Neefjes, UNDP Vietnam
Ms. Melissa Schliebs, UNESCO Vietnam

◆ ***Next Steps in Assessing Progress in Halting Biodiversity Loss by 2010***

Dr. Jihyun Lee, Environmental Affairs Officer, Convention on Biological Diversity Secretariat
Prof. Dr. Do Van Khuong, Director of Research Institute of Marine Fisheries, Vietnam

◆ ***Compliance and Enforcement***

Ms. Maria Fuensanta Candela Castillo, European Commission and
Mr. Carl Bruch, Environmental Law Institute (Co-Chairs)

◆ ***Capacity Building***

Dr. Indumathie Hewawasam, World Bank Consultant (Chair)
Dr. Fazal Ali, University Consortium of Small Island States
Mr. Takashi Ito, The Nippon Foundation, Japan
Dr. Joeli Veitayaki, University of South Pacific
Professor Dr. Mai Trong Nhuan, President, National University, Hanoi
Mr. Ali Mohamed, NEPAD, Kenya

◆ ***Public Education and Outreach***

Mr. Philippe Vallette and Mr. Manuel Cira, NAUSICAA and World Ocean Network
Mr. Peter Neill, World Ocean Observatory

6:00–7:00PM

Dr. Anthony Ribbink, Sustainable Seas Trust, South Africa
 Dr. Vu Van Trieu, Country Representative, IUCN Vietnam
 Prof. Dr. Nguyen Hoang Tri, Director of Center for Environmental
 Research and Education

**RECEPTION (Sponsored by the Partnerships in Environmental
 Management for the Seas of East Asia (PEMSEA))**

◆ PEMSEA Events

Opening Message, Mr. Stephen Adrian Ross, Acting Regional
 Director, PEMSEA

Presentation of EAS Congress 2009 Video

Launching of Book on Securing the Oceans: Introduction
 and Messages from the Authors, Dr. Chua Thia-Eng and
 Dr. Gunnar Kullenberg

- ◆ Poster Presentations (during the poster presentations, participants
 will have the opportunity to express their opinions on Halong Bay
 as a nominee for the New Seven Wonders of Nature)
- ◆ Launching of the Young Professional Ocean Leaders Network
- ◆ Launching of the Public Education Information Packet
- ◆ Announcement: World Ocean Day

THURSDAY, APRIL 10

Morning

Master of Ceremonies: Dr. Miriam Balgos, Program Coordinator,
 Global Forum on Oceans, Coasts, and Islands

8:00–9:00AM

Announcements and Instructions on Field Trip to Halong Bay

**PLENARY
 PANEL 6.**

**GOVERNANCE OF MARINE AREAS BEYOND
 NATIONAL JURISDICTION**

9:00-9:10AM

Co-Chairs: Ms. Gabriele Goettsche-Wanli, UNDOALOS
 Ambassador Mary Seet-Cheng, Ambassador of
 Singapore to the Republic of Panama and to Cuba
 Dr. Hoang Ngoc Giao, School of Law,
 National University, Hanoi

9:10–9:25AM

**Report of the Working Group on Governance of Marine Areas
 Beyond National Jurisdiction**, Dr. Salvatore Arico, UNESCO and
 Mr. Sivu Maqungo, South Africa

9:25-9:35AM

**KEYNOTE: Integrated Governance of Marine Areas Beyond
 National Jurisdiction: Perspectives from France**, Mr. Laurent
 Stefanini, Ambassador for the Environment, Ministry of Foreign
 and European Affairs, France

9:35–9:45AM

Moving Toward Integrated Governance of Marine Areas Beyond



- 9:45-9:55AM **National Jurisdiction**, Dr. David Freestone, The World Bank
Industry Perspectives on Governance of Marine Areas Beyond National Jurisdiction, Mr. Mick Green, International Cable Protection Committee*
- 9:55-10:05AM **Developing Country Perspectives on Governance of Marine Areas Beyond National Jurisdiction**, Mr. Sivu Maqungo, South Africa
- 10:05-10:15AM **European Perspectives on Governance of Marine Areas Beyond National Jurisdiction**, Ms. Maria Fuensanta Candela Castillo, European Commission
- 10:15-10:25AM **Opportunities for Enhancing Integrated Governance of Marine Areas Beyond National Jurisdiction**, Ms. Lorraine Ridgeway, Department of Fisheries and Oceans, Canada
- 10:25-10:35AM **Opportunities for Enhancing Integrated Governance of Marine Areas Beyond National Jurisdiction: Regional Perspectives**, Dr. David Johnson, OSPAR
- 10:35–10:50AM **Discussion**
Moderator: Mr. Johannes Nieuwenhuis, Marine Policy Coordinator, Ministry of Agriculture, Nature and Food Quality, The Netherlands
- 10:50–11:00AM **Coffee/Tea Break**

PLENARY PANEL 7.

OVERARCHING CROSS-CUTTING ISSUES

- 11:00-11:10AM Co-Chairs: Dr. Anna Tengberg, UNDP, Bangkok
Ms. Nicole Glineur, GEF Secretariat
Prof. Dr. Le Ngoc Hung, Head of the Department of Management Sociology of Ho Chi Minh National Politics and Administration Academy
- 11:10-11:20AM **Capacity Building Strategy/Action Plan**, Dr. Indumathie Hewawasam, World Bank Consultant, Ali Mohamed, NEPAD, Faz Ali, UCSIS, Trinidad, and Tonny Wagey, Indonesia
- 11:20-11:30AM **Progress Markers**, Mr. Ralph Cantral, National Ocean Service, U.S. National Oceanic and Atmospheric Administration
- 11:30–11:40AM **Compliance and Enforcement**, Ms. Maria Fuensanta Candela Castillo, European Commission, and Mr. Carl Bruch, Environmental Law Institute
- 11:40–11:50AM **Long-Term Media Strategy to Advance the Global Oceans Agenda**, Mr. Philippe Vallette, NAUSICAA and World Ocean Network
- 11:50-12:00 Noon **Capacity Building on Global Ocean Governance: The Nippon Foundation Initiatives**, Mr. Takashi Ito, The Nippon Foundation, Japan
- 12:00–12:30PM Discussion
- 12:30-1:30 PM Lunch

Afternoon

Master of Ceremonies: Mr. Julian Barbieri, Programme Specialist,
Intergovernmental Oceanographic Commission, UNESCO

CONFERENCE REPORTS

- 1:30–1:45PM ***Oceans, Climate, and Small Island Developing States***
- 1:45–2:00PM ***Ecosystem Management and Integrated Coastal and Ocean Management***
- 2:00–2:15PM ***Fisheries and Aquaculture: Sustainability and Governance***
- 2:15–2:30PM ***Halting Loss of Biodiversity and Establishing Representative Networks of Marine Protected Areas***
- 2:30–2:45PM ***Oceans, Climate and Security***
- 2:45–3:00PM ***Governance of Marine Areas Beyond National Jurisdiction***
Dr. Nguyen Chu Hoi, VIFEP, Vietnam Government Conference
Focal Point
- 3:00–3:15PM ***Overarching Cross-cutting Issues***
- 3:15–3:45PM Discussion
- 3:45–4:00PM ***Coffee/Tea Break***
Master of Ceremonies: Ms. Janot-Reine Mendler de Suarez,
GEF IW:LEARN

4:00–5:00PM

CLOSING CEREMONY

Dr. Biliانا Cicin-Sain, Co-Chair and Head of Secretariat, Global Forum, and Director, Gerard J. Mangone Center for Marine Policy, University of Delaware (Conference Co-Chair)

Vice-Minister Nguyen Viet Thang, Minister of Agriculture and Rural Development, Vietnam

Mrs. Rejoice Mabudafhasi, Deputy Minister of Environmental Affairs and Tourism, South Africa

Dr. Veerle Vandeweerd, UNDP and Co-Chair, Global Forum on Oceans, Coasts, and Islands

Dr. Torkil Jonch-Clausen, Danish Hydrological Institute and Global Water Partnership

Mr. Sinyo Harry Sarundajang, Governor, North Sulawesi Province, Indonesia

Call for Action: Challenge to Conference Participants,
Ms. Lorraine Ridgeway, Department of Fisheries and Oceans, Canada, and Co-Chair, UN Open-ended Informal Consultative Process on Oceans and the Law of the Sea

6:00PM

Field Trip to Halong Bay

Departure for Halong Bay (Overnight)

FRIDAY, APRIL 11

- 9:00AM Boat Tour of Halong Bay
- 4:00PM Departure for Hanoi



WORKING GROUP LEADERS AND MEMBERS

Global Forum on Oceans, Coasts, and Islands--Strategic Oceans Planning to 2016

The Global forum on Oceans, Coasts, and Islands has undertaken a strategic planning effort for the period 2006-2016 to develop policy recommendations for specific next steps needed to advance the global oceans agenda aimed at governments, UN agencies, NGOs, industry, and scientific groups. To this effect, Working Groups have been organized around 13 major topic areas related to the global oceans commitments made at the 2002 World Summit on Sustainable Development and to emerging issues facing the global oceans community.

The Working Groups have been organized and coordinated by the Global Forum Secretariat, under the direction of Dr. Biliiana Cicin-Sain, Co-Chair and Head of Secretariat, Global Forum on Oceans, Coasts, and Islands, and involving the following staff from the Gerard J. Mangone Center for Marine Policy, University of Delaware: Miriam Balgos, Kateryna Wowk, Caitlin Snyder, Shelby Hockenberry, and Kathleen McCole.



WORKING GROUP ON ECOSYSTEM-BASED MANAGEMENT AND INTEGRATED COASTAL AND OCEAN MANAGEMENT

WORKING GROUP LEADERS:

Steven Murawski and Jack Dunnigan, NOAA
Nguyen Chu Hoi, Ministry of Agriculture and Rural Development, Vietnam
Al Duda and Peter Bjornsen, Global Environment Facility
Gi-Jun Han, Ministry of Maritime Affairs and Fisheries, Republic of Korea
Camille Mageau, Department of Fisheries and Oceans, Canada
Antonio Diaz de Leon and Porfirio Alvarez, Environmental, Regional Integration and Sectoral Policy, Environment and Natural Resources Ministry (SEMARNAT), Mexico
Ellik Adler, UNEP Regional Seas Programme
David Johnson, OSPAR

Khulood Tubaishat, The Regional Organization for the Conservation of the Environment of the Red Sea and Gulf of Aden (PERSGA)

David Freestone, World Bank

Magnus Ngoile, Marine and Coastal Environment Management Project (MACEMP), Tanzania

Ali Mohamed, New Partnership for Africa's Development (NEPAD)

Tonny Wagey, Ministry of Marine Affairs and Fisheries, Indonesia

Indumathie Hewawasam, Independent Consultant

Mick O'Toole, Benguela Current Large Marine Ecosystem Programme

Qinhua Fang, Environmental Science Research Centre of Xiamen University, China

Julian Barbieri and Stefano Belfiore, IOC, UNESCO

Philippe Vallette, World Ocean Network, NAUSICAA, France

Christopher Corbin, Caribbean Environment Programme, UNEP

Margaret Davidson, Zac Hart, and Ginger Hinchcliff, NOAA Coastal Services Center

WORKING GROUP MEMBERS:

Fernando Almuna, Chile

Milton Asmus, International Representative, Brazilian Agency for Coastal Management

Dan Basta, NOAA National Marine Sanctuaries Program

Dominique Benzaken, South Pacific Regional Environment Programme

Fatima Dia Toure, Senegal

Rudolph Dorah, Solomon Islands

Kristina Gjerde, IUCN

Vladimir Golitsyn, former Director, UN-DOALOS

Lynne Hale, Director, Marine Strategy, The Nature Conservancy

Marea Hatzios, World Bank

Andrew Hudson, UNDP

Pablo Huidobro, GEF Gulf of Mexico LME

Timothy Kasten, UNEP, DEPI, Nairobi

Carl Lundin, IUCN

Vladimir Mamaev, UNDP, Europe and the CIS

Yuriy Mikhaylichenko, Ministry of Economic Development and Trade of the Russian Federation

Tony Ribbink, CEO, Sustainable Seas Trust, South Africa

John Richardson, Maritime Policy Task Force, European Commission



Indroyono Soesilo, Agency for Marine and Fisheries Research, Ministry of Marine Affairs and Fisheries, Indonesia
 Kristian Teleki, International Coral Reef Action Network, Switzerland

Hiroshi Terashima, Institute for Ocean Policy, Ocean Policy Research Foundation, Japan

Chika Ukwe, United Nations Industrial Development Organisation

Isabelle Van der Beck, GEF International Waters Projects in Latin America, UNEP

David VanderZwaag, Dalhousie University, IUCN Specialist Group on Ocean Law and Governance

Dixon Waruinge, UNEP Regional Seas Programme

Clive Wilkinson, Global Coral Reef Monitoring Network

Yihang Jiang, GEF Yellow Sea LME

Ignatius KV Kauvee, University of Namibia



WORKING GROUP ON LARGE MARINE ECOSYSTEMS

WORKING GROUP LEADERS:

Ken Sherman, NOAA

Peter Bjornsen, Global Environment Facility

Mick O'Toole, Benguela Current Large Marine Ecosystem Programme



WORKING GROUP MEMBERS:

Chidi Ibe, GCLME

Jan Thulin, ICES and HELCOM

Qisheng Tang, Yellow Sea Fisheries Research Institute

Jan Shaw, National Centre for Marine Conservation and Resource Sustainability, Australian Maritime College

Gotthilf Hempel, Independent Consultant, Germany



WORKING GROUP ON MARINE BIODIVERSITY AND NETWORKS OF MARINE PROTECTED AREAS

WORKING GROUP LEADERS:

Jihyun Lee, Convention on Biological Diversity

Sue Wells, Independent Consultant

Dan Laffoley, World Commission on Protected Areas-Marine, IUCN

Dan Basta, Marine Sanctuaries Program, NOAA

Do Van Khuong, Research Institute of Marine Fisheries

James Hardcastle, The Nature Conservancy

Marea Hatzios, World Bank

Nicole Glineur, Global Environment Facility

WORKING GROUP MEMBERS:

Julian Barbieri, IOC, UNESCO

Stefano Belfiore, IOC, UNESCO

Chu Tien Vinh, National Directorate of Aquatic Resource Protection and Conservation, MARD, Vietnam

Christopher Tompkins, Independent Consultant, UK, formerly with DEFRA

Russell Reichelt, CRC Reef Research Centre, Australia

Nik Sekhran, United Nations Development Programme

Nick Davidson, Ramsar Convention

Julius Francis, WIOMSA Secretariat

Gregor Hodgson, Reef Check

Noah Idechong, Palau Conservation Society

Carl Lundin, IUCN

Arthur Paterson, NOAA IPO

Evelia Rivera-Arriaga, EPOMEX, Mexico

Nirmal Jivan Shah, Nature Seychelles

Marjo Vierros, UNU-IAS

Renee Sauve/Jennifer Mooney, Department of Fisheries and Oceans, Canada





WORKING GROUP ON LINKING THE MANAGEMENT OF FRESHWATER, OCEANS, AND COASTS

WORKING GROUP LEADERS:

Torkil Jönch-Clausen, Danish Hydraulic Institute Water Group, and Global Water Partnership
 Clement Lewsey, NOAA/National Ocean Service/International Program Office
 Antonio Diaz de Leon/Porfirio Alvarez, Ministry of Environment and Natural Resources, SEMARNAT, Mexico
 Alfred Duda, Global Environment Facility
 Andrew Hudson, United Nations Development Programme
 Felix Dodds, Stakeholder Forum for a Sustainable Future
 Tom Laughlin, Office of International Affairs, NOAA

WORKING GROUP MEMBERS:

Margarita Astralaga, IUCN-Spain
 Isaac Azuz-Adeath, Cetys University, Mexico
 Julian Barbieri, Intergovernmental Oceanographic Commission of UNESCO
 Stefano Belfiore, Intergovernmental Oceanographic Commission of UNESCO
 Richard Delaney, Center for Coastal Studies, Provincetown, Massachusetts, USA
 Niels Ipsen, UNEP Collaborating Centre on Water and the Environment, Denmark
 Magnus Johannesson, Secretary-General, Ministry for the Environment, Iceland
 Elizabeth McLanahan/Jennifer Winston, Office of International Affairs, NOAA
 Gonzalo Cid and Jonathan Justi, NOAA/National Ocean Service/International Program Office
 Vincent Sweeney, Caribbean Environmental Health Institute
 Ivan Zavadsky, Global Environment Facility Danube-Black Sea Regional Programme
 Kathryn Mengerink/Jessica Troell, Environmental Law Institute
 Patricia Muñoz, National Polytechnic Institute, Mexico
 Nguyen Ngoc Huan, National Program on Comprehensive Marine Environment and Resource Survey, Vietnam
 Steven Olsen, Coastal Resources Center, University of Rhode Island

Evelia Rivera-Arriaga, Centro Epomex- Universidad Autónoma de Campeche, Mexico
 Ken Sherman, NOAA-NMFS



WORKING GROUP ON FISHERIES AND AQUACULTURE – SUSTAINABILITY AND GOVERNANCE

WORKING GROUP LEADERS:

Rebecca Lent, National Marine Fisheries Service, NOAA
 Chris Tompkins, DEFRA, UK
 Ali Mohammed, New Partnership for Africa's Development (NEPAD)
 Le Thanh Luu, Research Institute for Aquaculture No.1, Vietnam
 David Balton, U.S. Department of State
 Jean-Francois Pulvenis de Seligny, FAO
 Kieran Kelleher, World Bank
 Mick O'Toole, Benguela Current Large Marine Ecosystem Programme
 John Connelly/Stetson Tinkham, National Fisheries Institute, International Coalition of Fishing Organizations
 Barbara Hanchard, GEF UNDP Oceanic Fisheries Management Project

WORKING GROUP MEMBERS:

Arthur Bogason, World Forum of Fish Harvesters and Fish Workers, Iceland
 Nguyen Chu Hoi, Institute of Fisheries Economics and Planning, Ministry of Fisheries, Vietnam
 Anthony Cox, Organisation for Economic Co-operation and Development (OECD)
 Simon Cripps, Global Marine Programme, World Wide Fund For Nature (WWF) International
 Anamarija Frankic, University of Massachusetts Boston
 Julius Francis, Western Indian Ocean Marine Science Association (WIOMSA)
 Matthew Gianni, Deep Sea Conservation Coalition, The Netherlands
 Stephen Hall, WorldFish Center (ICLARM)
 Le Thanh Luu, Research Institute for Aquaculture No 1, MOFI, Vietnam
 Dawn Martin, SeaWeb



Magnus Ngoile, Marine and Coastal Environment Management Project (MACEMP), Tanzania

Pietro Parravano, Institute for Fisheries Resources, World Fisheries Forum

Daniel Pauly, Fisheries Centre, University of British Columbia

James R. McGoodwin, Professor of Anthropology, University of Colorado

Ralph Rayburn, Texas Seagrant College Program

Anne Frenette, Department of Fisheries and Oceans, Canada

Jorge Chocair Santibañez, Undersecretary of State for Fisheries, Chile

Kenneth Sherman, LME Program

Robin Mahon, University of West Indies

Sebastian Matthews, International Collective in Support of Fishworkers

Rudolf Dorah, Constitutional Reform Congress, Solomon Islands

Yihang Jiang, GEF Yellow Sea LME Project

Juan Luis Suárez de Vivero, Department of Human Geography, University of Seville

Paul Holthus, Independent Consultant

Peter Redmond, Wal-Mart



WORKING GROUP ON MARITIME TRANSPORT

WORKING GROUP LEADERS:

Jose Matheickal, GEF/UNDP/IMO Global Ballast Water Management Programme

Jack Dunnigan and Debbie Larsen, NOAA/National Ocean Service

Gerard J. Mangone and James Corbett, University of Delaware

Vu The Quang, Vietnam Maritime Administration



WORKING GROUP ON CLIMATE, OCEANS, AND SECURITY

WORKING GROUP LEADERS:

Gunnar Kullenberg, Independent Consultant, and former Executive Secretary of the Intergovernmental Oceanographic Commission of UNESCO

Janot-Reine Mendler de Suarez, Global Environment Facility IW:LEARN

Ambassador Tuiloma Neroni Slade, Former Permanent Representative of Samoa to the United Nations, former Chair of AOSIS, and former Judge for the International Criminal Court

Ik Kyo Chung, Pusan National University, and Gi-Jun Han and Jae Young Lee, Ministry of Land, Transport, and Maritime Affairs, Republic of Korea

Bill Eichbaum, Managing Director and Vice President of the Marine Portfolio, World Wildlife Fund

Indroyono Soesilo and Tonny Wagey, Ministry of Marine Affairs and Fisheries, Indonesia

Christopher Tompkins, Independent Consultant, UK, formerly DEFRA

Robert Corell, Arctic Climate Impact Assessment

Paul Epstein, Associate Director, Center for Health and the Global Environment, Harvard University Medical School

Margaret Davidson, NOAA

Magdalena A.K. Muir, Arctic Institute of North America

Kateryna M. Wowk, University of Delaware and NOAA

David VanderZwaag, Dalhousie University, IUCN Specialist Group on Ocean Law and Governance

Edward Miles, School of Marine Affairs, University of Washington

David Zilkoski, Director, National Geodetic Survey, NOAA/NOS

WORKING GROUP MEMBERS:

Ellina Levina, OECD

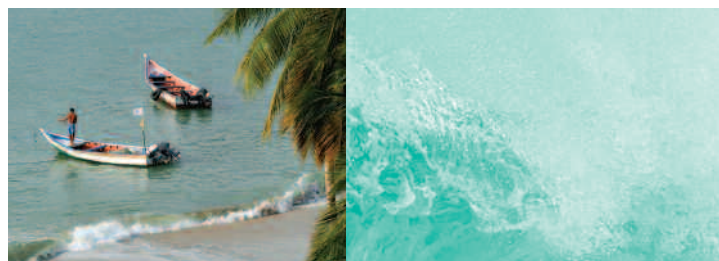
Leonard Nurse, University of West Indies, Cave Hill Campus, Barbados and former Permanent Secretary (Environment), Ministry of Physical Development and Environment, Barbados

Ambassador Gunnar Palsson, Iceland

Eduard Sarukhanian, Director, World-Weather-Watch-



Applications, World Meteorological Organization
 Ken Sherman, NOAA-NMFS
 Ambassador Enele Sopoaga, Permanent Secretary (CEO)
 for Foreign Affairs and Labour, Tuvalu
 Vu Thanh Ca, Institute of Hydrography and Meteorology,
 Vietnam
 Clive Wilkinson, Global Coral Reef Monitoring Network



WORKING GROUP ON SMALL ISLAND DEVELOPING STATES (SIDS) AND IMPLEMENTATION OF THE MAURITIUS STRATEGY

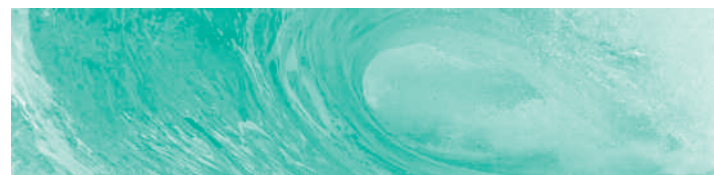
WORKING GROUP LEADERS:

Rolph Payet, Advisor to the President, Seychelles
 Ambassador Tuiloma Neroni Slade, Former Permanent Representative of Samoa to the United Nations, former Chair of AOSIS, and former Judge for the International Criminal Court
 Hon. Ronny Jumeau, UN Ambassador for Seychelles
 Cristelle Pratt, Pacific Islands Applied Geoscience Commission (SOPAC)
 Tim Adams, Secretariat of the Pacific Community (SPC)
 Ambassador Angus Friday, Chairman, Alliance of Small Island States (AOSIS), Permanent Representative of Grenada to the United Nations
 LaVerne Walker, Coastal Zone Unit, Ministry of Physical Development, Environment and Housing, St. Lucia
 Garfield Barnwell, Caribbean Community and Common Market (CARICOM)
 Dianne Quarless, UNDESA SIDS Unit
 Vincent Sweeney, UNEP/Integrating Watershed and Coastal Areas Management Project, Caribbean
 Ambassador Jagdish Koonjul, Mauritius, former Chair, Alliance of Small Island States (AOSIS)

WORKING GROUP MEMBERS:

Alfred Duda, Global Environment Facility
 Fazal Ibrahim Ali, University Consortium of Small Island States
 Christopher Corbin, UNEP Caribbean Environment Programme, Regional Coordinating Unit
 Laleta Davis-Mattis, Jamaica National Heritage Trust
 Annick de Marffy, Independent Consultant, former Director, UN DOALOS

Arthur Webb, Pacific Islands Applied Geoscience Commission (SOPAC)
 Rudolf Dorah, Constitutional Reform Congress of Solomon Islands
 Arthur Gray, Representative of the Organisation of American States (OAS) to Haiti
 John Low, Adviser to the Minister of Marine Resources for the Cook Islands
 Franklin McDonald, UNEP Caribbean Environment Programme
 Marina N'Deye Pereira Silva, Independent Consultant, Portugal (Cape Verde)
 Nguyen Hong Thao, National Frontier Committee, Ministry of Foreign Affairs, Vietnam
 James Hardcastle, TNC Australia
 Alf Simpson, Independent Consultant, Pacific Islands
 Asterio Takesy, Director, Secretariat for the Pacific Regional Environment Programme
 Cesar Toro, IOCARIBE
 Dirk Troost, formerly Coasts and Small Islands, UNESCO
 David VanderZwaag, Dalhousie University, IUCN Specialist Group on Ocean Law and Governance
 Jon Van Dyke, University of Hawaii Law School
 Fathimath Ghina, Intergovernmental Oceanographic Commission, UNESCO
 Raj Mohabeer, Indian Ocean Commission
 Gerald Miles, The Nature Conservancy
 Nelson Andrade, Caribbean Environment Programme, UNEP
 Dominique Benzaken, Pacific Regional Environment Programme (SPREP)
 Mary Seet-Cheng, Ambassador of Singapore to the Republic of Panama
 Edna Chia, Permanent Mission of Singapore to the United Nations
 Natasha Turnquest, Ministry of Foreign Affairs, Bahamas



WORKING GROUP ON GOVERNANCE OF MARINE ECOSYSTEMS AND USES IN AREAS BEYOND THE LIMITS OF NATIONAL JURISDICTION

WORKING GROUP LEADERS:

Salvatore Arico, Division of Ecological and Earth Sciences, UNESCO



Sivu Maqungo, Permanent Mission of South Africa to the United Nations

WORKING GROUP MEMBERS

Ambassador Mary Seet-Cheng, Ambassador of Singapore to Panama

Václav Mikulka, UN Division for Ocean Affairs and the Law of the Sea (UN DOALOS)

Patricio A. Bernal, Executive Secretary, Intergovernmental Oceanographic Commission, UNESCO

Transform Aqorau and Barbara Hanchard, Pacific Islands Forum Fisheries Agency

Asterio Takesy and Dominique Benzaken, Pacific Regional Environment Programme (SPREP)

Chua Thia-Eng, Partnerships in Environmental Management in the Seas of East Asia (PEMSEA)

Ahmed Djoghlaif, Executive Secretary, Convention on Biological Diversity

Satya Nandan, International Seabed Authority (ISA)

Hamid Zakri, United Nations University – Institute for Advanced Studies (UNU-IAS)

Julian Barbieri and Stefano Belfiore, IOC, UNESCO

Jean-Francois Pulvenis de Seligny, Food and Agriculture Organization (FAO)

Al Duda, International Waters, Global Environment Facility (GEF)

Nicole Glineur, Biodiversity and Private Sector, Global Environment Facility

David Freestone, World Bank

John Richardson, Task Force on Maritime Affairs, Directorate General for Fisheries and Maritime Policy, European Commission

Tim Adams, Secretariat of the Pacific Community

Lyle Glowka, Convention on Biological Diversity

Marjo Vierros, United Nations University – Institute for Advanced Studies (UNU-IAS)

Stefan Hain, UNEP Coral Reef Unit

Charlotte Salpin, UN Division for Ocean Affairs and the Law of the Sea (UN DOALOS)

Valentina Germani, UN Division for Ocean Affairs and the Law of the Sea (UN DOALOS)

Ambassador Enele Sopoaga, Permanent Secretary (CEO) for Foreign Affairs and Labour, Tuvalu

Dr Angus Friday, Chairman, Alliance of Small Island States (AOSIS), Permanent Representative of Grenada to the United Nations

Ambassador Dumisani Kumalo, Permanent Mission of South Africa to the United Nations, and former Chair of G-77 and China

Hoang Ngoc Giao, National University, Hanoi

Norma Taylor Roberts, Director, International Organizations Department, Ministry of Foreign Affairs, Jamaica

LaVerne Walker, Coastal Zone Management Unit, St. Lucia

Marcos de Almeida and Carlos Duarte, Permanent Mission of Brazil to the United Nations

Haiqing Li, State Oceanic Administration, China

Chris Tompkins and Robert Baldi, Department for Environment, Food, and Rural Affairs, UK

Alex Rogers, British Antarctic Survey

Renee Sauve/Anne Frenette/Jennifer Mooney/Lori Ridgeway, Department of Fisheries and Oceans, Canada

Michel Goujon, Comité National des Pêches Maritimes et des Elevages Marins (CNPMM), France

David Balton and Margaret Hayes, Department of State, USA

Rebecca Lent, NOAA Fisheries International Office

Sergio R. Carranza Forster, Ministry of Foreign Affairs and Cooperation, Spain

Kristina Gjerde, The World Conservation Union (IUCN)

Ambassador Tuiloma Neroni Slade, Samoa

Vladimir Golitsyn, former Director, UN DOALOS

Fernanda Millicay, Amerasinghe Fellowship, Argentina

Gaile Ramoutar, Trinidad and Tobago

Frida Armas-Pfirter, Austral University

Miriam Balgos, University of Delaware, Global Forum on Oceans, Coasts, and Islands

Soji Yamamoto, International Tribunal for the Law of the Sea

Hiroshi Terashima, Ocean Policy Research Foundation

Awni Behnam, International Ocean Institute

Biliana Cicin-Sain, University of Delaware, Global Forum on Oceans, Coasts, and Islands

Sylvia Earle, Deep Ocean Exploration and Research (DOER), Explorer-in-Residence, National Geographic Society

Matthew Gianni, Deep Sea Conservation Coalition

Carl Lundin, The World Conservation Union (IUCN)

Kim Juniper, University of Montreal at Quebec

David Leary, Centre for Environmental Law, Macquarie University and UN University – Institute of Advanced Studies

Michael Lodge, High Sea Task Force Secretariat, Organization for Economic Cooperation and Development

Karen Sack, Greenpeace International

David Vanderzwaag, Dalhousie University, IUCN Specialist Group on Ocean Law and Governance

Monica Verbeek, Seas at Risk

Thierry Desmarest, Fondation TOTAL

Alistair Graham, WWF-International



Olive Heffernan, ImarEST – Institute of Marine Engineering, Science, and Technology

Denny Kelso, Conservation and Science Program Officer, Packard Foundation

Kazuhiro Kitazawa, Japan Marine Science and Technology Center (JAMSTEC)

Isao Koike, Ocean Research Institute, University of Tokyo
Gunnar Kullenberg, Independent Consultant

Edward Urban, Scientific Committee on Oceanic Research (SCOR)

Russell Reichelt, CRC Reef Research Centre

Tullio Scovazzi, University of Milano-Bicocca

Bruno Corr ard, formerly with Carrefour Group, Independent Consultant

Philippe Vallette, NAUSICAA (Centre National de la Mer), and the World Ocean Network

Annick de Marffy, former Director, UN DOALOS

Eric Mathur, formerly with Diversa

Leif Christoffersen, Diversa Corporation

Daniel Owen, Fenner Chambers

Congressman Jim Greenwood, Biotechnology Industry Organization

Michel Dion, Organisation des Producteurs Francais de Thon Congele (ORTHONGEL)

John Connelly and Stetson Tinkham, National Fisheries Institute, International Coalition of Fishing Associations

Dierk Peters, UNILEVER

Tim Wilkins, INTERTANKO

John Young, ExxonMobil Exploration Company



WORKING GROUP ON CAPACITY DEVELOPMENT

WORKING GROUP LEADER:

Indumathie Hewawasam, The World Bank

WORKING GROUP MEMBERS:

Fazal Ibrahim Ali, Universities Consortium Coordinator, University of the West Indies

Rolf Willmann, FAO

Margarita Astralaga, IUCN-Spain

Robert Bechtloff, UNEP/GPA

Awni Behnam, International Ocean Institute

Charles A. Buchanan, Administrator Luso-American Development Foundation, Portugal

Chua Thia-Eng, PEMSEA

Margaret Davidson, U.S. National Oceanic and Atmospheric Administration Coastal Services Center

Ehrlich Desa, Capacity Building Section, UNESCO

Ambassador Lu s Fonseca, Comunidade dos Pa ses de L ngua Portuguesa (CPLP)

Anamarija Frankic, University of Massachusetts Boston

Julius Francis, Western Indian Ocean Marine Science Association, Tanzania

Guillermo Garcia Montero, Acuario Nacional, Comit  Oceanografico Nacional, Cuba

Ampai Harakunarak, Thailand Environment Institute

Alice Hicuburundi, UN DOALOS

Gunnar Kullenberg, Independent Consultant and former Director, Intergovernmental Oceanographic Commission (IOC)

Mai Trong Nhuan, Ha Noi National University, Vietnam

Robin Mahon, Caribbean LME Programme

Jan Mees, Flanders Marine Institute, Belgium

Ali Mohamed, NEPAD

Magnus Ngoile, Marine and Coastal Environment Management Project, Tanzania

Michael O'Toole, Benguela Current LME

Marina N'Deye, Portugal

Isabel Noronha, Portugal

Victoria Radchenko, International Ocean Institute, Ukraine

Evelia Rivera-Arriaga, Centro de Ecologia, Pesquerias y Oceanographia del Golfo de Mexico, (EPOMEX), Mexico

Mario Ruivo, Portuguese Committee for Intergovernmental Oceanographic Commission (IOC)

Dann Sklarew, GEF IW:LEARN

Cesar Toro, IOCARIBE

Grant Trebble, African Marine and Coastal Resource Over-exploitation Prevention Strategy (AMCROPS), South Africa

LaVerne Walker, Coastal Zone Unit, St. Lucia

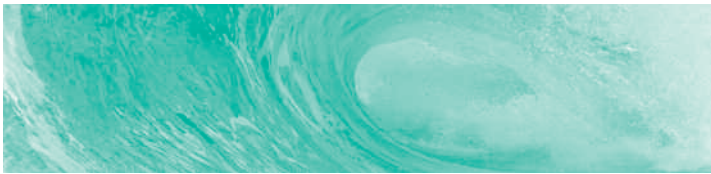
Dixon Waruinge, UNEP Regional Seas

Khulood Tubaishat, Regional Organization for the Conservation of the Environment of the Red Sea and Gulf of Aden (PERSGA)

Nedal M. Al Ouran, Al-Balqa Applied University, Jordan, and Advisor to PERSGA

Ademilson Zamboni, Integrated Coastal Zone Management Program, Brazil

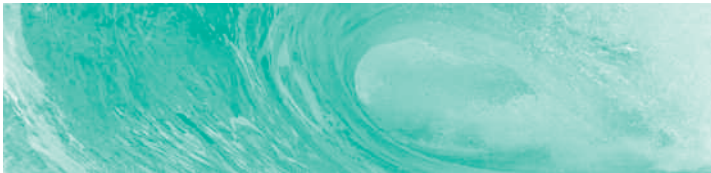
Ignatius KV Kauvee, University of Namibia



WORKING GROUP ON INDICATORS FOR PROGRESS

WORKING GROUP LEADERS:

Margaret Davidson /Zac Hart/Ginger Hinchcliff, NOAA Coastal Services Center
 Stefano Belfiore and Julian Barbiere, IOC, UNESCO
 Peter Bjornsen, Global Environment Facility
 Alan Simcock, Independent Consultant, Great Britain, former Co-Chair, UN Open-ended Informal Consultative Process on Oceans and the Law of the Sea
 Camille Mageau/Jake Rice, DFO, Canada



WORKING GROUP ON COMPLIANCE AND ENFORCEMENT

WORKING GROUP LEADERS:

Fuensanta Candela Castillo, Fisheries and Maritime Affairs, European Commission
 Paul Nemitz, Maritime Policy Task Force, European Commission
 Carl Bruch, Environmental Law Institute
 Biliana Cicin-Sain, Global Forum on Oceans, Coasts, and Islands



WORKING GROUP ON PUBLIC EDUCATION/OUTREACH/MEDIA

WORKING GROUP LEADERS:

Philippe Vallette and Manuel Cira, World Ocean Network, NAUSICAA, France
 Ram Boojh, UNESCO, India
 Peter Neill, World Ocean Observatory
 David Helvarg, President, Blue Frontier Campaign (author, 50 Ways to Save the Ocean)

Felix Dodds, Stakeholder Forum for a Sustainable Future, UK

Janot-Reine Mendler de Suarez, Global Environment Facility/IW-LEARN

Lauren Salm, PERSGA, and Working Group Youth Representative

Peter Neill, World Ocean Observatory

WORKING GROUP MEMBERS:

John Nightingale, Vancouver Aquarium

Leonard Neyman, Sweden

Sylvia Earle, D O E R Marine

Matt Gianni, Deep Sea Conservation Coalition

Ernesto Julio Godelman, Center for Development and Sustainable Fisheries, Argentina

Vu Van Trieu, Country Representative, IUCN Vietnam and Bui Thi Thu Hien, Marine and Coastal Program Manager, IUCN, Vietnam

Camille Mageau, Department of Fisheries and Oceans, Canada

Franklin McDonald, United Nations Environment Programme

Magnus Ngoile, Marine and Coastal Environment Management Project, Tanzania

Chris Tompkins, Independent Consultant, UK, formerly DEFRA

Katherine Warner, Country Group Head, Cambodia, Lao PDR, and Viet Nam, IUCN

Sue Williams, UNESCO Public Affairs

Katherine Warner, Country Group Head, Cambodia, Lao PDR, and Viet Nam, IUCN





Steering Committee, Global Forum on Oceans, Coasts, and Islands

CO-CHAIRS

Biliana Cicin-Sain, Director, Gerard J. Mangone Center for Marine Policy, University of Delaware (also Head of Secretariat, Global Forum)

Patricio A. Bernal, Executive-Secretary, Intergovernmental Oceanographic Commission, UNESCO, Paris, France

Veerle Vandeweerd, Director, Environment and Energy Group, United Nations Development Programme (UNDP)

GOVERNMENTAL

David Balton, Deputy Assistant Secretary for Oceans and Fisheries, Bureau of Ocean, U.S. Department of State

Phil Burgess, Director, Cetacean Policy and Recovery, Department of the Environment and Water Resources, Australia

Nguyen Chu Hoi, Director, Institute of Fisheries Economics and Planning, Ministry of Agriculture and Rural Development, Vietnam

Torkil J. Clausen, Managing Director, DHI Water Policy and Senior Adviser, Global Water Partnership

Aldo Cosentino, Director-General, Directorate for Nature Protection, Sea Protection, Ministry for Environment and Protection of the Territory, Italy

Margaret Davidson, Director, Coastal Services Center, National Oceanic and Atmospheric Administration (NOAA), USA

Antonio Diaz de Leon, Director-General, Environmental, Regional Integration and Sectoral Policy, Environment and Natural Resources Ministry (SEMARNAT), Mexico

Ambassador Angus Friday, Chair, Alliance of Small Island States (AOSIS), Permanent Representative of Grenada to the United Nations

Gi-Jun Han, Ministry of Maritime Affairs and Fisheries, Republic of Korea

Elie Jarmache, Chargé de Mission, Secrétariat Général de la Mer, France

Magnus Johannesson, Secretary-General, Ministry for the Environment, Iceland

Ambassador Jagdish Koonjul, Mauritius, former Chair, Alliance of Small Island States (AOSIS)

Gerhard Kuska, Associate Director and Director of Ocean and Coastal Policy, White House Council on Environmental Quality, USA

Tom Laughlin, Deputy Director, International Affairs Office, National Oceanic and Atmospheric Administration (NOAA), USA

Haiqing Li, Deputy Director-General, State Oceanic Administration (SOA), China

John Low, Adviser to the Minister of Marine Resources for the Cook Islands

Rejoice Mabudafhasi, Deputy Minister of Environmental Affairs and Tourism, South Africa

Jan Mees, Director, Flanders Marine Institute, Belgium

Guillermo Garcia Montero, President, National Aquarium, Havana, Cuba

Magnus Ngoile, Team Leader, Marine and Coastal Environmental Management Project (MACEMP), Ministry of Natural Resources and Tourism

Rolph Payet, Advisor to the President, Seychelles

Lori Ridgeway, Director-General, International Coordination and Policy Analysis, Department of Fisheries and Oceans, Canada, and **Camille Mageau**, Director, Marine Ecosystems Conservation Branch, Department of Fisheries and Oceans, Canada

Mario Ruivo, Intersectoral Oceanographic Commission, Ministry of Science, Technology, and Higher Education, Portugal

Indroyono Soesilo, Chairman, Agency for Marine and Fisheries Research, Department of Marine Affairs and Fisheries, Indonesia

Ambassador Enele S. Sopoaga, Tuvalu, Former Vice-Chair, Alliance of Small Island Developing States (AOSIS)

INTERGOVERNMENTAL

Salvatore Arico, Programme Specialist, Ecological Sciences, UNESCO

Julian Barbieri and Stefano Belfiore, Intergovernmental Oceanographic Commission, France

Chua Thia-Eng, Partnership in Environmental Management for the Seas of East Asia (PEMSEA), IMO/UNDP/GEF, Philippines

Anjan Datta, Global Programme for the Protection of the Marine Environment from Land-Based Activities, The Hague

Ahmed Djoghlaif, Executive Secretary, Convention on Biological Diversity

Al Duda, Senior Advisor, International Waters, Global Environment Facility (GEF)

Marea E. Hatziozols, Senior Coastal and Marine Specialist, Environment Department, The World Bank

Indumathie Hewawasam, Consultant to The World Bank

Andrew Hudson, Principal Technical Advisor, International Waters, UNDP/GEF

David Johnson, Executive Secretary, OSPAR Convention, London

Vladimir Mamaev, GEF Regional Technical Advisor, UNDP, Europe and the CIS, Slovak Republic

Franklin McDonald, Adviser, UNEP Caribbean Environment Programme (UNEP/CEP), and former Director, National Environmental Policy Agency, Jamaica

Vaclav Mikulka, Director, UN Division for Ocean Affairs and the Law of the Sea

Ali Mohamed, Coordinator, Coastal and Marine Secretariat, New Partnership for Africa's Development (NEPAD), Kenya

Satya Nandan, Secretary-General, International Seabed Authority, Jamaica

Tiago Pitta e Cunha, Member, Cabinet of Fisheries and Maritime

Commissioner, European Commission

Mary Power, Director, Resource Mobilization Office, World Meteorological Association

Cristelle Pratt, Director, South Pacific Applied Geoscience Commission (SOPAC), Fiji

Diane Quarless, Chief, Small Island Developing States Unit, UNDESA

John Richardson, Head, Maritime Policy Task Force, European Commission

Anne Rogers, United Nations Department of Economic and Social Affairs (UNDESA)

Eduard Sarukhanian, Director, World-Weather-Watch-Applications, World Meteorological Organization (WMO), Switzerland

Dann Sklarew, Director and Chief Technical Advisor, GEF, IW:LEARN

Asterio Takesy, Director, Secretariat for the Pacific Regional Environment Programme

Khulood Tubashat, Advisor, The Regional Organization for the Conservation of the Environment of the Red Sea and Gulf of Aden (PERSGA)

Chika Ukwe, Industrial Development Officer (International Waters), United Nations Industrial Development Organization (UNIDO)

Marjo Vierros, Visiting Professor, Institute of Advanced Studies, United Nations University, Vancouver

Eugenio Yunis, Chief, Sustainable Development of Tourism World Tourism Organization

A.H. Zakri, Director, Institute of Advanced Studies, United Nations University, Yokohama

NONGOVERNMENTAL

Milton Asmus, International Representative, Brazilian Agency for Coastal Management

Awni Behnam, President, International Ocean Institute, Malta

Charles A. Buchanan, Administrator Luso-American Development Foundation, Portugal

Simon Cripps, Director, Global Marine Programme, World Wide Fund For Nature (WWF) International

Richard Delaney, Executive Director, Center for Coastal Studies, Provincetown, Massachusetts, USA

Annick de Marffy, former Director of Division of Ocean Affairs and Law of the Sea (UNDOALOS), United Nations International Consultant

Sylvia Earle, Chair, Deep Ocean Exploration and Research (DOER), and Explorer-in-Residence, National Geographic Society

Charles Ehler, Consultant to UNESCO

Julius Francis, Executive Secretary, Western Indian Ocean Marine Science Association, Tanzania

Serge Garcia, Independent Consultant, and Former Director, Marine Fisheries Resources Division, Food and Agriculture Organization (FAO)

Matthew Gianni, Political Advisor, Deep Sea Conservation Coalition, Netherlands

Vladimir Golitsyn, Professor of International Law, Moscow State University of International Relations

Lynne Hale, Director, Marine Strategy, The Nature Conservancy

Art Hanson, former Ministerial Ocean Ambassador, Department of Fisheries and Oceans, Canada, member of the Canadian Foundation for Innovation (CFI)

Gregor Hodgson, Director, Reef Check Paul Holthuis, Executive Director, World Ocean Council

Gunnar Kullenberg, Independent Consultant and former Executive Secretary, Intergovernmental Oceanographic Commission (IOC)

Dan Laffoley, World Commission on Protected Areas-Marine, IUCN

Carl Lundin, Head, IUCN Marine Programme

Dawn Martin, President, Sea Web, USA

Gerald Miles, The Nature Conservancy, Pacific Region, Brisbane, Australia

Iouri Oliouline, Executive Director, International Ocean Institute, Malta

Pietro Parravano, President, Institute for Fisheries Resources, World Fisheries Forum

Sian Pullen, Independent Consultant, New Zealand, and former Head of European and Middle East Marine Program, WWF International, UK

Victoria Radchenko, Director, International Ocean Institute, Ukraine
Tony Ribbink, Director, Sustainable Seas Trust

Evelia Rivera-Arriaga, Centro de Ecología, Pesquerías y Oceanografía del Golfo de México (EPOMEX), Mexico

Nirmal Jivan Shah, Chief Executive, Nature Seychelles

Alan Simcock, former Executive Director, OSPAR, and former Co-Chair, UN Informal Consultative Process on Ocean Affairs and Law of the Sea

Nancy Targett, Dean, University of Delaware College of Marine and Earth Studies

Kristian Teleki, International Coral Reef Action Network, Switzerland

Hiroshi Terashima, Executive Director, Institute for Ocean Policy, Ocean Policy Research Foundation, Japan

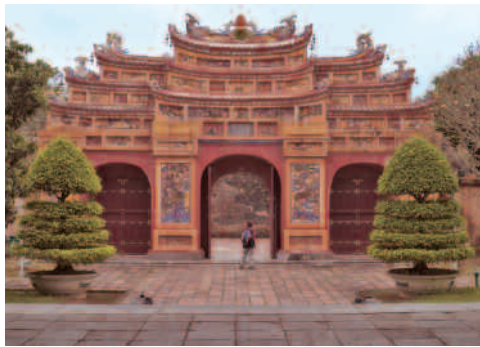
Chris Tompkins, Independent Consultant and formerly DEFRA, UK

Grant Trebble, African Marine and Coastal Resource Over-exploitation Prevention Strategy (AMCROPS), South Africa

Philippe Vallette and Manuel Cira, NAUSICAA, France, and the World Ocean Network

David VanderZwaag, IUCN Specialist Group on Ocean Law and Governance Trust

* Please note: Members of the Steering Committee participate in their individual capacities.





**Global Forum on Oceans,
Coasts, and Islands**

301 Robinson Hall, University of Delaware
Newark, Delaware 19716 USA
Telephone: +1-302-831-8086
Fax: +1-302-831-3668
www.globaloceans.org