



International Ocean Institute
African Region

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Course in Ocean Governance for Africa 2017 Course Report



Center for Biodiversity Conservation, Kirstenbosch Gardens

Cape Town, South Africa

4th - 29th September 2017



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A NOTE FROM THE DIRECTOR

Each year, at the close of the course after the certificates have been awarded, we take the alumni for a walk in the Kirstenbosch National Botanical Gardens, adjacent to our offices. This is always a fun afternoon that allows for a gradual shedding of formality and exploration of pending possibilities and steps ahead. It can also be an emotional time, as the participants that have bonded over 4 intensive weeks together start to embrace the looming reality of their voyages home and reclaiming their respective roles and responsibilities.

As we walked and talked, I noted that there was a more realistic and practical edge to the discussions this year. A sense of getting on with the work ahead and applying new knowledge was evident in the tone of most participants. It struck me that this year's group had indeed been outstanding in terms of their chemistry, engagement and enthusiasm, as had also been reflected in remarks from many of the lecturers, but it was perhaps a deeper trend that I was detecting. There was a level of commitment and determination apparent in each individual that suggests the course was a functional step beyond which their plans or ambitions are already designed and in motion. That they had certain expectations for the course and views on how it would benefit them directly. This felt right, and somewhat as it should be for a course that is a recognized component of the region's capacity development toolbox. But has this course reached that point after only five quick years?

I like to think this subtle suggestion that we are attracting increasingly engaged and focused participants is an indication that our ocean governance course is reaching the right audience and finding its niche in the region. This of course can only continue to develop as a function of the institutional permanence that we create for the course, and the degree to which our target audience can depend on the quality and relevance of the content we provide annually. As such we continue to strengthen our collaborations locally, regionally and internationally, to expand mechanisms for sustainability and innovation. However, as we look at the strong partnerships that already give the course its content and character, I am optimistic that these will stand the tests of time and continue to deliver this value to ambitious groups of participants for decades to come.





INTRODUCTION

The International Ocean Institute (IOI) maintains a focus on training and capacity building programs through its global network of centers and affiliated training courses. The IOI-SA, based in Cape Town, South Africa, coordinates technical support, projects and training delivery for the African region. As the designated Training Center for the African Region of the International Ocean Institute, the IOI-SA developed and established the annual Training Course in Ocean Governance for Africa in 2013. The course is modeled on the structure and content of other IOI ocean governance courses in Halifax and Malta, and designed to meet the needs of the continent as a whole with respect to particular ocean governance challenges.

This was the fourth year of the Course in Ocean Governance. The course was run in partnership with the South African National Biodiversity Institute (SANBI) and the South African International Maritime Institute (SAIMI), from the 4th to the 29th of September 2017. This year 63 applications from 19 countries were received. It was a challenge to select the participants, and although 22 participants were selected and approved for funding support, only 19 were able to attend. Those 19 delegates represented seven countries including South Africa, Sierra Leone, Ghana, Nigeria, Namibia, Kenya and Madagascar.

The participants came from a diverse range of disciplines and backgrounds. Lectures were delivered by over 40 regional and local experts from over 25 institutions and each week included at least one field trip to a local point of interest. The schedule also provided time for group discussion sessions and feedback on topics that had been covered during the week. Field trips and lectures corresponded to one of five major themes that ran throughout the course:

Module 1: Oceans and Coasts – Opportunities and Threats

Module 2: The Governance Framework

Module 3: Governance Tools

Module 4: Governance in Action

Module 5: Creating a Supportive Environment for the Management of Oceans and Coasts



THE TRAINING PROGRAM

The goal of the course is to meet the ongoing needs within the African region for awareness and training related to the various disciplines associated with ocean governance. The course aims to contribute to developing a network of practitioners or “Ocean Ambassadors” that will continue to work towards and promote responsible, knowledge-based ocean governance throughout Africa. While the course highlights the importance of the global governance framework, it has a regional focus, emphasizing the benefits of harmonizing ocean policies that promote a shared, integrated and common approach to ocean management in Africa.



IOI-Nigeria Director,
Mabel Yarhere

The course includes legal, institutional and technical aspects of ocean governance, with an emphasis on implementation, as this is a common shortcoming in capacity for environmental regulation in many African countries. The Ocean Governance course covered a wide range of topics from shipping, to marine biodiversity and climate change. This was intended to provide participants with at least a basic understanding of these subjects, their inter-related nature, and the opportunity to engage with local and regional experts with each field. We welcomed the participation of IOI-Nigeria Director, Mabel Yarhere, who provided expert lectures and mentoring during the third week of the course.

At the end of each week, IOI-SA Director, Adnan Awad, facilitated Friday discussion sessions which ranged from what challenges are associated with ocean governance in Africa; what barriers there are to expanding the Blue Economy in Africa and what role can organisations like the IOI and the IOI Ocean Ambassadors play in improving ocean governance in Africa. On the closing day, Adnan challenged the participants to state how they will implement their knowledge in their workplaces. A number of participants commented on how they were used to only thinking of their sector and benefitted from having a better overview of the ocean governance from the perspective of multiple sectors. The participants took up the challenge of disseminating what they have learnt to their work places and many committed to encouraging colleagues to attend the course in the future. It was also suggested that IOI-SA, and the ocean ambassadors, can play an important role within regional conventions and building capacity at national level for the



implementation of regional policies. There was a strong commitment from the participants to encourage regional collaboration to improve ocean governance in Africa and promote science-based policy development.



The course schedule was intensive and we are grateful to the many lecturers that gave up their time to deliver presentations of a very high standard. The participants appreciated the opportunity to engage with the experts, and vice versa. This year's participants were particularly engaging and there were robust discussions throughout the four weeks.

The field trips formed an integral part of the technical course schedule, as well as providing the participants a change of scenery, and a chance to stretch their legs and visit some of the world-famous Western Cape sights. In the first week, we visited Kraaifontein Recovery Plant after a discussion on marine debris the recovery plant was a visual reminder of why it is important to manage waste effectively and coordinate recycling to divert waste from landfill. In the second week, we had back-to-back trips to Port of Cape Town and Port of Saldanha. It was our first visit to Port of Cape Town and we were warmly hosted by Transnet.





Field Trip to Port of Cape Town

This was a new addition to the course schedule. The Port of Cape Town, Transnet National Port Authority hosted the Course in Ocean Governance for the day. This included lectures on Port Management, from Michael Melato of TNPA; Flag and Port State Control by Bill Dernier and Maritime Security by Tony Cole of King Cole Maritime.

The participants were given a tour of the Port of Cape Town, led by Michael Melato.



Left: A storm water filtration system in the foreground and the container terminal behind. Right: The South African Marine Research Vessel, *RV Afrikana*, in the Port



From top: Some of the participants, Port of Control building, a ship coming in to harbour.





The excursions to Saldanha, Langebaan and the West Coast National Park in week two and Boulders Beach, Zandvlei and Muizenberg in week three, helped the participants prepare for their group exercises in Marine and Spatial Planning (MSP). MSP is an increasingly important tool for ocean governance in Africa. The participants were divided into two groups and tasked with reporting back on a marine spatial plan for their assigned areas (Bays). The participants produced and presented a comprehensive plan that illustrated the need for compromise and debate in marine spatial planning and how complicated it can be when different stakeholder groups have conflicting interests.

Field Trip to Saldanha Bay, Langebaan Beach and West Coast National Park

The day began with a visit to the Port of Saldanha's Port Control Building. The building provides an excellent viewing point to observe the many activities taking place in the port and provided impetus for discussion around the possible points of conflict and collaboration for different user groups, as well as the environmental concerns and considerations. A visit to Saldanha Bay Oysters allowed participants to understand the impacts of marine pollution, invasive species, wave action and water quality on mariculture in Saldanha Bay. The participants were treated to freshly shucked oysters, some for the first time. From there, we visited the beach at Langebaan and discussed issues around change in sedimentation and erosion associated with the building of the Port. We had a short discussion with Ms Sibongumusa Ngoti from the Department of Tourism about coastal and marine tourism in South Africa. Finally, we visited the West Coast National Park, a RAMSAR wetland area. There was time for a quick visit to the Geelbek bird hide before heading back to Cape Town.



From top: View of Saldanha Bay from Port Control, Saldanha Bay Oysters, and West Coast National Park, Geelbek bird hide.

Field Trip to Boulders Beach Penguin Colony, Zandvlei Wetland and Muizenberg Beach.

The African Penguin is an Endangered species but the Boulders Beach colony was only founded in 1983, in an already established residential area. It is an example of a successful conservation area that is a significant tourist attraction and income generator in a developed coastal environment. We visited a popular recreational beach, Muizenberg, for lunch. From there, we visited Zandvlei Wetland Reserve and Education Centre to discuss wetland conservation and challenges. In addition to the pollution entering the wetland area from urban and residential areas upstream, the wetland is impacted by eutrophication which results in excessive algal growth that is expensive to manage. The wetland needs to incorporate the needs of residents and recreational users in their conservation plans. Flow of water into and out of the estuary is an important part of management. The mouth of the river is opened and closed artificially at Muizenberg Beach which was the last stop for the participants on this field trip.



From top: Boulders Beach, Zandvlei – plastic waste in the wetland and mitigation methods.

Along with an intensive lecture schedule, the participants were each required to give a short presentation of their own work and participate in various group discussions and exercises including a Regional Policy Exercise. This group exercise was initiated during the first week and continued throughout the four-week period, with final presentations on the final day of the course. The Regional Policy Exercise required participants to split in to two groups corresponding to the East and West coast of Africa. Each group had to familiarize itself with the appropriate regional convention for the sub-region (Nairobi or Abidjan Convention) and then pick three components of the Convention (e.g. Protocols) on which they would provide detailed policy recommendations to support a Regional Oceans Policy. The group exercises not only put participants in roles that were challenging in their unfamiliarity, but also exposed participants to



some of the real-life hurdles involved in working within a group of people from different backgrounds and knowledge bases. Both groups took the task seriously and produced an informative report and presentation. The final reports are also available on the IOI-SA website. An Expert Panel consisting of David Vousden, Lynn Jackson and Adnan Awad, assessed the presentations and gave each group constructive feedback.

An essential feature of the course is the opportunity for participants with diverse backgrounds from all over Africa to engage with each other, exchange ideas and realize a common goal for ocean governance throughout Africa. A social program helps cement these relationships. International Coastal Clean Up Day was on the 16th September and the participants joined PlasticSA and Fine Music Radio at Hout Bay beach for a very windy beach clean-up. Lunch on the day was sponsored by Pick 'n Pay.



Left: At International Coastal Clean-up Day. Right: Behind the Scenes at the Two Oceans Aquarium

There was a public holiday on the 25th September (carried over from Heritage Day on the 24th September) and the participants were treated to a behind-the-scenes tour at the Two Oceans Aquarium and time exploring the V&A Waterfront. In the last week of the course, there was a course dinner to celebrate and unwind before the final two days on the course. The 2017 course was concluded on the 29th September with the formal issuing of well-deserved Certificates of Completion for each of the new Ocean Ambassadors and a visit to the Kirstenbosch Botanical Gardens courtesy of our hosts, SANBI.



Relaxing at the Kirstenbosch Botanical Gardens after four, intensive weeks.



THE SCHEDULE

Monday 4th September

Introduction to Course Partner, SANBI	Carmel Mbizvo	SANBI
Introduction to Course Partner, SAIMI	Samantha Venter	SAIMI
Introduction to International Ocean Institute	Awni Behnam (video address)	
Introduction to IOI-SA	Adnan Awad	IOI-SA
What is Ocean Governance?		
Science and Governance		



Tuesday 5th September

Module 1: Oceans and Coasts – Opportunities and Threats		
Threats to Oceans and Coasts	Coleen Moloney	University of Cape Town
Climate Change	Neville Sweijd	ACCESS
Marine Invasive Species	Charles Griffiths	University of Cape Town
Legal Aspects of Climate Change	Jan Glazewski	University of Cape Town
Marine Debris	John Kieser	PlasticsSA
Field Trip to City of Cape Town's Kraaifontein Manual Recovery Unit		

Wednesday 6th September

Module 2: The Governance Framework		
Occupying the oceans: A lawyer's dream realised	Akhona Baninzi	Participant Presentation - SAIMI
UNCLOS	Patrick Vrancken	Nelson Mandela University
International Regulatory Framework	Jan Glazewski	University of Cape Town

Thursday 7th September

Module 2: The Governance Framework		
The fight for Africa to own its own waters: Does South Africa own its own Blue Economy	Buhle Beauty Duma	Participant Presentation – University of Fort Hare
Sargassum Seaweed Infestation - The New Marine and Coastal Challenge for West Africa and Caribbean States	Sahr Abraham Grass-Sessay	Participant Presentation - USAID
Regional Regulatory Framework	Lynn Jackson	IOI-SA Associate
National Framework and Ocean Policy	Radia Razack	Department of Environmental Affairs
Module 4A: The Maritime Sector		
Oil Spill Contingency Plan	Lynn Jackson	IOI-SA Associate
Introduction to Regional Policy Exercise	Lynn Jackson/Adnan Awad	IOI-SA



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Friday 8th September

Module 3: Governance Tools		
Coastal Management in the Western Cape	Saa-rah Adams	Participant Presentation – Western Cape Government
The Role of Modelling	Roy van Ballegooyen	WSP Parsons Brinckerhof
Remote Sensing	Melanie Luck-Vogel	CSIR
Module 4A: The Maritime Sector		
MARPOL Annex VI	Ravi Naicker	SAMSA
Framework for Maritime Security	Boetse Abel Ramahlo	Participant Presentation - SAMSA
Group Discussion Session	Adnan Awad	IOI-SA
Introduction to Group Exercise on Regional Ocean Policy	Adnan Awad and Lynn Jackson	IOI-SA

Monday 11th September

Module 4A: Maritime Sector		
Port Management	Michael Melato	TNPA
Flag/Port State Control	Bill Dernier	Consultant
Maritime Security	Tony Cole	King Cole Maritime
Tour of Port of Cape Town	Michael Melato	TNPA



Tuesday 12th September

Field Trip to West Coast
Tour of Port of Saldanha Port Control Building
Visit to Saldanha Bay Oyster Company
Langebaan Beach
West Coast National Park



Wednesday 13th September

Module 1: Oceans and Coasts		
Regional Oceanography	Mike Roberts	Nelson Mandela University
Module 4G: Dumping of Waste at Sea		
Dumping at Sea	Lynn Jackson	IOI-SA
Module 2: The Governance Framework		
Agenda 2063	Alex Benkenstein	SAIIA
AIM Strategy	Timothy Walker	ISS
Investigating volume transport variability of the Agulhas Current System in the changing climate	Estee Ann Vermeulen	Participant Presentation – University of Cape Town
Regional Policy Exercise	Lynn Jackson/Adnan Awad	IOI-SA



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Thursday 14th September

Module 4B: Offshore Mining, Energy and Climate Change		
The positive impact Multimodal Transport Contracts will have on the growth of SA Blue Economy	Bontle Ramokoka	Participant Presentation – Fort Hare University
Marine Mining	Saul Roux	Centre for Environmental Rights
Ocean Energy	Jason Fairhurst	Stellenbosch University
Module 3: Governance Tools		
Context of marine environmental quality management and key land-based activities of concern	Susan Taljaard	Centre for Scientific and Industrial Research
Using guidelines and standards in monitoring and assessment of marine environmental quality		
Locally Managed Mangroves Resources	James Lovel Antilahy	Participant Presentation – Blue Ventures

Friday 15th September

Module 4C: Living Marine Resources		
Coastal Land Use Change in a Dynamic World: Advances and Challenges	Akeem Olaniyi	Participant Presentation – Kaduna State University
Introduction to NIOMR	Mabel Yarhere	IOI-Nigeria
Introduction to the Blue Economy	Ken Findlay	Cape Peninsular University of Technology
The Imida: Foundational deep-sea biodiversity research	Luther Aldrin Adams	Participant Presentation - SANBI
Threats to Biodiversity	Pavs Pillay	WWF-SA
Marine Protected Areas	Robin Adams	WWF-SA
Marine Programme Support	Olona Buswana	Participant Presentation - SANBI
Group Discussion	Adnan Awad	IOI-SA

Monday 18th September

Field Trip – False Bay		
Boulders Beach	Shannon Hampton	IOI-SA
Zandvlei – The Convention on Biological Diversity	Lynn Jackson	IOI-SA
Zandvlei - Estuaries	Josh Gerieke	City of Cape Town
Muizenberg	Lynn Jackson	IOI-SA



Tuesday 19th September

Module 4C: Living Marine Resources		
From Fisheries Research to Fisheries Management: A summary of a diverse role in DEA/DAFF	Craig Smith	Participant Presentation – Department of Agriculture, Forestry and Fisheries
Environmental Economics	Stephen Hosking	Cape Peninsular University of Technology
Indicators of Social Well-being	Mafaniso Hara	University of the Western Cape
SSF in Nigeria and IOI-N	Mabel Yarhere	IOI-Nigeria
Conflict Resolution	Liz McDaid	The Green Connection



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Wednesday 20th September

Field Trip		
Fisheries Governance in Ghana: Role of the Artisanal Fisherman and Traditional leaders in Policy Implementation	Socrates Apetorgbor	Participant Presentation - USAID
Marine Stewardship Council	Michael Marriott	Marine Stewardship Council
Small Scale Fisheries Policy in Africa	Moenieba Isaacs	University of Western Cape
Small Scale Responsible Fisheries Training	Kashiefa Parker and Shannon Hampton	IOI-SA
Working with values and mental frames to accelerate positive change	Rob Zipplies	Common Cause South Africa

Thursday 21st September

Module 4C:		
Strategic Adaptive Management - Case of Kisite Marine Protected Area	Said Shee Mohamed	Participant Presentation – Kenyan Wildlife Services
TRAFFIC	Markus Burgener	TRAFFIC
Stakeholder Engagement	Leticia Greyling	Rhodes University/ IOI-SA Associate
Awareness-raising and Capacity Building		
Regional Policy Exercise	Lynn Jackson	IOI-SA

Friday 22nd September

Module 4C: Living Marine Resources		
Management of Demersal Fisheries Resources in Namibia	Ester Nangolo	Participant Presentation – Ministry of Fisheries and Marine Resources
Living Marine Resources	Kevern Cochrane	Rhodes University
Aquaculture		
Fisheries – International and Regional Agreements	Glory Semanya	Participant Presentation – Department of Transport
Comprehensive Maritimes Transport Policy		
Group Discussion Session	Adnan Awad	IOI-SA

Tuesday 26th September

Module 3: Governance Tools		
Coastal Zone Management in the Eastern Cape: Opportunities and Challenges	Xolani Nikelo	Participant Presentation – EC DEAT
Integrated Coastal Zone Management	Niel Malan	Department of Environmental Affairs
Ballast Water Management and Biosecurity	Adnan Awad	IOI-SA
Introduction to Marine Spatial Planning	Adnan Awad	IOI-SA
Marine Spatial Planning Exercise Workshop	Adnan Awad	IOI-SA



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Wednesday 27th September

Round Table		
Coral Reef Degradation and conservation on the Kenyan Coast	Edna Waithaka	Participant Presentation - KMFRI
Marine Spatial Planning Exercise	Adnan Awad	IOI-SA
Participants deliver Marine Spatial Planning Exercise	Round Table	

Thursday 28th September

Module 2: The Governance Framework		
Boat-based Whale Watching and White Shark Diving	Sifiso Fikizolo	Participant Presentation - DEA
Large Marine Ecosystems	David Vousden	Rhodes University
A recap of the essential elements to Ocean Governance		
Sustainable Development Goals		
Regional Policy Exercise Workshop	Adnan Awad	IOI-SA

Friday 29th September

Round Table		
Participants Deliver Regional Ocean Policy Workshop	Round Table	
Closing Remarks	Adnan Awad	IOI-SA
Presentation of Certificates		
Lunch and Visit to Kirstenbosch Botanical Gardens		





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THE 2017 OCEAN GOVERNANCE COURSE ALUMNI

2017 Ocean Ambassadors



Luther Adams
SANBI/ WWF-SA
Intern
South Africa



James Antilaky
Blue Ventures –
Fisheries Scientist
Madagascar



Akhona Baninzi
SAIMI – Research
Assistant
South Africa



Buhle Duma
University of Fort
Hare - MLLB
South Africa



Sifiso Fikozolo
DEA - Intern
South Africa



Saa-rah Adams
Western Cape
Government –
Environment Officer
South Africa



Socrates Apetorgbor
USAID Ghana
Sustainable Fisheries
Management
Project – Fisheries
Management and
Policy Specialist



Olona Buswana
SANBI – NRF Intern
South Africa



Sahr Abraham
Grass-Sessay
USAID West Africa
Biodiversity and
Climate Change –
Policy Programme
Advisor



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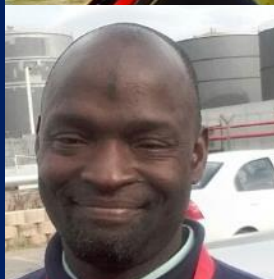
Said Mohamed
Kenyan Wildlife
Services - Sergeant
Kenya



Ester Nangolo
Ministry of Fisheries
and Marine
Resources – Senior
Fisheries Biologist
Namibia



Xolani Nikelo
Eastern Cape
DEDEAT – Assistant
Director
South Africa



Dr Akeem Olaniyi
Kaduna State
University – Senior
Lecturer
Nigeria



Boetse Ramahlo
SAMSA
South Africa



Bontle Ramokoka
University of Fort
Hare - MLLB
South Africa



Glory Semanya
Department of
Transport – Deputy
Director: Maritime
Policy and
Legislation
South Africa



Craig Smith
Department of
Agriculture, Forestry
and Fisheries –
Director: Small Scale
Fisheries
South Africa



Estee Vermeulen
University of Cape
Town – MSC
Oceanography
South Africa



Edna Waithaka
Kenya Marine and
Fisheries Research –
Research Officer
Kenya



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COURSE PARTNERS:

The IOI-SA is highly appreciative to our two partner organizations, SANBI and SAIMI, for their contributions towards the course, and for their welcoming address to the participants.



The South African International Maritime Institute (SAIMI) was formed in 2014 and is based in Nelson Mandela Bay. It aims to facilitate the development of the skills and knowledge base required to ensure the success of maritime economic development initiatives such as Operation Phakisa (South Africa) and the African Union's African Integrated Maritime Strategy. SAIMI serves South Africa and the African Continent by promoting skills development, education, training and research in support of the Blue Economy.



The South African National Biodiversity Institute (SANBI) leads and coordinates research, and monitors and reports on the state of biodiversity in South Africa. The institute provides knowledge and information, gives planning and policy advice and pilots best-practice management models in partnership with stakeholders.



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The course would not have been possible without the input of our regional and local experts from various institutions. We are very grateful for their time and contribution to Ocean Governance Training in Africa.



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