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A NOTE FROM THE DIRECTOR

This milestone of the 5th running of the Ocean Governance Training Programme for Africa has given us an opportunity to take stock and plan for the long and challenging road ahead. We continue to refine the course, in terms of content and approach, with a view to delivering a transformative and cutting edge programme for participants from a broad range of backgrounds. We are proud to acknowledge the role the course is playing in gradually strengthening the fabric of ocean governance across Africa, and honored to have the network of partners involved that are helping make sure this momentum continues well into the future.

However, we also recognize the magnitude of the rapidly evolving challenges facing us, and the risks being perpetuated through expanding interests in ocean resource exploitation. Which is why I was particularly heartened by this years group of participants, and their ability to refocus the discussions we had towards some of the most difficult aspects of ocean governance, such as socio-economic inclusivity, cultural identity and community integration and custodianship.

It was indeed evident that each participant had a plan for how they needed the coursework to help them achieve their next steps. And that is exactly what we have been aiming for in the years of course development. We want to be sure that the course is not only relevant and well executed, but that it is matching the needs, and anticipated by those who are already on a path of ocean and coastal governance. So after 5 years of the course, we are now going through a process to collect relevant input from alumni and all involved. We look forward to providing the distilled feedback and a nexus for an ongoing conversation about the emerging challenges, but also, and most importantly, to hearing back from all of you.

Here’s to the next five years!
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, provides and coordinates technical support, projects and capacity development 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 Training Course in Ocean Governance for Africa in 2013. The course is modeled on the structure and content of other IOI ocean governance courses (e.g. Canada and Malta), and designed to run annually, and meet the specific ocean governance conditions of the continent.

This year’s course was run from the 3rd to the 28th of September 2018, in partnership with the South African National Biodiversity Institute (SANBI) and the South African International Maritime Institute (SAIMI). This was the fifth delivery of the Course in Ocean Governance for Africa. It is a small milestone, but it is one we are excited about. After the first training course in 2013, the course wasn’t run in 2014 due to financial constraints but since then, the course has successfully run annually thanks to the financial commitments from the Ocean Science Research Foundation (OSRF), via IOI-HQ, and SAIMI. Our network of partners in South Africa and the region, also made significant in-kind contributions to support the course and its participants. We’d also like to acknowledge all the experts who return each year to engage with the participants and share their knowledge, for their outstanding generosity and commitment.

Each year we have received far more applications than we are able to accept, and the caliber of the applicants seems to become more impressive, making it a challenging task to select just twenty individuals from across Africa to attend the course. This year 71 applications from 14 countries were received. We are encouraged by the excellent gender ratio of applicants (35 males: 36 females), and what that means for ocean governance in Africa. It is our goal to include participants from a diverse range of disciplines and backgrounds who will be able to use the knowledge they gain in their work environments. This year’s 20 delegates represented ten countries: Cameroon, DRC, Egypt, Ghana, Kenya, Madagascar, Namibia, Nigeria, South Africa and Tanzania.
The contribution of the regional and national experts, many returning each year to lecture on the course, has contributed to strengthening the course over the five years. Lectures were delivered by over 40 regional and local experts from over 30 institutions. Each week included at least one field trip to a local point of interest, with demonstrational components related to the subject of study. 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.

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. The participants were also required to each give a short presentation of their own work.

During the first week of the course, Prof Magnus Ngoile of the University of Dar es Salam, challenged the participants to imagine that they had two minutes with the presidents of their countries to try to communicate the importance of the ocean. From oxygen to trade, food to climate regulation, the participants gave a diverse range of answers but found that the two-minute limit proved to be a challenge; indeed, it is also a challenge to translate long-term environmental, regulatory, economic and social services provided over long time scales by the ocean into the short-term frame work of political agendas.

Mihai Burca, an alumnus of the IOI-Canada governance course, took time out of his holiday in Cape Town to meet the course participants. He reminded them that they were now part of a global network of ocean ambassadors that they can tap into, but that they also have a responsibility to encourage good ocean governance in their future engagements. He showcased
the new online community platform that they will have access to as alumni of an IOI training programme (www.ioialumni.ioihq.org.mt).

The weeks were characterized by lively discussion and debate and a readiness to challenge the status quo, whether by turning the world map upside down or by changing the way we look at societal values. At the end of the first and second week, IOI-SA Director Adnan Awad asked the participants to point out just one or two things that had stood out for them during the week. They found the interdisciplinary nature of ocean governance eye-opening and hadn’t anticipated the broad scope of the subject in advance of the course.

Professor Chua Thia-Eng, member of the IOI Governing Board, and former Director of PEMSEA, joined the course in the final week to share his experiences of the role that regional organisations can play in coastal and ocean governance. For the first time, we opened up the course to the wider marine (SANCOR) community for a lunch time seminar with the Professor. He humbly gave examples of how successfully implementing integrated coastal zone management in one area, provides inspiration for other municipalities to follow suit and how he has successfully driven this process in areas with vastly different political doctrines and economic circumstances.

On the closing day, Adnan Awad asked the participants to state what commitment they were willing to make as ocean ambassadors returning to their places of work. 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. They also realized that they would have to critically assess and adapt work plans as necessary to make sure their work meaningfully contributes to a comprehensive governance framework. One of the other recurring commitments that emerged was to changing the approach taken to stakeholder engagement; in trying to better understand the perspectives of different sectors, we can begin to break down the traditional silos that have characterized and hindered ocean governance. The final discussion also highlighted how, in the context of economic, environmental and social importance of the ocean, the cultural and spiritual relationship that communities have with the ocean is often neglected, despite its importance - particularly in Africa.
Field Trips

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 City of Cape Town’s Kraaifontein Manual 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. John Kieser of PlasticSA highlighted some of the challenges and opportunities in the recycling industry and how the manufacturing and marketing industry can influence how successfully products can be recycled. John also invited the participants to join PlasticSA, POLYCO and Fine Music Radio on International Coastal Clean-up Day. The participants were able to see for themselves what kind of marine debris reaches the beaches (cigarette butts, straws, sweet wrappers etc.) and how challenging it can be to pick up microplastics and therefore to prevent them entering the ocean. Lunch was sponsored by Pick’n Pay.
In the second week, we visited the Port of Cape Town. Michael Melato from Transnet Ports Authority, who has lectured on Port Management in the course since its inception, was a course participant this year. He organized for the participants to explore some of the operational aspects of the Port, including the fire-fighting and engineering departments. Capt. Bill Dernier presented his Flag and Port State Control lecture in the Transnet Port Control Building Boardroom.

Marine Spatial Planning Field Trips
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 (False Bay and Saldanha Bay) and tasked with creating a user-interaction matrix and identifying possible areas of conflict. They were then asked to develop a spatial plan for their respective bays that incorporates the different stakeholder groups’ conflicting interests.
Field Trip to Saldanha Bay, Langebaan Beach and West Coast National Park

A visit to Saldanha Bay Oysters allowed participants to discuss the real challenges and opportunities that face mariculture practitioners in Saldanha Bay - including the impacts of marine pollution; invasive species; wave action and water quality and how plans for new development in the area impact existing businesses. We then visited 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 environmental concerns and considerations. We heard about practical day-to-day operations of the Port and from a Pilot about this particularly adventurous maritime profession.

From there, we visited the beach at Langebaan and discussed issues around change in sedimentation and erosion associated with the building and expansion of the Port.

Finally, we had a SANParks sponsored visit to the West Coast National Park, a RAMSAR wetland area. Here we learnt more about the management of this conservation area and adjacent MPA from SANParks scientist and course participant, Alison Kock. There was time for a quick visit to the Geelbek bird hide before heading back to Cape Town.
Field Trip to Boulders Beach Penguin Colony, Muizenberg Beach and Zandvlei Wetland.

The African Penguin is an Endangered species but the Boulders Beach colony remains one of the more stable colonies. It was only founded (by an intrepid pair of penguins) 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. However there are complex management issues to consider including how to manage the recent caracal attacks that have occurred. We were unlucky with the weather, but the penguins were worth the visit, even in the rain. After some hot drinks and a drive-by stop near Kalk Bay harbor, we had lunch at a popular recreational beach, Muizenberg – although it was definitely weather for exploring the beach. From there, we visited Zandvlei Wetland Reserve and Education Centre to discuss the Convention for Biological Diversity as well as 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 mouth of the river is opened and closed artificially at Muizenberg Beach. The wetland is managed by the City of Cape Town and we were privileged to have Mark Arendse walk us through the wetland and point out some of the traditional uses of the plants we were passing.
Regional Policy Exercise

The participants were required to work in groups on a Regional Policy Exercise throughout the four weeks of the course, with final presentations of their work to be delivered on the final day. The 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 Prof Chua Thiag-Eng, Lynn Jackson, Shannon Hampton and Adnan Awad, assessed the presentations and gave each group constructive feedback.

Social Program

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. This is facilitated by interactions outside of the intensive lecture schedule. Robin Adams, very kindly invited the course participants to a potjie on the Friday after his lecture. It was a wonderful evening and we are very grateful to Robin for his hospitality and the opportunity to relax and kick off the Heritage weekend celebrations.

There was a public holiday, Heritage Day, on the 24th September and some of the participants chose to explore Cape Point together on the day. This also provided an opportunity for them to meet Prof Chua Thia-Eng, who joined the course for the final week. On the 25th, back in the lecture room, we celebrated Heritage Day by wearing clothes that represented our culture and enjoying a special lunch organized by the South African participants.
The Two Oceans Aquarium and SANBI celebrated South Africa’s marine heritage with a special “MzanSea” event to launch the new website of the proposed MPAs and celebrate some of the special features captured in each of the MPAs: www.marineprotectedareas.org.za. We were grateful to be able to join the celebration and the participants saw some familiar faces from the South African marine community who had lectured on the course. They also had the opportunity to explore some of the wonderful Two Oceans Aquarium while we were there.

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 2018 course was concluded on the 28th 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.
THE SCHEDULE

Monday 3rd September

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<tr>
<td>General Introduction</td>
<td>Shannon Hampton</td>
<td>IOI-SA</td>
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<tr>
<td>Introduction to Course Partner, SANBI</td>
<td>Carmel Mbizvo</td>
<td>SANBI</td>
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<tr>
<td>Introduction to Course Partner, SAIMI</td>
<td>Adnan Awad (on behalf of SAIMI)</td>
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<tr>
<td>Introduction to IOI-SA</td>
<td>Adnan Awad</td>
<td>IOI-SA</td>
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<tr>
<td>Introduction to Law of the Sea</td>
<td>Awni Behnam (video address)</td>
<td>IOI-SA</td>
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<tr>
<td>What is Ocean Governance?</td>
<td>Adnan Awad</td>
<td>IOI-SA</td>
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<tr>
<td>Science to Governance</td>
<td>Magnus Ngoile</td>
<td>University of Dar es Salaam</td>
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Tuesday 4th September

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<tr>
<th>Module 2: The Governance Framework</th>
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<tr>
<td>Need for application of standards and improvement of marine pollution management techniques in the DRC</td>
<td>Laetitia Ngoie</td>
<td>Participant Presentation: Ministry of Foreign Affairs: DRC</td>
</tr>
<tr>
<td>International Regulatory Framework</td>
<td>Jan Glazewski</td>
<td>University of Cape Town</td>
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<tr>
<td>Regional Agreements</td>
<td>Magnus Ngoile</td>
<td>University of Dar es Salaam</td>
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<tr>
<td>National Framework and Ocean Policy</td>
<td>Radia Razack</td>
<td>Department of Environmental Affairs</td>
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<tr>
<td>Regional Framework Discussion</td>
<td>Magnus Ngoile</td>
<td>University of Dar es Salaam</td>
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<tr>
<td>IOI Partner Presentation</td>
<td>Mihai Burca</td>
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Wednesday 5th September

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<td>Status of South African Maritime Legislation</td>
<td>Crispen Camp</td>
<td>Participant Presentation: SAMSA, South Africa</td>
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<td>UNCLOS</td>
<td>Patrick Vrancken</td>
<td>Nelson Mandela University</td>
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Thursday 6th September

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<tr>
<th>Module 1: Oceans and Coasts: Threats and Opportunities</th>
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<tbody>
<tr>
<td>The National Biodiversity Assessment: The inclusion of the Prince Edward Islands, Southern Ocean</td>
<td>Robyn Adams</td>
<td>Participant Presentation: SANBI, South Africa</td>
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<tr>
<td>Threats to Oceans and Coasts</td>
<td>Coleen Moloney</td>
<td>University of Cape Town</td>
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<tr>
<td>Threats to Biodiversity</td>
<td>Pavis Pillay</td>
<td>WWF-SA</td>
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<tr>
<td>Marine Invasive Species</td>
<td>Charles Griffiths</td>
<td>University of Cape Town</td>
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<tr>
<td>Marine Debris</td>
<td>John Kieser</td>
<td>PlasticSA</td>
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<tr>
<td>Field Trip to City of Cape Town’s Kraalfontein Manual Recovery Plant</td>
<td>John Kieser</td>
<td>PlasticSA</td>
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Friday 9th September

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<td>Mangrove conservation through a carbon crediting scheme: a case study of Mikoko Pamoja</td>
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<td>Modelling</td>
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<td>Geospatial technologies</td>
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<td>Environmental Guidelines and Standards, Environmental Quality Monitoring and Assessment</td>
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<td>Introduction to Group Exercise on Regional Ocean Policy</td>
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Monday 10th September

| CO₂ Efflux impact on the Atmospheric Carbon Balance: An implication for climate change | Hosea Mande | Participant Presentation: Kaduna University, Nigeria |
| Climate Change | Neville Sweijd | ACCESS |
| Marine Stewardship Council in Africa | Michael Marriott | Marine Stewardship Council |
| Legal Aspects of Climate Change | Jan Glazewski | University of Cape Town |
| Mafia Island Marine Activities implementations | Pagu Julius Iswalala | Participant Presentation: Marine reserves, Tanzania |
| Building Coastal Community Resilience through the Use of Solar Energy and the Establishment of Alternative Activities | Charlotte Foncho | Participant Presentation: C3MAN Sustainable Development Institute, Cameroon |
| Air Pollution from ships | Hasina Ramaroson | Participant Presentation: Sustainable Development Institute, Madagascar |
| Towards a strategic and progressive marine environment that is inclusive of commerce and sustainable | Abisai Konstantinus | Participant Presentation: Namibian Ports Authority, Namibia |

Tuesday 11th September

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Module 5: Creating a Supportive Environment for the Management of Oceans
Stakeholder Engagement  | Leticia Greyling  | Rhodes University and IOI-SA Associate
Awareness-raising and capacity building

Thursday 13th September

Field Trip to Saldanda Bay Oyster Company, Port of Saldanha, Langebaan and West Coast National Park

Friday 14th September

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<td>Enhancing resilience to climate change in the Benguela Current Fisheries System</td>
<td>Elethu Duna</td>
<td>Participant Presentation: Benguela Current Commission, South Africa</td>
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<td>Ballast Water Management</td>
<td>Adnan Awad</td>
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<td>Dumping at Sea</td>
<td>Lynn Jackson</td>
<td>IOI-SA Associate</td>
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<td>Land-based Activity</td>
<td>Lynn Jackson</td>
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<td>MARPOL and Oil Spill Contingency Planning</td>
<td>Ravi Naicker</td>
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<td>Regional Policy Exercise</td>
<td>Lynn Jackson</td>
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<td>Group Discussion Session</td>
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<td>Fisheries Governance in Ghana</td>
<td>Paul Adjin-Tetty</td>
<td>Participant Presentation: Fisheries Commission, Ghana</td>
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<td>Living Marine Resources</td>
<td>Kevern Cochrane</td>
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<td>Aquaculture</td>
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<td>Fisheries – international and regional agreements</td>
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<td>Connecting the dots: A journey from environmental education and law enforcement to fisheries management</td>
<td>Bernacia Mullins</td>
<td>Participant Presentation: Department of Agriculture, Forestry and Fisheries, South Africa</td>
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<td>Small Scale Responsible Fisheries Training</td>
<td>Kashiefa Parker and Shannon Hampton</td>
<td>IOI-SA</td>
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<td>An overview of Marine Trade in Southern Africa</td>
<td>Nicola Okes</td>
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<td>Sinothando Shibe</td>
<td>Participant Presentation: SANBI, South Africa</td>
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<td>Maritime Security</td>
<td>Tony Cole</td>
<td>KingCole Maritime</td>
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<td>An introduction to Abalobi</td>
<td>Chris Kastern</td>
<td>Abalobi</td>
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<td>Indicators of social well-being</td>
<td>Mafaniso Hara</td>
<td>University of Western Cape</td>
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<td>Environmental Economics</td>
<td>Stephen Hosking</td>
<td>Cape Peninsular University of Technology</td>
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Introduction to the Blue Economy

Ken Findlay
Cape Peninsular University of Technology

Wednesday 19th September

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<td>The Management of South African Estuaries</td>
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<td>Zandvlei – Estuary management</td>
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<td>Zandvlei walkabout</td>
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Thursday 20th September

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

| Coastal and Marine Tourism Education | Lynn Jonas | Participant Presentation: Nelson Mandela University, South Africa |
| Conflict Resolution, discussion, exercise | Adnan Awad | IOI-SA |
| Working with human values and behavior to address societal issues | Rob Zipples | Common Cause |

Friday 21st September

| Marine Protected Areas | Robin Adams | WWF-SA |
| Agenda 2063            | Alex Benkenstein | SAIIA |
| African Maritime security: challenges and opportunities | Tim Walker | ISS |
| Regional Policy Exercise | Lynn Jackson | IOI-SA Associate |

Tuesday 25th September

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<td>A day in the life of a SANParks marine biologist</td>
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<td>Integrated Coastal Zone Management</td>
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<td>Role of regional organization in coastal and ocean governance</td>
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Module 3: Governance Tools, Marine Spatial Planning

| What is MSP and how does it fit into Integrated Ocean Management | Mandy Lombard | Nelson Mandela University |
| MSP in South Africa | | |
| MSP tools | | |
Wednesday 26th September

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<tr>
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<td>Operational methodology for Integrated Coastal Management (ICM): the ICM System</td>
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<td>Participant Marine Spatial Planning Exercise – Saldanha Bay and False Bay</td>
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<th>NIOF Research Activities in the Red Sea, Egypt</th>
<th>Ayman Ahmed</th>
<th>Participant Presentation: NIOF, Egypt</th>
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<tr>
<td>A recap of the essential elements to Ocean Governance</td>
<td>Adnan Awad</td>
<td>IOI-SA</td>
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<td>BBNJ and the STRONG High Seas Project</td>
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<td>Closing Remarks and discussion</td>
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<tr>
<td>Lunch and Visit to Kirstenbosch Botanical Gardens</td>
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The IOI-SA is highly appreciative to our two partner organizations, SANBI and SAIMI, for their contributions towards the course.

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.
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.