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#### PROGRAMME

**REGIONAL Workshops on**

**the International Convention for the Control and Management of Ships' Ballast Water and Sediments,**

**the International Convention on the Control of Harmful Anti-Fouling Systems on Ships**

**and the Guidelines for the Control and Management of Ships’ Biofouling to Minimize the Transfer of Invasive Aquatic Species**

**Fiji, 3 to 7 June 2019**

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| Day One | Monday, 3 June 2019 | Speaker/Lecturer |
| 08:30-09:00 | Arrival and registration of participants |  |
| 09:00-09:30 | Opening ceremony * Welcome addresses
* Introduction to the programme
* Group photograph
 | IMO and hosts |
| 09:30-10:00 | Ballast water management introduction Compliance, Monitoring and Enforcement Module 1* Introduction to IMO
* IMO's Integrated Technical Cooperation Programme
* Introduction to the BWM Convention – CME Module 1
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| *10:00-10:30* | Refreshments |  |
| 10:30-11:30 | Compliance, Monitoring and Enforcement Module 2* Relevant instruments, principles and strategies
* Introduction to CME for ballast water management
* Exercise
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| 11:30-12:00 | Compliance, Monitoring and Enforcement Module 3* BWM Convention background, objectives, and structure
* Articles of the Convention
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| *12:00-13:00* | Lunch |  |
| 13:00-14:00 | Compliance, Monitoring and Enforcement Module 3 (continued)* Technical provisions
* BWM Convention annex and resolutions
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| 14:00-15:00 | Compliance, Monitoring and Enforcement Module 4* Rights and obligations of flag, port and coastal States
* BWM surveys and certificates
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| *15:00-15:30* | Refreshments |  |
| 15:30-17:00 | Compliance, Monitoring and Enforcement Module 4 (continued)* Additional protective measures
* Sediments and water reception facilities
* Communication of information
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| *17:00*  | *End of day one* |  |

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| Day Two  | Tuesday, 4 June 2019 | Speaker/Lecturer |
| 09:00-09:15 | Recap of Day 1 |  |
| 09:15-11:00 | Compliance, Monitoring and Enforcement Module 5* Port State compliance, monitoring and enforcement (CME) systems
* Inspections, sampling and analysis
* Enforcement measures
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| 11:00-11:30 | Refreshments |  |
| 11:30-12:30 | Compliance, Monitoring and Enforcement Module 5 (continued)* CME Exercises
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| *12:30-13:30* | Lunch |  |
| 13:30-15:00 | Role play |  |
| 15:00-15:30 | Compliance, Monitoring and Enforcement conclusion* Discussion
* Q&A
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| *15:30-16:00* | Refreshments |  |
| 16:00-16:30 | Introduction to risk management* Hazard, exposure, vulnerability and risk
* Risk assessment and mitigation
* Subjectivity and limitations
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| 16:30-17:00 | Risks in the context of BWM* Diversity of risks
* D-1 and D-2 standards
* Overview of risk management
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| *17:00* | *End of day two* |  |

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| Day Three  | Wednesday, 5 June 2019 | Speaker/Lecturer |
| 09:00-09:15 | Recap of Day 2 |  |
| 09:15-10:00 | Pre-arrival risk assessment principles* Pre-arrival risk assessments for non-compliance and biological risks
* Ballast water reporting forms
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| 10:00-10:45 | Pre-arrival risk assessment in practice* Existing risk assessment tools
* Integrated risk assessment decision support system
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| *10:45-11:15* | Refreshments |  |
| 11:15-12:00 | Risk assessment for exemptions* Introduction to exemptions
* Risk-based exemptions and Guidelines (G7)
* Same risk area principle
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| 12:00-12:45 | Port Biological Baseline Surveys (PBBS), Part I* Invasive species: background and impacts
* Monitoring: baseline surveys and risk management
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| *12:45-13:45* | Lunch |  |
| 13:45-14:30 | Port Biological Baseline Surveys (PBBS), Part II* Definition and purpose of PBBS
* Protocols for PBBS
* Adapting surveys to local circumstances
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| 14:30-15:30 | PBBS planning, design and preparation* Initial steps for survey preparation
* Designing a survey and developing a survey plan
* Preparing for contingencies
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| *15:30-16:00* | Refreshments |  |
| 16:00-16:30 | Recording and optimization of PBBS* Sampling best practices: recording, labelling and tracking
* Taxonomy, results and data
* Survey results, dissemination and follow-up
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| 16:30-17:00 | PBBS and risk assessment conclusion* Discussion
* Q&A
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| *17:00* | *End of BWM workshop* |  |

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| **Day Four** | Thursday, 6 June 2019 | **Speaker/Lecturer** |
| 09:00-09:15 | Opening of the workshop on the AFS Convention and the Biofouling Guidelines * Introduction to the programme
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| 09:15-10:00 | **Anti-fouling systems - technical aspects*** Fouling and the need for control
* Introduction to anti-fouling systems (AFS) and the case against TBT
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| 10:00-10:45 | **Current and future anti-fouling systems** * Current and future anti-fouling systems not based on organotin biocides
* Risk assessments
* Biocide-free anti-fouling systems
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| *10:45-11:15* | Refreshments |  |
| 11:15-12:00 | **The international regulatory framework*** Overview of the International Convention on the Control of Harmful Anti-fouling Systems on Ships, 2001 (AFS Convention)
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| 12:00-12:45 | **Survey and certification under the AFS Convention*** Survey and certification requirements
* Role and duties of flag States and recognized organizations (ROs)
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| *12:45-13:45* | Lunch |  |
| 13:45-14:30 | **Inspection under the AFS Convention*** Port State control
* Role and duties of port and coastal States
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| 14:30-15:00 | **Sampling under the AFS Convention*** Provisions for sampling of anti-fouling systems
* Overview of sampling techniques
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| *15:00-15:30* | Refreshments |  |
| 15:30-16:15 | **Additional AFS regulatory aspects*** Best management practices for the removal of anti-fouling coatings
* Safe handling and disposal of anti-fouling wastes
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| 16:15-17:00 | Group discussion and summary* Identification of any pending issues with regard to anti-fouling systems and the AFS Convention
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| 17:00 | ***End of day four*** |  |

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| **Day Five** | Friday, 7 June 2019 | **Speaker/Lecturer** |
| 09:00-09:15 | Recap of Day 4 |  |
| 09:15-10:30 | **Introduction to biofouling*** What is biofouling
* Types of biofouling and the biofouling process
* How the selection of anti-fouling system affects biofouling
* Factors influencing the accumulation and translocation of invasive aquatic species (IAS)
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| *10:30-11:00* | Refreshments |  |
| 11:00-13:00 | **IMO's Biofouling Guidelines*** Biofouling management plan and record book
* AFS installation and maintenance
* In-water inspection, cleaning and maintenance
* Design and construction
* Dissemination of information, training, education and research
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| *13:00-14:00* | Lunch |  |
| 14:00-14:30 | **Additional biofouling regulatory aspects*** Guidelines for recreational craft
* Implementation of the Biofouling Guidelines or other measures on a national level
* Evaluation of the Biofouling Guidelines
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| 14:30-15:00 | Group discussion and summary* Identification of any pending issues with regard to biofouling and the Guidelines
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| 15:00-15:30 | course close-out session* Closing remarks
* Presentation of certificates
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| 15:30 | ***End of workshops*** |  |
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