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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 |  |
| *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 |  |
| 11:30-12:00 | Compliance, Monitoring and Enforcement Module 3   * BWM Convention background, objectives, and structure * Articles of the Convention |  |
| *12:00-13:00* | Lunch |  |
| 13:00-14:00 | Compliance, Monitoring and Enforcement Module 3 (continued)   * Technical provisions * BWM Convention annex and resolutions |  |
| 14:00-15:00 | Compliance, Monitoring and Enforcement Module 4   * Rights and obligations of flag, port and coastal States * BWM surveys and certificates |  |
| *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 |  |
| *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 |  |
| 11:00-11:30 | Refreshments |  |
| 11:30-12:30 | Compliance, Monitoring and Enforcement Module 5 (continued)   * CME Exercises |  |
| *12:30-13:30* | Lunch |  |
| 13:30-15:00 | Role play |  |
| 15:00-15:30 | Compliance, Monitoring and Enforcement conclusion   * Discussion * Q&A |  |
| *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 |  |
| 16:30-17:00 | Risks in the context of BWM   * Diversity of risks * D-1 and D-2 standards * Overview of risk management |  |
| *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 |  |
| 10:00-10:45 | Pre-arrival risk assessment in practice   * Existing risk assessment tools * Integrated risk assessment decision support system |  |
| *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 |  |
| 12:00-12:45 | Port Biological Baseline Surveys (PBBS), Part I   * Invasive species: background and impacts * Monitoring: baseline surveys and risk management |  |
| *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 |  |
| 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 |  |
| *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 |  |
| 16:30-17:00 | PBBS and risk assessment conclusion   * Discussion * Q&A |  |
| *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 |  |
| 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 |  |
| 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 |  |
| *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) |  |
| 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) |  |
| *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 |  |
| 14:30-15:00 | **Sampling under the AFS Convention**   * Provisions for sampling of anti-fouling systems * Overview of sampling techniques |  |
| *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 |  |
| 16:15-17:00 | Group discussion and summary  * Identification of any pending issues with regard to anti-fouling systems and the AFS Convention |  |
| 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) | |  |
| *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 | |  |
| *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 | |  |
| 14:30-15:00 | Group discussion and summary  * Identification of any pending issues with regard to biofouling and the Guidelines | |  |
| 15:00-15:30 | course close-out session  * Closing remarks * Presentation of certificates | |  |
| 15:30 | ***End of workshops*** | |  |
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