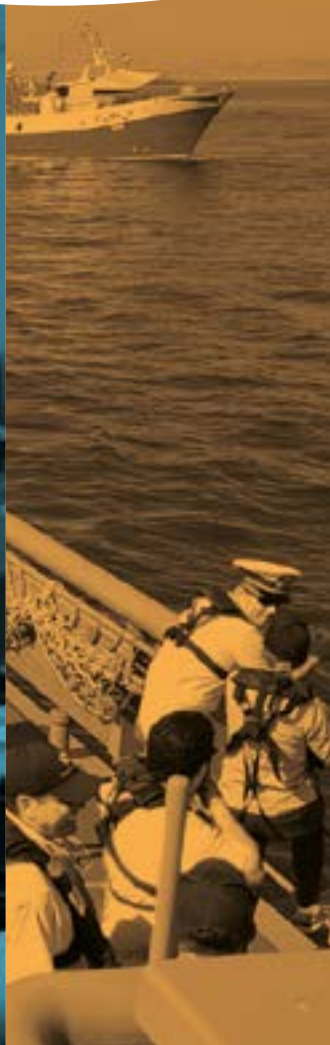


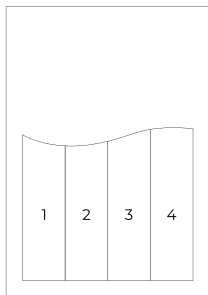


Food and Agriculture
Organization of the
United Nations

Prospectus

FAO fisheries training programme in support of the implementation of international instruments





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Prospectus

FAO fisheries training programme in support of the implementation of international instruments

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Abbreviations and acronyms

ABNJ	areas beyond national jurisdiction
AIS	Automatic Identification System
BBNJ	marine biological diversity of areas beyond national jurisdiction
CMMS	conservation and management measures
FAO	Food and Agriculture Organization of the United Nations
FMC	fisheries monitoring centre
ILO	International Labour Organization
IMO	International Maritime Organization
IUU	illegal, unreported and unregulated (fishing)
MCS	monitoring, control and surveillance
PSMA	Agreement on Port State Measures to Prevent, Deter and Eliminate Illegal, Unreported and Unregulated Fishing
REMs	remote electronic monitoring systems
RFBs	regional fishery bodies
RFMOs	regional fisheries management organizations
UN	United Nations
UNCLOS	United Nations Convention on the Law of the Sea of 10 December 1982 relating to the Conservation and Management of Straddling Fish Stocks and Highly Migratory Fish Stocks
VMS	vessel monitoring system

Executive summary

In 2017, the Food and Agriculture Organization of the United Nations (FAO) launched its Global Capacity Development Programme to support the implementation of the 2009 Agreement on Port State Measures to Prevent, Deter and Eliminate Illegal, Unreported and Unregulated Fishing (PSMA) and complementary international instruments, regional mechanisms and tools to combat illegal, unreported and unregulated (IUU) fishing (the Programme). The Programme aims to contribute to national, regional and global efforts to prevent, deter and eliminate IUU fishing; it provides the overall framework within which FAO and its development partners articulate and mobilize coordinated actions in support of the implementation of port State measures and complementary international instruments. Developing States and Small Island Developing States (SIDS), both Parties and non-parties to the Agreement, can benefit from the Programme.

Since its inception, the European Union (Member Organization), Germany, Iceland, Norway, the Republic of Korea, Spain, Sweden and the United States of America have committed in excess of USD 26 million for the Programme's implementation. This investment has funded a range of activities including training, needs assessments, reviews and revisions of the legal framework, as well as the strengthening of institutions, systems and operations related to monitoring, control and surveillance (MCS), in 50 States. As the Programme has evolved, FAO has recognized the need to elaborate a more comprehensive fisheries training framework to support the capacity development activities provided to States.

When developing FAO's Fisheries Training Framework, it was deemed of utmost importance to standardize the courses delivered under the Programme. This choice was made to ensure a uniform implementation of the relevant international instruments and allow a degree of flexibility in order to meet the specific requirements of different States.



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The FAO Fisheries Training Framework is therefore based on a modular system, whereby modules may be grouped together to create different courses based on the learner's relevant needs.

Courses that have been offered under the Programme so far include: the International Course on Fisheries Law, the International Course on PSMA Inspection Training, the National Course on Fisheries Law, and the National Course on PSMA Inspection Training. However, by adopting a modular system, FAO will be able to develop a far wider spectrum of courses.

This prospectus provides an overview of the modules offered under the FAO Fisheries Training Framework, including a detailed description of each module, its corresponding lectures and expected learning outcomes. Elsewhere, it provides detailed information on each of the courses currently offered, including their objectives, target participants and overall expected learning outcomes, as well as other relevant information.

List of modules

Module title: Public international law
Module code: PIL - 101
Introduction to public international law
Subjects of international law
Sources of international law
Law of Treaties
Jurisdiction
Relationship between international law and national law
State responsibility

Module title: Overview of public international law
Module code: PIL - 102
An overview of public international law
Jurisdiction
Relationship between international law and national law

Module title: The Law of the Sea
Module code: LOS - 101
Introduction to the Law of the Sea
Territorial sea and contiguous zone
Exclusive economic zone / exclusive fishing zone
Continental shelf
High seas
Straits
Archipelagic States
The right of hot pursuit
Marine scientific research
Landlocked States
Settlement of international fisheries disputes

Module title: Overview of the Law of the Sea I
Module code: LOS - 102
Overview of the Law of the Sea: introduction
Territorial sea and contiguous zone
Exclusive economic zone / exclusive fishing zone
Continental shelf
High seas I: legal status and freedom of fishing
Archipelagic States: legal status and fisheries' rights

Module title: Overview of the Law of the Sea II
Module code: LOS - 103
High seas II: jurisdictional aspects
Straits and archipelagic States: navigational aspects
The right of hot pursuit: an overview
Marine scientific research: jurisdictional aspects

Module title: Fisheries management
Module code: FM - 101
Introduction to managing fisheries sustainably
Policy, legal and institutional frameworks
Management measures and tools
Fishing operations
Illegal, unreported and unregulated fishing
Preventing, deterring and eliminating IUU fishing through the PSMA and complementary international instruments and tools
Regional fisheries management
Field excursion – fisheries management

Module title: Overview of fisheries management
Module code: FM - 102
Introduction to managing fisheries sustainably
Policy, legal and institutional frameworks
Illegal, unreported and unregulated fishing
Preventing, deterring and eliminating IUU fishing through the PSMA and complementary international instruments and tools

Module title: Fisheries law
Module code: FL - 101
Introduction to international Law of the Sea – fisheries
Relevant treaties and soft law instruments
Coastal State, flag State, and port State rights and responsibilities and market-related measures
Introduction to regional fishery bodies
Safety of fishing vessels
Work in fishing
Marine biological diversity of areas beyond national jurisdiction (BBNJ)
Introduction to fisheries legislation

Module title: Overview of fisheries law
Module code: FL - 102
An overview of international Law of the Sea – fisheries
An overview of the relevant treaties and soft law instruments
An overview of coastal State, flag State, and port State rights and responsibilities and market-related measures
General introduction to regional fishery bodies
An overview of safety of fishing vessels and work in fishing
General introduction to fisheries legislation

Module title: Introduction to fisheries law
Module code: FL - 103
An overview of relevant treaties and soft law instruments
An overview of the coastal State, flag State, and port State rights and responsibilities and market-related measures
General introduction to regional fishery bodies
General introduction to fisheries legislation

Module title: Fisheries monitoring, control and surveillance (MCS) I – information
Module code: MCS - 101
Introduction to MCS
Introduction to MCS information types
Types: fisheries dependent information (derived from operators)
Types: fisheries independent information (derived from official sources)
Introduction to MCS information sources
Sources: information from operators
Sources: information from official activities
Sources: intelligence
Uses
Management

Module title: Fisheries monitoring, control and surveillance (MCS) II – programmes / schemes
Module code: MCS - 102
Introduction to MCS ¹
Introduction to MCS programmes, schemes, etc.
Inspection programmes and schemes
Observer programmes
Specific programmes
Structuring of MCS policy and operational elements
Planning of MCS operations (sea, shore, air)
Implementation of MCS operations (sea, shore, air)

¹This Lecture will be omitted when this module is combined with MCS-101 and MCS-103.

Sea inspections – operations
Shore inspections – operations
Aerial operations
Powers and authority: fisheries inspectors, observers, other officers

Module title: Fisheries monitoring, control and surveillance (MCS) III – technology
Module code: MCS – 103
Introduction to MCS ²
Introduction to MCS technology
Fisheries monitoring centre (FMC)
Vessel tracking and imagery tools in FMCs: radar, VMS, AIS, other satellite tools
Data integration, analysis and strategic application
Remote electronic monitoring systems
Use of emerging technologies
Introduction to MCS assets
Surface MCS assets (vessels)
Aerial surveillance assets
Terrestrial assets
Field excursion (fisheries monitoring centre and coast guard operations centre)

²This Lecture will be omitted when this module is combined with MCS-101 and MCS-102.

Module title: Overview of fisheries monitoring, control and surveillance (MCS) I – information: types, sources, uses, management
Module code: MCS – 104
Introduction to MCS
Introduction to MCS information types
Types: fisheries dependent information (derived from operators)
Types: fisheries independent information (derived from official sources)
Introduction to MCS information sources
Uses
Management

Module title: Overview of fisheries monitoring, control and surveillance (MCS) II – programmes / schemes
Module code: MCS – 105
Introduction to MCS ³
Introduction to MCS programmes, schemes, etc.
Structuring of MCS policy and operational elements
Planning of MCS operations (sea, shore, air)
Implementation of MCS operations (sea, shore, air)
Powers and authority: fisheries inspectors, observers, other officers

Module title: Overview of fisheries monitoring, control and surveillance (MCS) III – technology
Module code: MCS – 106
Introduction to MCS ⁴
Introduction to MCS technology
Fisheries monitoring centre (FMC)
Data integration, analysis and strategic application
Introduction to MCS assets
Field excursion (fisheries monitoring centre and coast guard operations centre)

³This Lecture will be omitted when this module is combined with MCS-104 and MCS-106.

⁴This Lecture will be omitted when this module is combined with MCS-104 and MCS-105.

Module title: Introduction to fisheries monitoring, control and surveillance (MCS) I – information: types, sources, uses, management
Module code: MCS – 107
Introduction to MCS
Introduction to MCS information types
Introduction to MCS information sources
Uses

Module title: Introduction to fisheries monitoring, control and surveillance (MCS) II – programmes / schemes
Module code: MCS – 108
Introduction to MCS ⁵
Introduction to MCS programmes, schemes, etc.
Structuring of MCS policy and operational elements
Powers and authority: fisheries inspectors, observers, other officers

Module title: Introduction to fisheries monitoring, control and surveillance (MCS) III – technology
Module code: MCS – 109
Introduction to MCS ⁶
Introduction to MCS technology
Introduction to MCS assets
Field excursion (fisheries monitoring centre and coast guard operations centre)

⁵This Lecture will be omitted when this module is combined with MCS-107 and MCS-109.

⁶This Lecture will be omitted when this module is combined with MCS-107 and MCS-108.

Module title: Fisheries enforcement (technical aspects)
Module code: ENF - 101
Introduction to enforcement
Types of fisheries non-compliance
Fisheries associated and related crimes
Detection
Evidence collection and handling
Post-inspection actions

Module title: Fisheries enforcement (legal aspects)
Module code: ENF - 102
Pre-trial preparations
Introduction to case handling and court procedures (trial)
Evidence
Expert witnesses
Corroboration
Criminal and administrative processes and sanctions
Appeal procedure
Preparation for moot court
Moot court

Module title: Overview of fisheries enforcement (technical aspects)
Module code: ENF - 103
Introduction to enforcement
Types of fisheries non-compliance
Fisheries associated and related crimes
Post-inspection actions

Module title: **Overview of fisheries enforcement (legal aspects)**

Module code: **ENF - 104**

Introduction to pre-trial preparations

Overview of evidence management

Overview of the available enforcement processes and sanctions

Module title: **Introduction to fisheries enforcement (technical aspects)**

Module code: **ENF - 105**

Introduction to enforcement

Types of fisheries non-compliance

Fisheries associated and related crimes

Detection

Module title: **National and international cooperation and coordination**

Module code: **COOP - 101**

Introduction to cooperation and coordination

National inter-agency cooperation and coordination

Regional and international cooperation and coordination

Module title: Port State Measures Agreement
Module code: PSMA – 101
Introduction to the Port State Measures Agreement
Port entry and use of ports
Inter-agency coordination, cooperation and exchange of information
Introduction to PSMA inspections
Inspector training
Planning and preparation
Conduct of inspections
Follow-up actions
Electronic exchange of information
Role of flag States in port State measures
Requirements of developing States
Non-parties to the PSMA

Module title: Overview of Port State Measures Agreement
Module code: PSMA – 102
Introduction to the Port State Measures Agreement
Inter-agency coordination, cooperation and exchange of information

Description of modules

Module title	Public international law
Module code	PIL - 101
Description of module	<p>This module analyses public international law as a cornerstone of international fisheries law. It examines the nature of international law in today's global society and focuses on its subjects and sources. Other branches of public international law examined in this part include: the relationship between international law and national law; the basis of the exercise of jurisdiction; and elements of State responsibility.</p> <p>The module then moves on to consider international organizations with a focus primarily on the United Nations and its specialized agencies, with an emphasis on FAO and regional fisheries management organizations (RFMOs).</p>
Lectures	<p>Title: Introduction to public international law</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. has a general understanding of public international law and its fundamental principles; 2. understands the importance of international legal and institutional frameworks in all matters regarding the sustainable use of natural resources.

Module title	Public international law
	<p data-bbox="651 371 1110 405">Title: Subjects of international law</p> <p data-bbox="651 454 1038 488"><u>Expected learning outcomes</u></p> <p data-bbox="651 533 810 566">The learner:</p> <ol data-bbox="651 577 1378 1025" style="list-style-type: none"> 1. understands the concept of subjects of international law and of legal personality; 2. knows who are the subjects of international law; 3. is familiar with the criteria necessary for a State to be considered as a subject of international law; 4. understands that international organizations may be subjects of international law, as well as the methods of determining their international personality; 5. knows the status of individuals in the international legal order. <hr data-bbox="638 1182 1386 1187"/> <p data-bbox="651 1193 1094 1227">Title: Sources of international law</p> <p data-bbox="651 1276 1035 1310"><u>Expected learning outcomes</u></p> <p data-bbox="651 1355 810 1388">The learner:</p> <ol data-bbox="651 1400 1378 1892" style="list-style-type: none"> 1. is aware that Article 38 of the Statute of the International Court of Justice is accepted as listing the sources of international law; 2. is familiar with the norms and sources of international law, namely: <ol data-bbox="686 1601 1378 1803" style="list-style-type: none"> a) international conventions; b) international custom; c) the general principles of law, and; d) judicial decisions and the teachings of the most highly qualified publicists; 3. understands the relationship between treaties and customary law.

Module title	Public international law
	<p data-bbox="647 371 916 405">Title: Law of treaties</p> <p data-bbox="647 454 1034 488"><u>Expected learning outcomes</u></p> <p data-bbox="647 535 807 568">The learner:</p> <ol data-bbox="647 577 1369 1227" style="list-style-type: none">1. understands what a treaty is, its application and effects;2. has an overall understanding of the international legal framework governing international treaties, as provided for in the Vienna Convention on the Law of Treaties, 1969;3. is familiar with the methods for the adoption, entry into force and amendment of treaties;4. understands the means of expressing consent to be bound by a treaty;5. knows the effects of reservations and interpretative declarations;6. knows how the withdrawal and termination of treaties takes place;7. is familiar with the rules for the interpretation of treaties.
	<p data-bbox="647 1323 871 1357">Title: Jurisdiction</p> <p data-bbox="647 1406 1034 1440"><u>Expected learning outcomes</u></p> <p data-bbox="647 1487 807 1520">The learner:</p> <ol data-bbox="647 1529 1369 1816" style="list-style-type: none">1. knows what jurisdiction is;2. understands the different bases of jurisdiction;3. understands the principle of universal jurisdiction;4. understands the concept of prescriptive, enforcement and adjudicative jurisdiction;5. understands port, coastal and flag State jurisdiction over vessels.

Module title	Public international law
	<p data-bbox="644 376 1310 443">Title: Relationship between international law and national law</p> <p data-bbox="644 495 1031 524"><u>Expected learning outcomes</u></p> <p data-bbox="644 573 804 602">The learner:</p> <ol data-bbox="644 618 1374 1016" style="list-style-type: none"> 1. is familiar with the concepts of “monist” and “dualist” legal systems; 2. understands the relation between the obligations of States and national law; 3. is aware of the rules regarding the incorporation of international law into national law; 4. recognizes the importance of the incorporation and proper implementation of international law into national law to effectively achieve the aims of treaties. <hr data-bbox="635 1182 1386 1189"/> <p data-bbox="644 1200 970 1229">Title: State responsibility</p> <p data-bbox="644 1279 1027 1308"><u>Expected learning outcomes</u></p> <p data-bbox="644 1357 804 1386">The learner:</p> <ol data-bbox="644 1402 1374 1800" style="list-style-type: none"> 1. understands the nature of State responsibility; 2. is familiar with the elements of State responsibility; 3. can identify the circumstances which preclude wrongfulness; 4. understands the invocation of responsibility and diplomatic protection; 5. has an overall understanding of the international legal framework, as provided for in the Draft Articles on Responsibility of States for Internationally Wrongful Acts, 2001.

Module title	Overview of public international law
Module code	PIL - 102
Description of module	<p>This module serves as a general introduction to public international law. It provides a general overview of the subject, introducing participants to the concepts of subjects and sources of international law, as well as to the concept of State responsibility. The module then studies the relationship between international law and national law, and the basis of the exercise of jurisdiction.</p>
Lectures	<p>Title: An overview of public international law</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. understands the fundamental principles of international law; 2. is aware of the international legal and institutional frameworks for the sustainable use of natural resources; 3. is familiar with the different subjects of international law; 4. understands the different sources of international law and their interrelation; 5. appreciates that an international wrongful act may lead to State responsibility.

Module title	Overview of public international law
	<p data-bbox="624 371 852 405">Title: Jurisdiction</p> <p data-bbox="624 454 1011 488"><u>Expected learning outcomes</u></p> <p data-bbox="624 535 783 568">The learner:</p> <ol data-bbox="624 577 1375 902" style="list-style-type: none"> <li data-bbox="624 577 1129 611">1. knows the meaning of jurisdiction; <li data-bbox="624 620 1262 654">2. is aware of the different bases of jurisdiction; <li data-bbox="624 663 1375 734">3. is familiar with the principle of universal jurisdiction; and <li data-bbox="624 743 1375 815">4. is familiar with the concept of prescriptive, enforcement and adjudicative jurisdiction; <li data-bbox="624 824 1375 902">5. is familiar with port, coastal and flag State jurisdiction over vessels. <hr data-bbox="608 1003 1383 1010"/> <p data-bbox="624 1019 1375 1090">Title: Relationship between international law and national law</p> <p data-bbox="624 1140 1011 1173"><u>Expected learning outcomes</u></p> <p data-bbox="624 1220 783 1254">The learner:</p> <ol data-bbox="624 1263 1375 1543" style="list-style-type: none"> <li data-bbox="624 1263 1375 1335">1. is familiar with the concepts of “monist” and “dualist” legal systems; <li data-bbox="624 1344 1375 1415">2. is familiar with the relation between the obligations of States and national law; <li data-bbox="624 1424 1375 1543">3. recognizes the importance of the incorporation and proper implementation of international law into national law to effectively achieve the aims of treaties.

Module title	The Law of the Sea
Module code	LOS - 101
Description of module	<p>This module introduces participants to the intricacies of the Law of the Sea and its importance in all matters regarding the sustainable use of marine resources. It begins by analysing the genesis and historical development of the Law of the Sea and explores its basic elements. The module encompasses a review of the international regimes regulating the rights and duties of States in the different maritime zones, namely: the territorial sea and the intricacies of innocent passage; the contiguous zone; the exclusive economic zone / exclusive fishing zone; the continental shelf, including its relationship with the legal status of the superjacent waters; and the high seas, with emphasis on the exclusive jurisdiction of the flag State and the limited exceptions thereto.</p> <p>Other areas of importance in this module include those relating to straits and archipelagic States as they may affect both fishing activities and navigation by fishing vessels. Furthermore, the module considers enforcement rights through the exercise of the right of hot pursuit.</p> <p>The module provides a thorough analysis of the marine scientific research regime, including the rules governing consent, its general principles, and the jurisdictional and enforcement matters relating to the deployment and use of marine scientific research installations and equipment. The module then addresses the rights of landlocked and geographically disadvantaged States, concluding with a discussion on the settlement of international fisheries disputes.</p>

Module title	The Law of the Sea
Lectures	<p data-bbox="614 369 1157 398">Title: Introduction to the Law of the Sea</p> <p data-bbox="614 450 1013 479"><u>Expected learning outcomes</u></p> <p data-bbox="614 530 790 560">The learner:</p> <ol data-bbox="614 571 1380 851" style="list-style-type: none">1. has a general understanding of what the Law of the Sea is, along with its fundamental principles;2. is aware of the history of the codification of the Law of the Sea;3. understands the importance of the international legal and institutional frameworks for the sustainable use of marine resources.
	<p data-bbox="614 969 1165 999">Title: Territorial sea and contiguous zone</p> <p data-bbox="614 1050 1013 1079"><u>Expected learning outcomes</u></p> <p data-bbox="614 1131 790 1160">The learner:</p> <ol data-bbox="614 1171 1380 1585" style="list-style-type: none">1. understands the legal status of the territorial sea, its bed, subsoil and air space superjacent thereto;2. is aware of the maximum breadth of the territorial sea;3. is familiar with the rights and duties of the coastal State in its territorial sea;4. has an overall understanding of the right of innocent passage;5. understands the concept of the contiguous zone;6. knows the rights of the coastal State in the contiguous zone.

Module title	The Law of the Sea
	<p data-bbox="616 367 1342 398">Title: Exclusive economic zone / exclusive fishing zone</p> <p data-bbox="616 450 1002 481"><u>Expected learning outcomes</u></p> <p data-bbox="616 533 772 564">The learner:</p> <ol data-bbox="616 573 1366 976" style="list-style-type: none">1. understands the developments leading to the establishment of an exclusive economic zone / exclusive fishing zone;2. understands the legal status of the exclusive economic zone / exclusive fishing zone;3. is familiar with the rights and obligations of coastal and other States in the exclusive economic zone / exclusive fishing zone;4. understands the relationship between the exclusive economic zone and the continental shelf regimes. <hr/> <p data-bbox="616 1010 914 1041">Title: Continental shelf</p> <p data-bbox="616 1093 999 1124"><u>Expected learning outcomes</u></p> <p data-bbox="616 1176 772 1207">The learner:</p> <ol data-bbox="616 1216 1366 1536" style="list-style-type: none">1. understands the legal status of the continental shelf;2. knows the criteria to define the extension of the continental shelf;3. can determine the rights enjoyed on the continental shelf;4. is familiar with the relationship of the continental shelf to the legal status of the waters superjacent thereto. <hr/> <p data-bbox="616 1576 810 1608">Title: High seas</p> <p data-bbox="616 1659 999 1691"><u>Expected learning outcomes</u></p> <p data-bbox="616 1742 772 1774">The learner:</p> <ol data-bbox="616 1783 1366 2024" style="list-style-type: none">1. understands the legal status of the high seas;2. is familiar with the freedoms of the high seas;3. recognizes the exclusive jurisdiction of the flag State on the high seas;4. can identify exceptions to the exclusive jurisdiction of the flag State on the high seas.

Module title	The Law of the Sea
	<p data-bbox="616 376 778 405">Title: Straits</p> <p data-bbox="616 456 1011 486"><u>Expected learning outcomes</u></p> <p data-bbox="616 537 783 566">The learner:</p> <ol data-bbox="616 577 1375 987" style="list-style-type: none">1. understands the legal concept of international straits;2. recognizes the straits which are covered by, and those that are excluded from, the application of transit passage;3. has an overall understanding of the concept of transit passage;4. can identify the duties of ships and aircraft during transit passage;5. is familiar with the rights and duties of States bordering straits.
	<p data-bbox="616 1106 951 1135">Title: Archipelagic States</p> <p data-bbox="616 1187 1011 1216"><u>Expected learning outcomes</u></p> <p data-bbox="616 1267 783 1296">The learner:</p> <ol data-bbox="616 1308 1375 1727" style="list-style-type: none">1. understands the difference between:<ol data-bbox="655 1352 1086 1473" style="list-style-type: none">a) coastal archipelagob) non-coastal archipelago, andc) mid-ocean archipelago;2. can identify who may draw archipelagic baselines and is familiar with the rules for drawing them;3. understands the concept of archipelagic waters;4. is aware of the rights enjoyed in archipelagic waters;5. is familiar with the concept of archipelagic sea lanes passage.

Module title	The Law of the Sea
	<p data-bbox="616 376 1002 409">Title: The right of hot pursuit</p> <p data-bbox="616 456 1002 490"><u>Expected learning outcomes</u></p> <p data-bbox="616 537 772 571">The learner:</p> <ol data-bbox="616 580 1370 1066" style="list-style-type: none">1. understands the concepts of hot pursuit and constructive presence;2. is familiar with the circumstances that give rise to the right of hot pursuit;3. knows the conditions for the commencement and conclusion of hot pursuit;4. is aware that the right of hot pursuit may be exercised by ships and aircraft;5. understands that there must be compensation when a ship has been stopped outside the territorial sea in circumstances which do not justify the exercise of the right of hot pursuit.
	<p data-bbox="616 1249 1026 1283">Title: Marine scientific research</p> <p data-bbox="616 1330 1002 1364"><u>Expected learning outcomes</u></p> <p data-bbox="616 1411 772 1444">The learner:</p> <ol data-bbox="616 1453 1370 1910" style="list-style-type: none">1. understands the concept of marine scientific research;2. is familiar with the consent regime to undertake marine scientific research under:<ol data-bbox="651 1581 1370 1742" style="list-style-type: none">a) the 1958 Geneva Conventions;b) the 1982 United Nations Convention on the Law of the Sea (UNCLOS); andc) customary international law;3. knows the general principles governing marine scientific research;4. understands the legal status of marine scientific research installations and equipment.

Module title	The Law of the Sea
	<p>Title: Landlocked and geographically disadvantaged States</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. understands the concept of landlocked States under international law; 2. is familiar with the rights of navigation of landlocked States under international law; 3. is familiar with the right of transit of landlocked States under international law; 4. understands the rights and limitations of access to the living resources of neighbouring States for landlocked and geographically disadvantaged States; 5. is familiar with the right of participation in marine scientific research conducted in the neighbouring States, including limitations thereof.
	<p>Title: Settlement of international fisheries disputes</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. understands the nature of international fisheries disputes; 2. is aware of the obligation of States to settle international disputes peacefully; 3. knows the various means and fora available for the settlement of international fisheries disputes under international law; 4. understands the mechanisms for the settlement of disputes under UNCLOS; 5. has an overall understanding of the jurisdiction, powers, procedures and limitations of the International Tribunal for the Law of the Sea in relation to the settlement of international fisheries disputes, and is familiar with methods to enforce the decisions of the Tribunal.

Module title	Overview of the Law of the Sea I
Module code	LOS - 102
Description of module	<p>This module may serve as an introduction to courses on fisheries matters, as it provides participants with a general understanding of the nature and fundamental principles of the Law of the Sea, highlighting its importance in all matters regarding the sustainable use of marine resources.</p> <p>The module encompasses a review of the international regimes regulating the rights and duties of States in the different maritime zones, namely: the territorial sea and the intricacies of innocent passage; contiguous zones; exclusive economic zone / exclusive fishing zone; the continental shelf, including its relationship with the legal status of the superjacent waters; and the high seas, with an emphasis on its legal status and freedom of fishing. Another area of importance covered in this module is that relating to archipelagic States, particularly their legal status and fishing rights.</p>
Lectures	<p>Title: Overview of the Law of the Sea: introduction</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. has a general understanding of what the Law of the Sea is and recognizes its importance in all matters regarding the sustainable use of marine resources; 2. understands the fundamental principles of the Law of the Sea.

Module title	Overview of the Law of the Sea I
	<p data-bbox="624 371 1166 405">Title: Territorial sea and contiguous zone</p> <p data-bbox="624 454 1011 488"><u>Expected learning outcomes</u></p> <p data-bbox="624 535 783 568">The learner:</p> <ol data-bbox="624 577 1375 987" style="list-style-type: none"><li data-bbox="624 577 1375 689">1. understands the concept and legal status of the territorial sea, its bed, subsoil and air space superjacent thereto;<li data-bbox="624 698 1375 777">2. is aware of the rights and duties of the coastal State in its territorial sea;<li data-bbox="624 786 1375 864">3. has an overall understanding of the right of innocent passage;<li data-bbox="624 873 1375 907">4. understands the concept of the contiguous zone;<li data-bbox="624 916 1375 987">5. knows the rights of the coastal State in the contiguous zone. <p data-bbox="624 1066 1362 1099">Title: Exclusive economic zone / exclusive fishing zone</p> <p data-bbox="624 1149 1011 1182"><u>Expected learning outcomes</u></p> <p data-bbox="624 1229 783 1263">The learner:</p> <ol data-bbox="624 1272 1375 1592" style="list-style-type: none"><li data-bbox="624 1272 1375 1384">1. understands the developments leading to the establishment of an exclusive economic zone / exclusive fishing zone;<li data-bbox="624 1393 1375 1471">2. understands the legal status of the exclusive economic zone / exclusive fishing zone;<li data-bbox="624 1480 1375 1592">3. is familiar with the rights and obligations of coastal and other States in the exclusive economic zone / exclusive fishing zone.

Module title	Overview of the Law of the Sea I
	<p>Title: Continental shelf</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none">1. understands the legal status of the continental shelf;2. knows the criteria to define the extension of the continental shelf;3. can determine the rights enjoyed on the continental shelf;4. is familiar with the relationship of the continental shelf to the legal status of the waters superjacent thereto.
	<p>Title: High seas I: legal status and freedom of fishing</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none">1. understands the legal status of the high seas;2. is familiar with the freedom of fishing in the high seas and the regulation thereof.
	<p>Title: Archipelagic States: legal status and fisheries' rights</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none">1. understands the difference between:<ol style="list-style-type: none">a) coastal archipelago;b) non-coastal archipelago; andc) mid-ocean archipelago;2. can identify who may draw archipelagic baselines and is familiar with the rules for drawing them;3. understands the concept of archipelagic waters;4. is aware of the rights enjoyed in archipelagic waters, particularly with regard to traditional fishing rights.

Module title	Overview of the Law of the Sea II
Module code	LOS - 103
Description of module	<p>This module has been designed as a “top up” for the Overview of the Law of the Sea I module. It aims to provide participants with a more detailed knowledge of certain jurisdictional and enforcement aspects of the Law of the Sea. Whereas in the first module participants would have familiarized themselves with the freedoms of the high seas, in this module participants will focus on issues relating to jurisdiction and enforcement on the high seas. This will be followed by a related study of the right of hot pursuit. Participants will also study the rights of navigation, particularly of fishing vessels, through international straits and archipelagic waters. Finally, participants will become acquainted with jurisdictional and enforcement matters in relation to the use and deployment of marine scientific research installations and equipment.</p>
Lectures	<p>Title: High seas II: jurisdictional aspects</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. recalls the legal status and freedoms of the high seas; 2. recognizes the exclusive jurisdiction of the flag State on the high seas; 3. can identify the exceptions to the exclusive jurisdiction of the flag State on the high seas.

Module title	Overview of the Law of the Sea II
	<p data-bbox="616 371 1364 443">Title: Straits and archipelagic States: navigational aspects</p> <p data-bbox="616 495 1002 521"><u>Expected learning outcomes</u></p> <p data-bbox="616 573 775 600">The learner:</p> <ol data-bbox="616 618 1364 981" style="list-style-type: none">1. is familiar with the right of innocent passage through archipelagic waters;2. has an overall understanding of the concept of transit passage and archipelagic sea lanes passage;3. can identify the duties of ships and aircraft during transit passage and archipelagic sea lanes passage;4. is familiar with the rights and duties of States bordering straits and of archipelagic States in relation to archipelagic sea lanes.
	<p data-bbox="616 1070 1169 1097">Title: The right of hot pursuit: an overview</p> <p data-bbox="616 1149 1002 1176"><u>Expected learning outcomes</u></p> <p data-bbox="616 1227 775 1254">The learner:</p> <ol data-bbox="616 1272 1364 1756" style="list-style-type: none">1. understands the concepts of hot pursuit and constructive presence;2. is familiar with the circumstances that give rise to the right of hot pursuit;3. knows the conditions for the commencement and conclusion of a hot pursuit;4. is aware that the right of hot pursuit may be exercised by ships and aircraft;5. understands that there must be compensation when a ship has been stopped outside the territorial sea in circumstances which do not justify the exercise of the right of hot pursuit.

Module title	Overview of the Law of the Sea II
	<p data-bbox="624 371 1342 405">Title: Marine scientific research: jurisdictional aspects</p> <p data-bbox="624 454 1011 488"><u>Expected learning outcomes</u></p> <p data-bbox="624 535 783 568">The learner:</p> <ol data-bbox="624 577 1375 981" style="list-style-type: none"><li data-bbox="624 577 1375 651">1. understands the concept of marine scientific research;<li data-bbox="624 660 1375 775">2. has an overall understanding of the consent regime to undertake marine scientific research in the different maritime zones;<li data-bbox="624 784 1375 857">3. knows the general principles governing marine scientific research;<li data-bbox="624 866 1375 981">4. understands the jurisdictional issues concerning the legal status of marine scientific research installations and equipment.

Module title	Fisheries management
Module code	FM - 101
Description of module	<p>This module introduces the concept of sustainable fisheries management and reviews the policy, legal and institutional frameworks for effective management. It describes the different measures and tools that can be used for managing fisheries sustainably and provides an overview of different types of fishing operations.</p> <p>The module then looks at illegal, unreported and unregulated (IUU) fishing as a major threat to the sustainability of fisheries and outlines the instruments and tools available to curb IUU fishing, including the role of regional fisheries management organizations (RFMOs).</p>
Lectures	<p>Title: Introduction to managing fisheries sustainably</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. understands the objectives and principles of fisheries management, including the precautionary approach; 2. is familiar with the biological and ecological parameters and social aspects of fisheries management; 3. understands the link between scientific research and advice, data analysis and management decisions; 4. is aware of the concept and main types of conservation and management measures (CMMs) and tools.

Module title	Fisheries management
	<p data-bbox="624 371 1254 405">Title: Policy, legal and institutional frameworks</p> <p data-bbox="624 454 1011 488"><u>Expected learning outcomes</u></p> <p data-bbox="624 535 783 568">The learner:</p> <ol data-bbox="624 577 1375 976" style="list-style-type: none"> 1. understands the need for a clear national policy to ensure fisheries are managed sustainably and is aware of the policymaking process upon which such strategies are built; 2. knows the importance of a comprehensive legal framework and understands the procedures for legislative proposals; 3. is familiar with the institutional framework for fisheries management including the roles and responsibilities of relevant authorities. <hr data-bbox="608 1043 1383 1048"/> <p data-bbox="624 1059 1142 1093">Title: Management measures and tools</p> <p data-bbox="624 1142 1011 1176"><u>Expected learning outcomes</u></p> <p data-bbox="624 1223 783 1256">The learner:</p> <ol data-bbox="624 1265 1375 1664" style="list-style-type: none"> 1. gains an oversight of different management measures and tools – such as input (effort), output (catches-quotas), area-time, technical measures including gear, etc. – and has an understanding of how these can be used; 2. knows how these management measures and tools can fit into a policy and legislative framework; 3. is familiar with the ways of implementing these measures and tools, and the frequent infractions related to them.

Module title	Fisheries management
	<p data-bbox="616 371 935 405">Title: Fishing operations</p> <p data-bbox="616 454 1002 488"><u>Expected learning outcomes</u></p> <p data-bbox="616 533 775 566">The learner:</p> <ol data-bbox="616 577 1366 898" style="list-style-type: none"><li data-bbox="616 577 1366 730">1. gains an overview of different fishing operations, including vessel types and gears, as well as the environments in which each type of vessel can operate, etc.;<li data-bbox="616 741 1366 813">2. is familiar with the species or species groups each type of vessel / gear generally targets;<li data-bbox="616 824 1366 898">3. is aware of the main risks of non-compliance for each vessel / gear type.
	<p data-bbox="616 987 1262 1021">Title: Illegal, unreported and unregulated fishing</p> <p data-bbox="616 1070 1002 1104"><u>Expected learning outcomes</u></p> <p data-bbox="616 1149 775 1182">The learner:</p> <ol data-bbox="616 1193 1366 1469" style="list-style-type: none"><li data-bbox="616 1193 1366 1265">1. understands the definition of IUU fishing and how to identify IUU activities;<li data-bbox="616 1276 1366 1348">2. understands the negative impact of IUU fishing on the sustainability of fisheries;<li data-bbox="616 1359 1366 1469">3. understands the socio-economic impact of IUU fishing on coastal communities especially in developing States.

Module title	Fisheries management
	<p data-bbox="624 371 1366 517">Title: Preventing, deterring and eliminating IUU fishing through the 2009 FAO Port State Measures Agreement (PSMA) and complementary international instruments and tools</p> <p data-bbox="624 568 1011 600"><u>Expected learning outcomes</u></p> <p data-bbox="624 651 783 683">The learner:</p> <ol data-bbox="624 696 1375 1128" style="list-style-type: none"> 1. understands the importance of implementing port State measures to prevent, deter and eliminate IUU fishing activities; 2. understands how data derived from fisheries management can feed into risk assessments for the implementation of international obligations to curb IUU fishing; 3. understands the need for effective management to implement these instruments and meet the international obligation to protect biodiversity in the marine environment. <hr data-bbox="617 1285 1383 1290"/> <p data-bbox="624 1301 1121 1332">Title: Regional fisheries management</p> <p data-bbox="624 1384 1011 1415"><u>Expected learning outcomes</u></p> <p data-bbox="624 1467 783 1498">The learner:</p> <ol data-bbox="624 1512 1375 1783" style="list-style-type: none"> 1. gains an overview of the role of RFMOs in fisheries management; 2. understands that RFMOs establish CMMs to manage the fisheries resources under their purview sustainably; 3. learns where to access information regarding CMMs (websites, etc).

Module title	Fisheries management
	<p data-bbox="616 376 1219 409">Title: Field excursion - fisheries management</p> <p data-bbox="616 456 1002 490"><u>Expected learning outcomes</u></p> <p data-bbox="616 537 772 571">The learner:</p> <ol data-bbox="616 580 1369 943" style="list-style-type: none"><li data-bbox="616 580 1369 651">1. receives verbal instructions in preparation for the field excursion “fisheries management in practice”;<li data-bbox="616 663 1369 734">2. understands the practicalities of fisheries management;<li data-bbox="616 745 1369 817">3. is familiar with the daily operations and activities that support fisheries management;<li data-bbox="616 828 1369 943">4. understands the key elements to ensuring that the management cycle safeguards the sustainability of fisheries.

Module title		Overview of fisheries management
Module code	FM - 102	
Description of module	<p>This module introduces the concept of sustainable fisheries management. It then reviews the policy, legal and institutional frameworks for effective management. The module also looks at illegal, unreported and unregulated (IUU) fishing as a major threat to the sustainability of fisheries and presents the instruments and tools available to curb IUU fishing.</p>	
Lectures	<p>Title: Introduction to managing fisheries sustainably</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. understands the objectives and principles of fisheries management, including the precautionary approach; 2. is familiar with the biological and ecological parameters and social aspects of fisheries management; 3. understands the link between scientific research and advice, data analysis and management decisions; 4. is aware of the concept and main types of conservation and management measures (CMMs) and tools. 	

Module title	Overview of fisheries management
	<p data-bbox="616 376 1246 405">Title: Policy, legal and institutional frameworks</p> <p data-bbox="616 456 1003 486"><u>Expected learning outcomes</u></p> <p data-bbox="616 537 775 566">The learner:</p> <ol data-bbox="616 580 1369 976" style="list-style-type: none">1. understands the need for a clear national policy to ensure fisheries are managed sustainably and is aware of the policy making process upon which such strategies are built;2. knows the importance of a comprehensive legal framework and understands the procedures for legislative proposals;3. is familiar with the institutional framework for fisheries management, including the roles and responsibilities of relevant authorities.
	<p data-bbox="616 1084 1262 1113">Title: Illegal, unreported and unregulated fishing</p> <p data-bbox="616 1164 1003 1193"><u>Expected learning outcomes</u></p> <p data-bbox="616 1245 775 1274">The learner:</p> <ol data-bbox="616 1288 1369 1563" style="list-style-type: none">1. understands the definition of IUU fishing and identification of IUU activities;2. understands the negative impact of IUU fishing on the sustainability of fisheries;3. understands the socio-economic impact of IUU fishing on coastal communities, especially in developing States.

Module title	Overview of fisheries management
	<p data-bbox="624 376 1359 488">Title: Preventing, deterring and eliminating IUU fishing through the PSMA and complementary international instruments and tools</p> <p data-bbox="624 535 1011 566"><u>Expected learning outcomes</u></p> <p data-bbox="624 613 783 645">The learner:</p> <ol data-bbox="624 660 1375 1093" style="list-style-type: none"><li data-bbox="624 660 1375 772">1. understands the importance of implementing port State measures to prevent, deter and eliminate IUU fishing activities;<li data-bbox="624 784 1375 936">2. understands how data derived from fisheries management can feed into risk assessments for the implementation of international obligations to curb IUU fishing;<li data-bbox="624 947 1375 1093">3. understands the need for effective management to implement these instruments and meet the international obligation to protect biodiversity in the marine environment.

Module title	Fisheries law
Module code	FL - 101
Description of module	<p>This module introduces participants to the legal framework adopted by the United Nations (UN) and its specialized agencies such as the Food and Agriculture Organization of the United Nations (FAO), the International Maritime Organization (IMO), and the International Labour Organization (ILO), highlighting the relevance of these legal principles in all matters regarding the sustainable use of living resources. It particularly focuses on the performance of the rights and responsibilities of coastal, flag and port States in the conservation and management of resources, as well as on the prevention, deterrence and elimination of illegal, unreported and unregulated (IUU) fishing and fishing related activities, and internationally agreed market-related measures. The module thus explains the rights of the coastal State in areas under its national jurisdiction and the responsibilities of all States in the conservation and management of living resources.</p> <p>After analysing the provisions of the 1982 United Nations Convention on the Law of the Sea (UNCLOS), the module describes how other legally binding instruments, including those adopted by UN specialized agencies, complement the provisions of UNCLOS and expand upon them, highlighting cooperation as key to the implementation and enforcement of such provisions. This module further explores the role of regional fishery bodies (RFBs) in the adoption of conservation and management measures (CMMs) and promoting compliance with them. Moreover, voluntary instruments which provide guidance to coastal, flag and port States in the implementation of the legally binding instruments are presented and assessed together with internationally agreed, market-related measures derived from such voluntary instruments. The module also introduces the current governance structure for the conservation and sustainable use of marine biodiversity in areas beyond national jurisdiction, while also considering the importance of fisheries policy and institutional frameworks and the main components of primary fisheries legislation.</p>

Module title	Fisheries law
Lectures	<p>The module aims to provide participants with a solid foundation on the rights and responsibilities of coastal, flag and port States, as well as the internationally agreed market-related measures in relation to fisheries. It outlines the vital role each of these plays in the fight against IUU fishing, and the fishing related activities in support of such fishing.</p> <hr/> <p>Title: Introduction to international Law of the Sea - fisheries</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. understands the international legal framework on the exploration and exploitation of living resources by coastal and other States; 2. understands the freedom of fishing on the high seas and the regulation thereof; 3. is introduced to the role of regional fisheries management organizations (RFMOs) in the conservation and management of living resources; 4. is familiar with CMMs adopted under international law.

Module title	Fisheries law
	<p data-bbox="616 376 1262 407">Title: Relevant treaties and soft law instruments</p> <p data-bbox="616 456 1005 488"><u>Expected learning outcomes</u></p> <p data-bbox="616 537 775 568">The learner:</p> <ol data-bbox="616 577 1375 1760" style="list-style-type: none"><li data-bbox="616 577 1375 654">1. gains an overview of the international legally binding instruments relating to fisheries;<li data-bbox="616 663 1375 1106">2. understands aspects of fisheries covered, <i>inter alia</i>, by:<ol data-bbox="654 748 1375 1106" style="list-style-type: none"><li data-bbox="654 748 1375 824">a) the United Nations Fish Stocks Agreement (UNFSA);<li data-bbox="654 833 1375 981">b) the Agreement to Promote Compliance with International Conservation and Management Measures by Fishing Vessels on the High Seas (the Compliance Agreement);<li data-bbox="654 990 1375 1106">c) the Agreement on Port State Measures to Prevent, Deter and Eliminate Illegal, Unreported and Unregulated Fishing (PSMA);<li data-bbox="616 1120 1375 1227">3. understands the role of FAO with regard to international, legally binding instruments relating to fisheries;<li data-bbox="616 1236 1375 1433">4. understands the relevance of other international legally binding instruments, including the Convention on Biological Diversity (CBD) and the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES);<li data-bbox="616 1442 1375 1675">5. is familiar with non-legally binding instruments, notably the Code of Conduct for Responsible Fisheries and the variety of instruments developed under the Code, which address different aspects of the conservation, management and exploitation of marine living resources;<li data-bbox="616 1684 1375 1760">6. understands the relevance of these instruments in addressing IUU fishing.

Module title	Fisheries law
	<p data-bbox="616 376 1375 450">Title: Coastal State, flag State, and port State rights and responsibilities and market-related measures</p> <p data-bbox="616 495 1011 528"><u>Expected learning outcomes</u></p> <p data-bbox="616 573 783 607">The learner:</p> <ol data-bbox="616 618 1375 1021" style="list-style-type: none"> 1. understands the rights and responsibilities of States in their various capacities; 2. understands the internationally agreed, market-related measures; 3. understands how to use the relevant resource materials to assess how far fisheries related international instruments have been incorporated into national policy and legal frameworks, and how to promote their effective implementation at the national level.
	<p data-bbox="616 1104 1211 1137">Title: Introduction to regional fishery bodies</p> <p data-bbox="616 1182 1011 1216"><u>Expected learning outcomes</u></p> <p data-bbox="616 1261 783 1294">The learner:</p> <ol data-bbox="616 1305 1375 1630" style="list-style-type: none"> 1. understands the duty of States to cooperate in the establishment of RFBs, including RFMOs; 2. understands the role of RFBs in the conservation and management of fish stocks, including combatting IUU fishing; 3. understands the duty of States to cooperate in the establishment of CMMs, and promote their effective implementation at the national level.

Module title	Fisheries law
	<p data-bbox="616 376 1005 405">Title: Safety of fishing vessels</p> <p data-bbox="616 456 1005 486"><u>Expected learning outcomes</u></p> <p data-bbox="616 537 775 566">The learner:</p> <ol data-bbox="616 577 1370 1021" style="list-style-type: none"><li data-bbox="616 577 1370 651">1. understands that commercial fishing is a dangerous activity, with high casualty rates;<li data-bbox="616 663 1370 736">2. understands the importance of safety standards for fishing vessels;<li data-bbox="616 748 1370 898">3. understands the main principles of safety, as well as the obligations of States in accordance with international instruments, especially the 2012 Cape Town Agreement;<li data-bbox="616 909 1370 1021">4. understands the importance of the implementation of safety standards to address IUU fishing and fishing related activities.
	<p data-bbox="616 1093 884 1122">Title: Work in fishing</p> <p data-bbox="616 1173 1005 1202"><u>Expected learning outcomes</u></p> <p data-bbox="616 1254 775 1283">The learner:</p> <ol data-bbox="616 1294 1370 1697" style="list-style-type: none"><li data-bbox="616 1294 1370 1368">1. understands that nearly 40 million people work in capture fisheries;<li data-bbox="616 1379 1370 1491">2. understands the importance of the implementation of basic standards of decent work in the fishing industry;<li data-bbox="616 1503 1370 1576">3. understands the main principles of the ILO Work in Fishing Convention, 2007;<li data-bbox="616 1588 1370 1697">4. understands the importance of the implementation of basic standards of decent work to address IUU fishing and fishing related activities.

Module title	Fisheries law
	<p data-bbox="619 376 1375 450">Title: Marine biological diversity in areas beyond national jurisdiction (ABNJ)</p> <p data-bbox="619 499 1011 528"><u>Expected learning outcomes</u></p> <p data-bbox="619 577 783 607">The learner:</p> <ol data-bbox="619 622 1375 1384" style="list-style-type: none"><li data-bbox="619 622 1375 891">1. understands that the current governance structure for the conservation and sustainable use of marine biodiversity in areas beyond national jurisdiction (ABNJ) is not robust enough to respond to threats such as overfishing, IUU fishing, damage to seabed habitats, or the exploitation of mineral resources in ABNJ;<li data-bbox="619 907 1375 1093">2. understands that the current legal and institutional frameworks are fragmented due to the specialization and geographical scope of the international organizations and RFBs, which have a mandate to manage activities in ABNJ;<li data-bbox="619 1108 1375 1220">3. understands the need for a new international, legally binding instrument to conserve biodiversity in ABNJ, based on the cross-sectoral cooperation;<li data-bbox="619 1236 1375 1384">4. understands the main principles of sustainable use and conservation of biodiversity in ABNJ, particularly in relation to the new mechanisms of declaration, authorization and reporting of activities to authorities.

Module title	Fisheries law
	<p data-bbox="616 376 1158 405">Title: Introduction to fisheries legislation</p> <p data-bbox="616 456 1003 486"><u>Expected learning outcomes</u></p> <p data-bbox="616 537 775 566">The learner:</p> <ol data-bbox="616 580 1370 1290" style="list-style-type: none"><li data-bbox="616 580 1370 689">1. understands the importance of fisheries policy and institutional frameworks in connection with fisheries legislation;<li data-bbox="616 703 1370 813">2. understands the connection between fisheries management, including monitoring, control and surveillance (MCS), and fisheries law;<li data-bbox="616 826 1370 1290">3. has an overview of the usual components of fisheries legislation:<ol data-bbox="655 913 1370 1290" style="list-style-type: none"><li data-bbox="655 913 991 943">a) scope and definitions;<li data-bbox="655 956 1034 985">b) principles and objectives;<li data-bbox="655 999 1059 1028">c) institutional arrangements;<li data-bbox="655 1041 1370 1115">d) fisheries management, including management planning and authorizations;<li data-bbox="655 1128 1011 1158">e) conservation measures;<li data-bbox="655 1171 762 1200">f) MCS;<li data-bbox="655 1214 1370 1243">g) enforcement procedures and sanctions schemes;<li data-bbox="655 1256 1054 1285">h) regulation-making powers.

Module title	Overview of fisheries law
Module code	FL - 102
Description of module	<p>This module provides the participants with an overview of the legal framework adopted by the United Nations (UN) and its specialized agencies such as the Food and Agriculture Organization of the United Nations (FAO), highlighting the relevance of these legal principles in all matters regarding the sustainable use of living resources.</p> <p>It focuses particularly on the performance of the rights and responsibilities of coastal, flag and port States in the conservation and management of resources, as well as on the prevention, deterrence and elimination of illegal, unreported and unregulated (IUU) fishing and fishing related activities, and internationally agreed market-related measures. The obligations of States in conserving and managing living resources are discussed so that participants can appreciate the legal principles empowering them as they carry out their duties.</p> <p>The module reviews the role of regional fishery bodies (RFBs) in ensuring compliance with conservation and management measures (CMMs), while also considering the relevance of the voluntary instruments that provide guidance to coastal, flag and port States for the implementation of legally binding instruments and market-related measures. The module also provides a general introduction to fisheries legislation.</p>

Module title	Overview of fisheries law
Lectures	<p data-bbox="612 376 1366 443">Title: An overview of international Law of the Sea - fisheries</p> <p data-bbox="612 495 1002 524"><u>Expected learning outcomes</u></p> <p data-bbox="612 575 772 604">The learner:</p> <ol data-bbox="612 620 1366 813" style="list-style-type: none"><li data-bbox="612 620 1366 725">1. understands the international legal framework on the exploration and exploitation of living resources by coastal and other States;<li data-bbox="612 741 1366 813">2. understands the freedom of fishing on the high seas and the regulation thereof.
	<p data-bbox="612 913 1366 981">Title: Overview of the relevant treaties and soft law instruments</p> <p data-bbox="612 1032 1002 1061"><u>Expected learning outcomes</u></p> <p data-bbox="612 1113 772 1142">The learner:</p> <ol data-bbox="612 1158 1366 1630" style="list-style-type: none"><li data-bbox="612 1158 1366 1263">1. gains an overview of the international legally binding instruments relating to fisheries and other relevant international, legally binding instruments;<li data-bbox="612 1279 1366 1507">2. is familiar with non-legally binding instruments, notably the Code of Conduct for Responsible Fisheries and the variety of instruments developed under the Code, which address different aspects of the conservation, management and exploitation of marine living resources;<li data-bbox="612 1523 1366 1630">3. has a general understanding of the relevance of these instruments in addressing IUU fishing and fishing related activities.

Module title	Overview of fisheries law
	<p data-bbox="616 371 1375 483">Title: An overview of coastal State, flag State, and port State rights and responsibilities and market-related measures</p> <p data-bbox="616 533 1007 562"><u>Expected learning outcomes</u></p> <p data-bbox="616 611 778 640">The learner:</p> <ol data-bbox="616 656 1375 808" style="list-style-type: none"><li data-bbox="616 656 1375 730">1. understands the rights and responsibilities of States in the various capacities;<li data-bbox="616 741 1375 808">2. understands the internationally agreed market-related measures.
	<p data-bbox="616 1037 1321 1066">Title: General introduction to regional fishery bodies</p> <p data-bbox="616 1115 1007 1144"><u>Expected learning outcomes</u></p> <p data-bbox="616 1193 778 1223">The learner:</p> <ol data-bbox="616 1238 1375 1473" style="list-style-type: none"><li data-bbox="616 1238 1375 1391">1. is familiar with the role of RFBs and regional fisheries management organizations (RFMOs) in the conservation and management of fish stocks, including combatting IUU fishing;<li data-bbox="616 1402 1375 1473">2. is aware of the duty of States to cooperate in the establishment of CMMs.

Module title	Overview of fisheries law
	<p data-bbox="608 371 1342 443">Title: An overview of safety of fishing vessels and work in fishing</p> <p data-bbox="608 495 999 521"><u>Expected learning outcomes</u></p> <p data-bbox="608 573 767 600">The learner:</p> <ol data-bbox="608 618 1374 1010" style="list-style-type: none"><li data-bbox="608 618 1374 763">1. understands the main principles of safety as well as the obligations of States in accordance with international instruments, especially the Cape Town Agreement, 2012;<li data-bbox="608 779 1374 853">2. understands the main principles of the ILO Work in Fishing Convention, 2007;<li data-bbox="608 869 1374 1010">3. understands the importance of the implementation of basic standards of decent work and safety of fishing vessels to address IUU fishing and fishing related activities.
	<p data-bbox="608 1218 1262 1245">Title: General introduction to fisheries legislation</p> <p data-bbox="608 1296 999 1323"><u>Expected learning outcomes</u></p> <p data-bbox="608 1375 767 1402">The learner:</p> <ol data-bbox="608 1420 1374 1783" style="list-style-type: none"><li data-bbox="608 1420 1374 1536">1. is aware of the importance of fisheries policy and the institutional frameworks connected to fisheries legislation;<li data-bbox="608 1552 1374 1693">2. is aware of the connection between fisheries management and fisheries law, notably with reference to monitoring, control and surveillance (MCS);<li data-bbox="608 1709 1374 1783">3. has an overview of the usual components of fisheries legislation.

Module title	Introduction to fisheries law
Module code	FL - 103
Description of module	<p>This module provides participants with an introduction to the legal framework adopted by the United Nations (UN) and its specialized agencies (e.g. the Food and Agriculture Organization of the United Nations [FAO]), highlighting the relevance of these legal principles in all matters relating to the sustainable use of the living resources. The latter is particularly relevant with regard to the performance of coastal, flag and port States responsibilities in the conservation and management of the resources and the elimination of illegal, unreported and unregulated (IUU) fishing, as well as market-related measures.</p> <p>The module also introduces regional fishery bodies (RFBs) and touches on their role in ensuring compliance with conservation and management measures (CMMs). It also reviews the use of voluntary instruments in fisheries, which provide guidance to coastal, flag, and port States, as well as market-related measures when implementing the binding legal instruments they have adopted.</p>

Module title	Introduction to fisheries law
Lectures	<p data-bbox="616 376 1370 443">Title: An overview of relevant treaties and soft law instruments</p> <p data-bbox="616 495 1005 524"><u>Expected learning outcomes</u></p> <p data-bbox="616 575 775 604">The learner:</p> <ol data-bbox="616 618 1370 1133" style="list-style-type: none"><li data-bbox="616 618 1370 768">1. has an overview of the international legally binding instruments relating to fisheries, as well as other relevant, international and legally binding instruments;<li data-bbox="616 781 1370 1010">2. is aware of non-legally binding instruments, notably the Code of Conduct for Responsible Fisheries, and the variety of instruments developed under the Code, which address different aspects of the conservation, management and exploitation of marine living resources;<li data-bbox="616 1023 1370 1133">3. has a general understanding of the relevance of these instruments in addressing IUU fishing and fishing related activities.
	<p data-bbox="616 1216 1329 1323">Title: An overview of the coastal State, flag State, and port State rights and responsibilities and market-related measures</p> <p data-bbox="616 1375 1002 1404"><u>Expected learning outcomes</u></p> <p data-bbox="616 1456 775 1485">The learner:</p> <ol data-bbox="616 1498 1370 1816" style="list-style-type: none"><li data-bbox="616 1498 1370 1648">1. has an overview of the international legally binding instruments relating to fisheries, as well as other relevant, international and legally binding instruments;<li data-bbox="616 1662 1370 1729">2. understands the rights and responsibilities of States in the various capacities;<li data-bbox="616 1742 1370 1816">3. understands the internationally agreed market-related measures.

Module title	Introduction to fisheries law
	<p data-bbox="624 376 1326 405">Title: General introduction to regional fishery bodies</p> <p data-bbox="624 456 1011 486"><u>Expected learning outcomes</u></p> <p data-bbox="624 537 783 566">The learner:</p> <ol data-bbox="624 580 1375 813" style="list-style-type: none"><li data-bbox="624 580 1375 730">1. is familiar with the role of RFBs and regional fisheries management organizations (RFMOs) in the conservation and management of fish stocks, including in the fight against IUU fishing;<li data-bbox="624 741 1375 813">2. is aware of the duty of States to cooperate in the establishment of CMMs. <p data-bbox="624 898 1273 927">Title: General introduction to fisheries legislation</p> <p data-bbox="624 978 1011 1008"><u>Expected learning outcomes</u></p> <p data-bbox="624 1059 783 1088">The learner:</p> <ol data-bbox="624 1102 1375 1417" style="list-style-type: none"><li data-bbox="624 1102 1375 1211">1. is aware of the importance of fisheries policy and institutional frameworks in connection with fisheries legislation;<li data-bbox="624 1223 1375 1332">2. is aware of the connection between fisheries management and fisheries law, notably with reference to monitoring, control and surveillance (MCS);<li data-bbox="624 1344 1375 1417">3. has an overview of the usual components of fisheries legislation.

Module title	Fisheries monitoring, control and surveillance (MCS) I - information
Module code	MCS - 101
Description of module	<p>This module introduces the key concepts and principles of fisheries monitoring, control and surveillance (MCS). It aims to improve understanding of the different types and sources of MCS information, as well as its uses and management, in order to build capacity to design, plan and implement more efficient and effective MCS.</p> <p>This module guides participants through the process to set up an integrated MCS information system, optimizing the use of information from different sources to monitor operational elements and strengthen capacity at the national and regional levels to prevent, deter and eliminate illegal, unreported and unregulated (IUU) fishing.</p> <p>It also describes how different types and sources of information for MCS operations can be employed to contribute to the effectiveness of the fisheries management system in place.</p> <p>Finally, the module provides a description of information management tools that support the monitoring of fishing activities, as well as the analysis of information to optimize decision-making, facilitate data access and improve information sharing.</p> <p>This module relates to the other MCS modules “Programmes and Schemes” and “Technology”. Taken together, these modules constitute valuable courses on MCS and its role in fisheries management.</p>

Module title	Fisheries monitoring, control and surveillance (MCS) I – information
Lectures	<p data-bbox="616 376 970 409">Title: Introduction to MCS</p> <p data-bbox="616 456 1011 490"><u>Expected learning outcomes</u></p> <p data-bbox="616 537 783 571">The learner:</p> <ol data-bbox="616 580 1385 1227" style="list-style-type: none"> <li data-bbox="616 580 1385 734">1. understands the international responsibilities of a port, flag, and coastal State, as well as market-related measures to carry out effective and efficient MCS of fishing and fishing related activities; <li data-bbox="616 743 1385 815">2. understands what MCS is, its objectives and functions; <li data-bbox="616 824 1385 978">3. acquires a greater, comprehensive knowledge about MCS elements and their interconnection, using a risk-based approach and considering possible constraints and resource limitations; <li data-bbox="616 987 1385 1104">4. recognizes the need and importance of setting up / improving national and regional MCS, integrating it within a national legal and policy framework; <li data-bbox="616 1113 1385 1227">5. is aware of the value of setting up strong MCS systems and the repercussions of not having an MCS system in place. <p data-bbox="616 1319 1214 1352">Title: Introduction to MCS information types</p> <p data-bbox="616 1400 1011 1433"><u>Expected learning outcomes</u></p> <p data-bbox="616 1480 783 1514">The learner:</p> <ol data-bbox="616 1523 1385 1765" style="list-style-type: none"> <li data-bbox="616 1523 1385 1594">1. gains a clear understanding of the uses and need for information for effective MCS; <li data-bbox="616 1603 1385 1675">2. develops a thorough overview of the different types of information; <li data-bbox="616 1684 1385 1765">3. understands the differences between fisheries dependent and fisheries independent information.

Module title	Fisheries monitoring, control and surveillance (MCS) I – information
	<p data-bbox="616 376 1331 450">Title: Types: fisheries dependent information (derived from operators)</p> <p data-bbox="616 499 1002 528"><u>Expected learning outcomes</u></p> <p data-bbox="616 577 775 607">The learner:</p> <ol data-bbox="616 622 1369 860" style="list-style-type: none">1. understands what is meant by fisheries dependent information;2. can identify where fisheries dependent information can be found (e.g. operators and fishing activities);3. can assess the advantages and limitations of this type of information.
	<p data-bbox="616 1021 1369 1095">Title: Types: fisheries independent information (derived from official sources)</p> <p data-bbox="616 1144 1002 1173"><u>Expected learning outcomes</u></p> <p data-bbox="616 1223 775 1252">The learner:</p> <ol data-bbox="616 1267 1369 1621" style="list-style-type: none">1. understands what is meant by fisheries independent information;2. can identify where fisheries independent information can be found (e.g. management and MCS activities at the national, regional and international level, including regional fisheries management organizations [RFMOs]);3. can assess the advantages and limitations of this type of information.

Module title	Fisheries monitoring, control and surveillance (MCS) I – information
	<p data-bbox="616 376 1246 405">Title: Introduction to MCS information sources</p> <p data-bbox="616 456 1011 486"><u>Expected learning outcomes</u></p> <p data-bbox="616 537 783 566">The learner:</p> <ol data-bbox="616 577 1375 902" style="list-style-type: none"><li data-bbox="616 577 1375 651">1. is aware of all the different sources of MCS information (from operators, official sources and intelligence);<li data-bbox="616 663 1375 775">2. understands how to identify and extract such information, including how to format and structure MCS detection and investigations;<li data-bbox="616 786 1375 860">3. can differentiate between reliable and unreliable information;<li data-bbox="616 871 1375 902">4. can weigh up information for MCS decisions.
	<p data-bbox="616 1081 1182 1111">Title: Sources: information from operators</p> <p data-bbox="616 1162 1011 1191"><u>Expected learning outcomes</u></p> <p data-bbox="616 1243 783 1272">The learner:</p> <ol data-bbox="616 1283 1375 1641" style="list-style-type: none"><li data-bbox="616 1283 1375 1485">1. has a thorough understanding of all the types of information that can be derived from operators (logbooks, transshipment declarations, landing declarations, sales notes, transport documentation, etc.);<li data-bbox="616 1496 1375 1641">2. is familiar with the necessary forms and formats to ensure consistent and robust information collection, including by developing national forms and adopting RFMO templates.

Module title	Fisheries monitoring, control and surveillance (MCS) I – information
	<p data-bbox="616 376 1265 405">Title: Sources: information from official activities</p> <p data-bbox="616 456 1002 486"><u>Expected learning outcomes</u></p> <p data-bbox="616 537 772 566">The learner:</p> <ol data-bbox="616 580 1369 1093" style="list-style-type: none"><li data-bbox="616 580 1369 931">1. has a thorough understanding of all types of information that can be collected via official or officially mandated activities, including: entry / exit declarations, observer and inspector reports, surveillance activities, electronic monitoring (vessel monitoring system [VMS], Automatic Identification System [AIS], remote electronic monitoring systems, emergency response service etc.), participatory surveillance, traceability schemes, etc.;<li data-bbox="616 943 1369 1093">2. is familiar with the necessary forms and formats to ensure consistent and robust information collection, including by developing national forms and adopting RFMO templates.
	<p data-bbox="616 1160 959 1189">Title: Sources: intelligence</p> <p data-bbox="616 1240 1002 1270"><u>Expected learning outcomes</u></p> <p data-bbox="616 1321 772 1350">The learner:</p> <ol data-bbox="616 1364 1369 1682" style="list-style-type: none"><li data-bbox="616 1364 1369 1473">1. has a thorough understanding of all types of information that can be derived from intelligence, which is often from ancillary or third-party sources;<li data-bbox="616 1485 1369 1594">2. is aware that information derived from irregular sources needs to be verified and checked, and knows what procedures to follow for such checks;<li data-bbox="616 1606 1369 1682">3. can develop a framework for recording this type of information.

Module title	Fisheries monitoring, control and surveillance (MCS) I – information
	<p data-bbox="624 376 759 405">Title: Uses</p> <p data-bbox="624 456 1011 486"><u>Expected learning outcomes</u></p> <p data-bbox="624 537 783 566">The learner:</p> <ol data-bbox="624 577 1375 1473" style="list-style-type: none">1. knows what is needed to plan and assess information needs for MCS activities;2. recognizes the need for different types of information to carry out effective risk assessments;3. understands the need to set up a monitoring system based on the routine collection of specific types of information;4. has an overview of the methods adopted to carry out MCS evaluations using different sources of information, including cross-checks and verifications;5. is familiar with the procedures to carry out the necessary statistical analysis to inform MCS activities, including risk assessments;6. understands the need for information to carry out mandatory reporting, and the need for easy access to this information;7. understands that systems should be set up to ensure the information collated feeds into the management cycle;8. understands which types of information can be used for the detection and investigation of fisheries infractions.

Module title	Fisheries monitoring, control and surveillance (MCS) I - information
	<p data-bbox="616 376 868 405">Title: Management</p> <p data-bbox="616 456 1002 486"><u>Expected learning outcomes</u></p> <p data-bbox="616 537 775 566">The learner:</p> <ol data-bbox="616 577 1369 1099" style="list-style-type: none"><li data-bbox="616 577 1369 651">1. understands the importance of effective information management;<li data-bbox="616 663 1369 815">2. recognizes the need for information collection and storage systems, which ensure that information is readily available to all practitioners as appropriate (such as databases);<li data-bbox="616 826 1369 900">3. has a knowledge of the methods and tools used to analyse information for MCS needs;<li data-bbox="616 911 1369 1099">4. is familiar with database forms and queries, so as to enable the sharing of information, and effective and regular reporting – notably to meet international, regional and bilateral needs in line with international standards.

Module title	
Fisheries monitoring, control and surveillance (MCS) II – programmes / schemes	
Module code	MCS - 102
Description of module	<p>This module introduces participants to the key concepts and principles of fisheries monitoring, control and surveillance (MCS). It aims to improve their understanding of the different MCS programmes and schemes available in order to build their capacities to design, plan and implement more efficient and effective MCS. Some of these might refer to observer programmes, inspection schemes, or other specific programmes.</p> <p>By studying how to set up an integrated MCS policy, optimize the use of available resources and apply operational elements such as programmes and schemes, this module contributes to the strengthening of capacity at national and regional levels in order to prevent, deter and eliminate illegal, unreported and unregulated (IUU) fishing.</p> <p>The module also includes a description of different MCS operations (including sea, shore and aerial operations), describing their aims, main challenges, benefits and key considerations to contribute to the effectiveness of the fisheries management system in place.</p> <p>Finally, the module describes the importance of having a government authority with enough legislative power and capacity to implement MCS.</p> <p>This module relates to the other MCS modules “Information” and “Technology”. Taken together, these modules constitute valuable courses on MCS and its role in fisheries management.</p>

Module title	Fisheries monitoring, control and surveillance (MCS) II - programmes / schemes
Lectures	<p data-bbox="616 367 959 398">Title: Introduction to MCS</p> <p data-bbox="616 450 1002 481"><u>Expected learning outcomes</u></p> <p data-bbox="616 533 775 564">The learner:</p> <ol data-bbox="616 573 1370 1218" style="list-style-type: none"> 1. understands the international responsibilities of a port, flag, and coastal State, as well as market-related measures to carry out effective and efficient MCS of fishing and fishing related activities; 2. understands what MCS is, its objectives and functions; 3. acquires a greater, comprehensive knowledge of MCS elements and their interconnection, using a risk-based approach and considering possible constraints and resource limitations; 4. recognizes the need and importance of setting up / improving national and regional MCS, integrating it within a national legal and policy framework; 5. is aware of the value of setting up strong MCS systems and the repercussions of not having an MCS system in place. <hr data-bbox="600 1294 1380 1303"/> <p data-bbox="616 1308 1331 1339">Title: Introduction to MCS programmes, schemes, etc.</p> <p data-bbox="616 1391 1002 1422"><u>Expected learning outcomes</u></p> <p data-bbox="616 1473 775 1505">The learner:</p> <ol data-bbox="616 1514 1370 1912" style="list-style-type: none"> 1. understands the meaning of programmes and schemes in the framework of MCS; 2. can identify national / regional needs in the context of programmes and schemes; 3. is aware of the importance of having programmes and schemes in place to achieve effective MCS implementation; 4. is aware of the connections between different programmes and schemes within the framework of MCS.

Module title	Fisheries monitoring, control and surveillance (MCS) II – programmes / schemes
	<p>Title: Inspection programmes and schemes</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. understands the various programmes, their functions and objectives within the MCS system; 2. understands the various types of schemes, their functions and objectives within the MCS system; 3. understands the connections between different programmes and schemes within the framework of MCS (inspection, observers, operations, others); 4. can lead on processes to design / set up / improve programmes and schemes within the framework of MCS (inspection, observers, operations, others).
	<p>Title: Observer programmes</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. understands the aims of observer programmes, including on-board and field observers; 2. can design observer programmes, including: <ol style="list-style-type: none"> a) observer profiles; b) programme objectives and functions; c) information needs; d) data collection and analysis; e) implementation strategy; f) reporting; g) training needs / strategy; h) observer safety and security.

Module title	Fisheries monitoring, control and surveillance (MCS) II – programmes / schemes
	<p data-bbox="616 376 975 409">Title: Specific programmes</p> <p data-bbox="616 456 1002 490"><u>Expected learning outcomes</u></p> <p data-bbox="616 537 775 571">The learner:</p> <ol data-bbox="616 577 1369 1245" style="list-style-type: none"><li data-bbox="616 577 1369 734">1. can identify needs and solutions linked to programmes such as control plans, inspection plans, traceability plans and others, in accordance with the national / regional framework;<li data-bbox="616 741 1369 1122">2. can understand the aims of different programmes and essential elements, such as:<ol data-bbox="655 824 1369 1122" style="list-style-type: none"><li data-bbox="655 824 831 857">a) objectives;<li data-bbox="655 864 919 898">b) legal framework;<li data-bbox="655 904 823 938">c) functions;<li data-bbox="655 945 1070 978">d) responsibilities – authorities;<li data-bbox="655 985 1350 1019">e) standard operating procedures (SOP) – schemes;<li data-bbox="655 1025 823 1059">f) reporting;<li data-bbox="655 1066 1031 1099">g) evaluation and feedback;<li data-bbox="616 1128 1369 1245">3. can lead on or participate in the process to design / set up / improve control plans, inspection plans, traceability plans and others.
	<p data-bbox="616 1339 1369 1406">Title: Structuring of MCS policy and operational elements</p> <p data-bbox="616 1453 1002 1487"><u>Expected learning outcomes</u></p> <p data-bbox="616 1534 775 1568">The learner:</p> <ol data-bbox="616 1574 1369 1984" style="list-style-type: none"><li data-bbox="616 1574 1369 1731">1. can design national and regional policy, considering the relevant legal, administrative, operational and financial frameworks to ensure a correct foundation for MCS;<li data-bbox="616 1738 1369 1816">2. can identify the needs in order to set up an MCS policy;<li data-bbox="616 1823 1369 1984">3. is aware of the existing operational elements (aims, benefits, linkages, etc.) and is able to select the most appropriate ones for an effective and efficient implementation of the MCS policy.

Module title	Fisheries monitoring, control and surveillance (MCS) II – programmes / schemes
	<p data-bbox="616 376 1278 409">Title: Planning of MCS operations (sea, shore, air)</p> <p data-bbox="616 456 1011 490"><u>Expected learning outcomes</u></p> <p data-bbox="616 537 783 571">The learner:</p> <ol data-bbox="616 580 1378 981" style="list-style-type: none">1. can identify operational needs for MCS, based on their national / regional fisheries, available resources and options;2. can assess the financial, human and technological needs to achieve effective and efficient MCS operations;3. knows the different MCS options covering sea, shore and air operations;4. can identify and plan concerted actions with other authorities (customs, police, navy, coastguard, etc.). <hr data-bbox="616 1086 1378 1088"/> <p data-bbox="616 1099 1378 1133">Title: Implementation of MCS operations (sea, shore, air)</p> <p data-bbox="616 1180 1011 1214"><u>Expected learning outcomes</u></p> <p data-bbox="616 1261 783 1294">The learner:</p> <ol data-bbox="616 1303 1378 1541" style="list-style-type: none">1. understands the different kinds of MCS covering sea, shore and air operations;2. is fully aware of the key elements of MCS operations;3. can identify, coordinate and establish operational linkages with other authorities (customs, police, navy, coastguard, etc.).

Module title	Fisheries monitoring, control and surveillance (MCS) II – programmes / schemes
	<p data-bbox="616 376 1066 409">Title: Sea inspections - operations</p> <p data-bbox="616 456 1002 490"><u>Expected learning outcomes</u></p> <p data-bbox="616 537 772 571">The learner:</p> <ol data-bbox="616 580 1375 1323" style="list-style-type: none"><li data-bbox="616 580 1375 651">1. understands the purpose of carrying out at-sea inspections;<li data-bbox="616 663 1375 734">2. is aware of the different operations at sea in terms of fishing activities and fishing related activities;<li data-bbox="616 745 1375 1122">3. understands how to prepare and conduct an inspection at sea, with a particular focus on what needs to be inspected:<ol data-bbox="655 871 1375 1122" style="list-style-type: none"><li data-bbox="655 871 995 904">a) vessel documentation;<li data-bbox="655 916 983 949">b) crew documentation;<li data-bbox="655 960 1375 994">c) fishing or fishing related activity documentation;<li data-bbox="655 1005 874 1039">d) fishing gears;<li data-bbox="655 1050 916 1084">e) holds and decks;<li data-bbox="655 1095 874 1128">f) fish products;<li data-bbox="616 1133 1375 1323">4. is fully aware of the importance of reporting the inspection findings and to communicate the results to the different authorities concerned (States and regional fisheries management organizations [RFMOs], as appropriate).

Module title	Fisheries monitoring, control and surveillance (MCS) II – programmes / schemes
	<p data-bbox="624 376 1106 405">Title: Shore inspections - operations</p> <p data-bbox="624 456 1011 486"><u>Expected learning outcomes</u></p> <p data-bbox="624 537 783 566">The learner:</p> <ol data-bbox="624 580 1375 1507" style="list-style-type: none"><li data-bbox="624 580 1375 651">1. understands the purpose of carrying out shore inspections;<li data-bbox="624 665 1375 1346" style="margin-left: 20px;">2. is aware of the different shore operations related to fishing activities, fishing related activities or processes in the fishing value chain:<ol data-bbox="663 786 1375 1346" style="list-style-type: none"><li data-bbox="663 786 1375 981">a) understands how to prepare and conduct shore inspections, with a particular focus on what needs to be inspected in port: documentation of legal origin, fishing or fishing related activity documentation, landings, etc;<li data-bbox="663 994 1375 1189">b) checkpoints and transport: origin and destination, documentation of legal origin, fishing or fishing related activity documentation, catch documentation schemes, fish products (quantity, composition, etc.);<li data-bbox="663 1202 1375 1346">c) in plants and installations: storage, documentation of legal origin, fishing or fishing related activity documentation, catch documentation schemes, fish products (quantity, composition, etc.);<li data-bbox="624 1359 1375 1507">3. is aware of the importance of reporting the inspection findings and to communicate the results to the different authorities concerned (States and RFMOs, as appropriate).

Module title	Fisheries monitoring, control and surveillance (MCS) II - programmes / schemes
	<p>Title: Aerial operations</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. understands the advantages and limitations related to aerial operations for fisheries surveillance; 2. is aware of all existing means for aerial surveillance and their characteristics; 3. is aware of the information which can be collected by aerial operations; 4. knows how to use and report the information from aerial operations and to cross-check this with other MCS information.
	<p>Title: Powers and authority: fisheries inspectors, observers, other officers</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. can identify the MCS responsibilities of different officers; 2. is aware of the ethical dimension of their responsibilities; 3. understands the structure, legislation and responsibility of using the power of authority; 4. can identify linkages and shared responsibilities with other fisheries officers and other authorities; 5. has the capacity to articulate and / or set up linkages with other authorities, with the aim of carrying out more efficient and effective MCS.

Fisheries monitoring, control and surveillance (MCS) III – technology	
Module title	Fisheries monitoring, control and surveillance (MCS) III – technology
Module code	MCS - 103
Description of module	This module offers an advanced course on the subject of monitoring, control and surveillance (MCS) technology. Participants in this module acquire a good working knowledge of: the technological aspects of MCS; the role of the fisheries monitoring centre (FMC) and the different tools available within it; the utility of data and information; types of seagoing, aerial and terrestrial assets; and the utility of emerging technologies.
Lectures	<p>Title: Introduction to MCS</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. understands the international responsibilities as a port, flag, and coastal State, as well as market-related measures to carry out effective and efficient MCS of fishing and fishing related activities; 2. is aware of what MCS is, its objectives and functions; 3. obtains an increased and comprehensive knowledge about MCS elements and their interconnection, using a risk-based approach and considering resource constraints and limitations; 4. recognizes the need and importance to set up / improve the national and regional MCS integrated within the national legal and policy framework; 5. knows the implication of setting up strong MCS systems and the repercussions of not having an MCS system in place.

Module title	Fisheries monitoring, control and surveillance (MCS) III – technology
	<p data-bbox="616 376 1118 409">Title: Introduction to MCS technology</p> <p data-bbox="616 456 1002 490"><u>Expected learning outcomes</u></p> <p data-bbox="616 537 772 571">The learner:</p> <ol data-bbox="616 580 1366 981" style="list-style-type: none">1. understands the role of technology in the broad scheme of fisheries MCS and enforcement;2. can differentiate between different technological tools and identify interconnectivity, using a risk-based approach;3. is aware of the importance of integrating, using and applying technology as part of effective MCS within the wider legal and policy framework;4. is aware of the skills needed and associated challenges.
	<p data-bbox="616 1120 1139 1153">Title: Fisheries monitoring centre (FMC)</p> <p data-bbox="616 1200 1002 1234"><u>Expected learning outcomes</u></p> <p data-bbox="616 1281 772 1314">The learner:</p> <ol data-bbox="616 1323 1366 1769" style="list-style-type: none">1. appreciates the key role and scope of a national FMC as part of MCS;2. has a comprehensive understanding of the process and implications of setting up or upgrading a national FMC, including in terms of its financial, technical, legal and human resource needs;3. has an operational understanding of the day-to-day running of an FMC as a functional unit;4. has a clear understanding of the links between the FMC, other national competent authorities and wider national / regional MCS and enforcement.

Module title	Fisheries monitoring, control and surveillance (MCS) III – technology
	<p data-bbox="624 376 1265 409">Title: Vessel tracking and imagery tools in FMCs</p> <p data-bbox="624 456 1011 490"><u>Expected learning outcomes</u></p> <p data-bbox="624 537 783 571">The learner:</p> <ol data-bbox="624 580 1375 981" style="list-style-type: none"> 1. is aware of the range of tracking and imagery tools available for use within an FMC; 2. is fully aware of the importance of a vessel monitoring system (VMS) within a national framework and its potential in operational arrangements at the regional level; 3. can identify the utility and appreciate the limitations of the information and data yielded by the various tools (VMS, radar, Automatic Identification System [AIS], other satellite tools). <hr data-bbox="609 1070 1383 1075"/> <p data-bbox="624 1081 1375 1115">Title: Data integration, analysis and strategic application</p> <p data-bbox="624 1162 1011 1196"><u>Expected learning outcomes</u></p> <p data-bbox="624 1243 783 1276">The learner:</p> <ol data-bbox="624 1285 1375 1731" style="list-style-type: none"> 1. can assimilate, collate, organize and classify information and data; 2. can interpret and analyse data and information to reveal patterns and trends in both spatial and temporal terms; 3. can integrate FMC-derived data and information with other sources, both nationally and regionally; 4. can prepare data and information for submission as evidence; 5. can routinely report the results of analyses, along with any implications and associated recommendations.

Module title	Fisheries monitoring, control and surveillance (MCS) III – technology
	<p data-bbox="616 376 1315 409">Title: Remote electronic monitoring systems (REMs)</p> <p data-bbox="616 456 1002 490"><u>Expected learning outcomes</u></p> <p data-bbox="616 537 772 571">The learner:</p> <ol data-bbox="616 580 1369 819" style="list-style-type: none">1. has a clear understanding of REM and the kinds of tools and systems available;2. is aware of the utility and analysis of outputs, their strengths and weaknesses;3. understands the role of REM as part of wider national MCS systems. <hr/> <p data-bbox="616 909 1086 943">Title: Use of emerging technologies</p> <p data-bbox="616 990 1002 1023"><u>Expected learning outcomes</u></p> <p data-bbox="616 1070 772 1104">The learner:</p> <ol data-bbox="616 1113 1369 1263" style="list-style-type: none">1. is aware of the types, application and utility of emerging technologies in MCS as these are applied to large- and small-scale fisheries, as well as in post-harvest processes and procedures in the value chain. <hr/> <p data-bbox="616 1368 1046 1402">Title: Introduction to MCS assets</p> <p data-bbox="616 1449 1002 1482"><u>Expected learning outcomes</u></p> <p data-bbox="616 1529 772 1563">The learner:</p> <ol data-bbox="616 1572 1369 2007" style="list-style-type: none">1. has a good working knowledge of the types of assets deployed in MCS operations at sea, in the air and on shore, and the specific technical terminology associated with these;2. is aware of the importance of these assets in terms of their contribution to effective and efficient MCS systems;3. is aware of the cost, maintenance and operational implications of assets and cost-reduction strategies through national and regional synergies, joint operations and shared assets.

Module title	Fisheries monitoring, control and surveillance (MCS) III – technology
	<p data-bbox="616 376 1070 409">Title: Surface MCS assets (vessels)</p> <p data-bbox="616 456 1011 490"><u>Expected learning outcomes</u></p> <p data-bbox="616 537 783 571">The learner:</p> <ol data-bbox="616 580 1375 981" style="list-style-type: none"><li data-bbox="616 580 1375 689">1. has a good working knowledge of different types of seagoing assets from the perspective of patrol needs (inshore, offshore, on the high seas);<li data-bbox="616 698 1375 853">2. appreciates the operational needs of different scenarios, and can take the advantages and disadvantages associated with each vessel type into account;<li data-bbox="616 862 1375 981">3. in addition to vessel type, has a good working knowledge of vessel configurations and on-board equipment.
	<p data-bbox="616 1099 1023 1133">Title: Aerial surveillance assets</p> <p data-bbox="616 1180 1011 1214"><u>Expected learning outcomes</u></p> <p data-bbox="616 1261 783 1294">The learner:</p> <ol data-bbox="616 1303 1375 1704" style="list-style-type: none"><li data-bbox="616 1303 1375 1413">1. has a good working knowledge of different types of aerial assets from the perspective of patrol needs (range and autonomy);<li data-bbox="616 1422 1375 1576">2. appreciates the operational needs of different scenarios, and can take the advantages and disadvantages associated with each vessel type into account;<li data-bbox="616 1585 1375 1704">3. in addition to asset type, has a good working knowledge of configurations and on-board equipment.

Module title	Fisheries monitoring, control and surveillance (MCS) III – technology
	<p data-bbox="614 376 911 405">Title: Terrestrial assets</p> <p data-bbox="614 459 1002 488"><u>Expected learning outcomes</u></p> <p data-bbox="614 542 772 571">The learner:</p> <ol data-bbox="614 582 1366 981" style="list-style-type: none"><li data-bbox="614 582 1366 689">1. has a good working knowledge of different types of terrestrial vehicles and other assets from the perspective of patrol needs;<li data-bbox="614 701 1366 853">2. appreciates the operational needs of different scenarios, and can take the advantages and disadvantages associated with each vessel type into account;<li data-bbox="614 864 1366 981">3. in addition to asset type, has a good working knowledge of vehicle configurations and associated equipment. <p data-bbox="614 1066 1366 1137">Title: Field excursion (fisheries monitoring centre and coast guard operations centre)</p> <p data-bbox="614 1191 1002 1220"><u>Expected learning outcomes</u></p> <p data-bbox="614 1274 772 1303">The learner:</p> <ol data-bbox="614 1314 1366 1467" style="list-style-type: none"><li data-bbox="614 1314 1366 1386">1. appreciates the practical realities of day-to-day MCS operations;<li data-bbox="614 1397 1366 1467">2. can contextualize the knowledge assimilated in other training sessions.

Module title	Overview of fisheries monitoring, control and surveillance (MCS) I – information
Module code	MCS - 104
Description of module	<p>This module introduces participants to the overarching concepts and principles of fisheries monitoring, control and surveillance (MCS) and improves their understanding of the different types, sources, uses and management of MCS information available, in order to enhance their understanding of the design, planning and implementation of efficient and effective MCS.</p> <p>The module includes an overview of the types, sources, uses and management of information for MCS operations to address key considerations that will contribute to the effectiveness of the fisheries management system in place.</p> <p>Finally, the module provides a description of information management tools that support the monitoring of fishing activities, as well as the analysis of information to optimize decision-making for easy access to data and improved information sharing.</p> <p>This module relates to the other MCS modules “Programmes and schemes” and “Technology”. Taken together, these modules constitute valuable courses on MCS and its role in fisheries management.</p>

Module title	Overview of fisheries monitoring, control and surveillance (MCS) I – information
Lectures	<p data-bbox="616 371 959 405">Title: Introduction to MCS</p> <p data-bbox="616 454 1002 488"><u>Expected learning outcomes</u></p> <p data-bbox="616 535 772 568">The learner:</p> <ol data-bbox="616 577 1370 1182" style="list-style-type: none">1. understands the international responsibilities as a port, flag, and coastal State, as well as market related measures to carry out effective and efficient MCS of fishing and fishing related activities;2. is aware of what MCS is, its objectives and functions;3. obtains an increased and comprehensive knowledge about MCS elements and their interconnection, using a risk-based approach and considering resource constraints and limitations;4. recognizes the need and importance to set up / improve the national and regional MCS integrated within the national legal and policy framework;5. knows the implication of setting up strong MCS systems and the repercussions of not having an MCS system in place. <p data-bbox="616 1352 1203 1386">Title: Introduction to MCS information types</p> <p data-bbox="616 1435 1002 1469"><u>Expected learning outcomes</u></p> <p data-bbox="616 1516 772 1550">The learner:</p> <ol data-bbox="616 1559 1370 1798" style="list-style-type: none">1. gains a clear understanding of the uses and need for information for effective MCS;2. develops a thorough overview of the different types of information;3. understands the differences between fisheries dependent and fisheries independent information.

Module title	Overview of fisheries monitoring, control and surveillance (MCS) I – information
	<p data-bbox="616 376 1378 450">Title: Types: fisheries dependent information (derived from operators)</p> <p data-bbox="616 495 1011 528"><u>Expected learning outcomes</u></p> <p data-bbox="616 573 783 607">The learner:</p> <ol data-bbox="616 618 1378 864" style="list-style-type: none">1. understands what is meant by fisheries dependent information;2. can identify where fisheries dependent information can be found (e.g. operators and fishing activities);3. can assess the advantages and limitations of this type of information.
	<p data-bbox="616 1189 1378 1263">Title: Types: fisheries independent information (derived from official sources)</p> <p data-bbox="616 1308 1011 1341"><u>Expected learning outcomes</u></p> <p data-bbox="616 1386 783 1420">The learner:</p> <ol data-bbox="616 1431 1378 1800" style="list-style-type: none">1. understands what is meant by fisheries independent information;2. can identify where fisheries independent information can be found (e.g. management and MCS activities at the national, regional and international level, including regional fisheries management organizations [RFMOs]);3. can assess the advantages and limitations of this type of information.

Module title	Overview of fisheries monitoring, control and surveillance (MCS) I – information
	<p data-bbox="616 376 1238 405">Title: Introduction to MCS information sources</p> <p data-bbox="616 456 1002 486"><u>Expected learning outcomes</u></p> <p data-bbox="616 537 775 566">The learner:</p> <ol data-bbox="616 577 1366 902" style="list-style-type: none"> 1. is aware of all the different sources of MCS information (from operators, official sources and intelligence); 2. understands how to identify and extract such information, including how to format and structure MCS detection and investigations; 3. can differentiate between reliable and unreliable information; 4. can weigh up information for MCS decisions.
	<p data-bbox="616 954 743 983">Title: Uses</p> <p data-bbox="616 1034 1002 1064"><u>Expected learning outcomes</u></p> <p data-bbox="616 1115 775 1144">The learner:</p> <ol data-bbox="616 1155 1366 2051" style="list-style-type: none"> 1. knows what is needed to plan and assess information needs for MCS activities; 2. recognizes the need for different types of information to carry out effective risk assessments; 3. understands the need to set up a monitoring system based on the routine collection of specific types of information; 4. has an overview of the methods adopted to carry out MCS evaluations using different sources of information, including cross-checks and verifications; 5. is familiar with the procedures to carry out the necessary statistical analysis to inform MCS activities, including risk assessments; 6. understands the need for information to carry out mandatory reporting, and the need for easy access to this information; 7. understands that systems should be set up to ensure the information collated feeds into the management cycle; 8. understands which types of information can be used for the detection and investigation of fisheries infractions.

Module title	Overview of fisheries monitoring, control and surveillance (MCS) I - information
	<p data-bbox="616 367 871 400">Title: Management</p> <p data-bbox="616 450 1007 483"><u>Expected learning outcomes</u></p> <p data-bbox="616 533 778 566">The learner:</p> <ol data-bbox="616 573 1383 1093" style="list-style-type: none"><li data-bbox="616 573 1383 645">1. understands the importance of effective information management;<li data-bbox="616 656 1383 808">2. recognizes the need for information collection and storage systems, which ensure that information is readily available to all practitioners as appropriate (such as databases);<li data-bbox="616 819 1383 891">3. has a knowledge of the methods and tools used to analyse information for MCS needs;<li data-bbox="616 902 1383 1093">4. is familiar with database forms and queries, so as to enable the sharing of information, and effective and regular reporting – notably to meet international, regional and bilateral needs in line with international standards.

Module title	
Overview of fisheries monitoring, control and surveillance (MCS) II – programmes / schemes	
Module code	MCS - 105
Description of module	<p>This module introduces participants to the key concepts and principles of fisheries monitoring, control and surveillance (MCS) and improves their understanding of the different MCS programmes and schemes available.</p> <p>It includes an introduction on how to set up an integrated MCS policy, optimize the use of available resources and apply operational elements. The module describes the importance of having a government authority with enough legislative power and capacity to implement MCS.</p> <p>The module relates to the other MCS modules “Information” and “Technology”. Taken together, these modules constitute valuable courses on MCS and its role in fisheries management.</p>
Lectures	<p>Title: Introduction to MCS</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. understands the international responsibilities as a port, flag, and coastal State, as well as market-related measures to carry out effective and efficient MCS of fishing and fishing related activities; 2. is aware of what MCS is, its objectives and functions; 3. obtains an increased and comprehensive knowledge about MCS elements and their interconnection, using a risk-based approach and considering resource constraints and limitations;

Module title	Overview of fisheries monitoring, control and surveillance (MCS) II – programmes / schemes
	<p>4. recognizes the need and importance to set up / improve the national and regional MCS integrated within the national legal and policy framework;</p> <p>5. knows the implication of setting up strong MCS systems and the repercussions of not having an MCS system in place.</p>
	<p>Title: Introduction to MCS programmes, schemes, etc.</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. understands the meaning of programmes and schemes in the framework of MCS; 2. can identify national / regional needs in the context of programmes and schemes; 3. is aware of the importance of having programmes and schemes in place to achieve effective MCS implementation; 4. is aware of the connections between different programmes and schemes within the framework of MCS.
	<p>Title: Structuring of MCS policy and operational elements</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. can design national and regional policy, considering the relevant legal, administrative, operational and financial frameworks to ensure a correct foundation for MCS; 2. can identify the needs in order to set up an MCS policy; 3. is aware of the existing operational elements (aims, benefits, linkages, etc.) and able to select the most appropriate ones for an effective and efficient implementation of the MCS policy.

Module title	Overview of fisheries monitoring, control and surveillance (MCS) II – programmes / schemes
	<p data-bbox="611 371 1265 405">Title: Planning of MCS operations (sea, shore, air)</p> <p data-bbox="611 454 999 488"><u>Expected learning outcomes</u></p> <p data-bbox="611 535 770 568">The learner:</p> <ol data-bbox="611 577 1374 981" style="list-style-type: none">1. can identify operational needs for MCS, based on their national / regional fisheries, available resources and options;2. can assess the financial, human and technological needs to achieve effective and efficient MCS operations;3. knows the different MCS options covering sea, shore and air operations;4. can identify and plan concerted actions with other authorities (customs, police, navy, coastguard, etc.).
	<p data-bbox="611 1144 1366 1178">Title: Implementation of MCS operations (sea, shore, air)</p> <p data-bbox="611 1227 999 1261"><u>Expected learning outcomes</u></p> <p data-bbox="611 1308 770 1341">The learner:</p> <ol data-bbox="611 1350 1374 1585" style="list-style-type: none">1. understands the different kinds of MCS covering sea, shore and air operations;2. is fully aware of the key elements of MCS operations;3. can identify, coordinate and establish operational linkages with other authorities (customs, police, navy, coastguard, etc.).

Module title	Overview of fisheries monitoring, control and surveillance (MCS) II – programmes / schemes
	<p data-bbox="616 371 1378 443">Title: Powers and authority: fisheries inspectors, observers, other officers</p> <p data-bbox="616 495 1007 521"><u>Expected learning outcomes</u></p> <p data-bbox="616 573 778 600">The learner:</p> <ol data-bbox="616 618 1378 1061" style="list-style-type: none">1. can identify the MCS responsibilities of different officers;2. is aware of the ethical dimension of their responsibilities;3. understands the structure, legislation and responsibility of using the power of authority;4. can identify linkages and shared responsibilities with other fisheries officers and other authorities;5. has the capacity to articulate and / or set up linkages with other authorities, with the aim of carrying out more efficient and effective MCS.

Module title	Overview of fisheries monitoring, control and surveillance (MCS) III – technology
Module code	MCS - 106
Description of module	<p>This module constitutes an intermediate module on monitoring, control and surveillance (MCS) technology. Participants acquire knowledge of the technological aspects of MCS, the role of the fisheries monitoring centre (FMC), the utility of data, information and different kinds of assets.</p>
Lectures	<p>Title: Introduction to MCS</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. understands the international responsibilities as a port, flag, and coastal State as well as market-related measures to carry out effective and efficient MCS of fishing and fishing related activities; 2. is aware of what MCS is, its objectives and functions; 3. obtains an increased and comprehensive knowledge about MCS elements and their interconnection, using a risk-based approach and considering resource constraints and limitations; 4. recognizes the need and importance to set up / improve the national and regional MCS integrated within the national legal and policy framework; 5. knows the implication of setting up strong MCS systems and the repercussions of not having an MCS system in place.

Module title	Overview of fisheries monitoring, control and surveillance (MCS) III - technology
	<p data-bbox="616 371 1123 405">Title: Introduction to MCS technology</p> <p data-bbox="616 450 1007 483"><u>Expected learning outcomes</u></p> <p data-bbox="616 528 778 562">The learner:</p> <ol data-bbox="616 573 1383 976" style="list-style-type: none"> 1. understands the role of technology in the broad scheme of fisheries MCS and enforcement; 2. can differentiate between different technological tools and identify interconnectivity, using a risk-based approach; 3. is aware of the importance of integrating, using and applying technology as part of effective MCS within the wider legal and policy framework; 4. is aware of the skills needed and associated challenges. <hr data-bbox="616 1025 1383 1030"/> <p data-bbox="616 1043 1150 1077">Title: Fisheries monitoring centre (FMC)</p> <p data-bbox="616 1122 1007 1155"><u>Expected learning outcomes</u></p> <p data-bbox="616 1200 778 1234">The learner:</p> <ol data-bbox="616 1245 1383 1693" style="list-style-type: none"> 1. appreciates the key role and scope of a national FMC as part of MCS; 2. has a comprehensive understanding of the process and implications of setting up or upgrading a national FMC, including in terms of its financial, technical, legal and human resource needs; 3. has an operational understanding of the day-to-day running of an FMC as a functional unit; 4. has a clear understanding of the links between the FMC, other national competent authorities and wider national / regional MCS and enforcement.

Module title	Overview of fisheries monitoring, control and surveillance (MCS) III – technology
	<p>Title: Data integration, analysis and strategic application</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. can assimilate, collate, organize and classify information and data; 2. can interpret and analyse data and information to reveal patterns and trends in both spatial and temporal terms; 3. can integrate FMC-derived data and information with other sources, both nationally and regionally; 4. can prepare data and information for submission as evidence; 5. can routinely report the results of analyses along with any implications and associated recommendations.
	<p>Title: Introduction to MCS assets</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. has a good working knowledge of the types of assets deployed in MCS operations at sea, in the air and on shore, and the specific technical terminology associated with these; 2. is aware of the importance of these assets in terms of their contribution to effective and efficient MCS systems; 3. is aware of the cost, maintenance and operational implications of assets and cost-reduction strategies through national and regional synergies, joint operations and shared assets.

Module title	Overview of fisheries monitoring, control and surveillance (MCS) III - technology
	<p data-bbox="619 371 1337 443">Title: Field excursion (fisheries monitoring centre and coast guard operations centre)</p> <p data-bbox="619 495 1007 521"><u>Expected learning outcomes</u></p> <p data-bbox="619 573 778 600">The learner:</p> <ol data-bbox="619 618 1382 768" style="list-style-type: none"><li data-bbox="619 618 1382 689">1. appreciates the practical realities of day-to-day MCS operations;<li data-bbox="619 701 1382 768">2. can contextualize the knowledge assimilated in other training sessions.

Module title	Introduction to fisheries monitoring, control and surveillance (MCS) I - information
Module code	MCS - 107
Description of module	<p>This module introduces participants to the overarching concepts and principles of fisheries monitoring, control and surveillance (MCS) and improves their understanding of the different types, sources, uses and management of MCS information available, in order to enhance their understanding of the design, planning and implementation of efficient and effective MCS. The module includes an overview of the types, sources, uses and management of information for MCS operations to address key considerations that will contribute to the effectiveness of the fisheries management system in place.</p> <p>This module relates to the other MCS modules “Programmes and schemes” and “Technology”. Taken together, these modules constitute valuable courses on MCS and its role in fisheries management.</p>
Lectures	<p>Title: Introduction to MCS</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. understands the international responsibilities as a port, flag, and coastal State, as well as market-related measures to carry out effective and efficient MCS of fishing and fishing related activities; 2. is aware of what MCS is, its objectives and functions; 3. obtains an increased and comprehensive knowledge about MCS elements and their interconnection, using a risk-based approach and considering resource constraints and limitations; 4. recognizes the need and importance to set up / improve the national and regional MCS integrated within the national legal and policy framework; 5. knows the implication of setting up strong MCS systems and the repercussions of not having an MCS system in place.

Module title	Introduction to fisheries monitoring, control and surveillance (MCS) I – information
	<p data-bbox="619 371 1217 405">Title: Introduction to MCS information types</p> <p data-bbox="619 454 1011 488"><u>Expected learning outcomes</u></p> <p data-bbox="619 535 783 568">The learner:</p> <ol data-bbox="619 577 1383 813" style="list-style-type: none">1. gains a clear understanding of the uses and need for information for effective MCS;2. develops a thorough overview of the different types of information;3. understands the differences between fisheries dependent and fisheries independent information.
	<p data-bbox="619 1032 1246 1066">Title: Introduction to MCS information sources</p> <p data-bbox="619 1115 1011 1149"><u>Expected learning outcomes</u></p> <p data-bbox="619 1196 783 1229">The learner:</p> <ol data-bbox="619 1238 1383 1563" style="list-style-type: none">1. is aware of all the different sources of MCS information (from operators, official sources and intelligence);2. understands how to identify and extract such information, including how to format and structure MCS detection and investigations;3. can differentiate between reliable and unreliable information;4. can weigh up information for MCS decisions.

Module title	Introduction to fisheries monitoring, control and surveillance (MCS) I - information
	<p data-bbox="614 371 746 400">Title: Uses</p> <p data-bbox="614 450 1002 479"><u>Expected learning outcomes</u></p> <p data-bbox="614 528 772 557">The learner:</p> <ol data-bbox="614 573 1374 1469" style="list-style-type: none"><li data-bbox="614 573 1374 645">1. knows what is needed to plan and assess information needs for MCS activities;<li data-bbox="614 658 1374 730">2. recognizes the need for different types of information to carry out effective risk assessments;<li data-bbox="614 743 1374 853">3. understands the need to set up a monitoring system based on the routine collection of specific types of information;<li data-bbox="614 866 1374 976">4. has an overview of the methods adopted to carry out MCS evaluations using different sources of information, including cross-checks and verifications;<li data-bbox="614 990 1374 1099">5. is familiar with the procedures to carry out the necessary statistical analysis to inform MCS activities, including risk assessments;<li data-bbox="614 1113 1374 1223">6. understands the need for information to carry out mandatory reporting, and the need for easy access to this information;<li data-bbox="614 1236 1374 1346">7. understands that systems should be set up to ensure the information collated feeds into the management cycle;<li data-bbox="614 1359 1374 1469">8. understands which types of information can be used for the detection and investigation of fisheries infractions.

Module title	Introduction to fisheries monitoring, control and surveillance (MCS) II – programmes / schemes
Module code	MCS - 108
Description of module	<p>This module introduces participants to the key concepts and principles of fisheries monitoring, control and surveillance (MCS) and improves their understanding of the different MCS programmes and schemes available.</p> <p>It also includes an introduction on how to set up an integrated MCS policy and describes the importance of having a government authority with enough legislative power and capacity to implement MCS.</p> <p>The module relates to the other MCS modules “Information” and “Technology”. Taken together, these modules constitute valuable courses on MCS and its role in fisheries management.</p>
Lectures	<p>Title: Introduction to MCS</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. understands the international responsibilities of a port, flag, and coastal State, and market-related measures to carry out effective and efficient MCS of fishing and fishing related activities; 2. understands what MCS is, its objectives and functions; 3. acquires a greater, comprehensive knowledge of MCS, its different elements and their interconnection, using a risk-based approach and considering possible constraints and resource limitations; 4. recognizes the need and importance of setting up / improving national and regional MCS, integrating it within a national legal and policy framework; 5. is aware of the value of setting up strong MCS systems and the repercussions of not having an MCS system in place.

Module title	Introduction to fisheries monitoring, control and surveillance (MCS) II – programmes / schemes
	<p data-bbox="612 371 1334 405">Title: Introduction to MCS programmes, schemes, etc.</p> <p data-bbox="612 454 999 488"><u>Expected learning outcomes</u></p> <p data-bbox="612 535 772 568">The learner:</p> <ol data-bbox="612 577 1374 976" style="list-style-type: none"><li data-bbox="612 577 1374 645">1. understands the meaning of programmes and schemes in the framework of MCS;<li data-bbox="612 658 1374 725">2. can identify national / regional needs in the context of programmes and schemes;<li data-bbox="612 739 1374 851">3. is aware of the importance of having programmes and schemes in place to achieve effective MCS implementation;<li data-bbox="612 864 1374 976">4. is aware of the connections between different programmes and schemes within the framework of MCS.
	<p data-bbox="612 1167 1374 1200">Title: Structuring of MCS policy and operational elements</p> <p data-bbox="612 1249 999 1283"><u>Expected learning outcomes</u></p> <p data-bbox="612 1330 772 1364">The learner:</p> <ol data-bbox="612 1373 1374 1771" style="list-style-type: none"><li data-bbox="612 1373 1374 1529">1. can design national and regional policy, considering the relevant legal, administrative, operational and financial frameworks to ensure a correct foundation for MCS;<li data-bbox="612 1543 1374 1610">2. can identify the needs in order to set up an MCS policy;<li data-bbox="612 1624 1374 1771">3. is aware of the existing operational elements (aims, benefits, linkages, etc.) and able to select the most appropriate ones for an effective and efficient implementation of the MCS policy.

Module title	Introduction to fisheries monitoring, control and surveillance (MCS) II – programmes / schemes
	<p data-bbox="617 371 1378 443">Title: Powers and authority: fisheries inspectors, observers, other officers</p> <p data-bbox="617 495 1010 521"><u>Expected learning outcomes</u></p> <p data-bbox="617 573 780 600">The learner:</p> <ol data-bbox="617 618 1378 1061" style="list-style-type: none">1. can identify the MCS responsibilities of different officers into the fisheries authorities;2. is aware of the ethical dimension of their responsibilities;3. understands the structure, legislation and responsibility of using the power of authority;4. can identify linkages and shared responsibilities with other fisheries officers and other authorities;5. has the capacity to articulate and / or set up linkages with other authorities, with the aim of carrying out more efficient and effective MCS.

Module title:	Introduction to fisheries monitoring, control and surveillance (MCS) III - technology
Module code	MCS - 109
Description of module	This module constitutes a basic module on monitoring, control and surveillance (MCS) technology. Participants in this module acquire an overview of the use of technologies in the framework of MCS and the utility of different kinds of assets.
Lectures	<p>Title: Introduction to MCS</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. understands the international responsibilities of a port, flag, and coastal State, as well as market-related measures to carry out effective and efficient MCS of fishing and fishing related activities; 2. understands what MCS is, its objectives and functions; 3. acquires a greater, comprehensive knowledge of MCS, its different elements and their interconnection, using a risk-based approach and considering possible constraints and resource limitations; 4. recognizes the need and importance of setting up / improving national and regional MCS, integrating it within a national legal and policy framework; 5. is aware of the value of setting up strong MCS systems and the repercussions of not having an MCS system in place.

Module title	Introduction to fisheries monitoring, control and surveillance (MCS) III – technology
	<p data-bbox="619 353 1123 387">Title: Introduction to MCS technology</p> <p data-bbox="619 434 1007 468"><u>Expected learning outcomes</u></p> <p data-bbox="619 512 778 546">The learner:</p> <ol data-bbox="619 557 1378 958" style="list-style-type: none"> <li data-bbox="619 557 1378 629">1. understands the role of technology in the broad scheme of fisheries MCS and enforcement; <li data-bbox="619 640 1378 757">2. can differentiate between different technological tools and identify interconnectivity, using a risk-based approach; <li data-bbox="619 768 1378 884">3. is aware of the importance of integrating, using and applying technology as part of effective MCS within the wider legal and policy framework; <li data-bbox="619 891 1378 958">4. is aware of the skills needed and associated challenges. <hr/> <p data-bbox="619 972 1070 1005">Title: Introduction to MCS assets</p> <p data-bbox="619 1052 1007 1086"><u>Expected learning outcomes</u></p> <p data-bbox="619 1131 778 1164">The learner:</p> <ol data-bbox="619 1176 1378 1621" style="list-style-type: none"> <li data-bbox="619 1176 1378 1330">1. has a good working knowledge of the types of assets deployed in MCS operations at sea, in the air and on shore, and the specific technical terminology associated with these; <li data-bbox="619 1341 1378 1458">2. is aware of the importance of these assets in terms of their contribution to effective and efficient MCS systems; <li data-bbox="619 1469 1378 1621">3. is aware of the cost, maintenance and operational implications of assets and cost-reduction strategies through national and regional synergies, joint operations and shared assets. <hr/> <p data-bbox="619 1635 1378 1706">Title: Field excursion (fisheries monitoring centre and coast guard operations centre)</p> <p data-bbox="619 1753 1007 1787"><u>Expected learning outcomes</u></p> <p data-bbox="619 1832 778 1865">The learner:</p> <ol data-bbox="619 1877 1378 2040" style="list-style-type: none"> <li data-bbox="619 1877 1378 1948">1. appreciates the practical realities of day-to-day MCS operations; <li data-bbox="619 1960 1378 2040">2. can contextualize the knowledge assimilated in other training sessions.

Module title	Fisheries enforcement (technical aspects)
Module code	ENF - 101
Description of module	<p>This module introduces participants to key elements and responsibilities relating to fisheries enforcement; these include types of non-compliance in fishing and fishing related activities and the entire enforcement process, from detection to taking further action.</p>
Lectures	<p>Title: Introduction to enforcement</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. gains a clear understanding of the concept of enforcement; 2. appreciates the need for a robust legal framework through which applicable laws and regulations may be effectively enforced; 3. understands the key role of enforcement in fisheries management to ensure compliance; 4. can identify the main actors involved in fisheries enforcement actions.
	<p>Title: Types of fisheries non-compliance</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. has a clear understanding of the distinction between an apparent infringement and a confirmed infringement; 2. has a clear understanding of the differences between and implications of infringement and serious infringement; 3. understands the different types of fisheries non-compliance with fisheries management measures, including: <ol style="list-style-type: none"> a) identification of non-compliance; b) classification of non-compliance.

Module title	Fisheries enforcement (technical aspects)
	<p data-bbox="619 371 1222 400">Title: Fisheries associated and related crimes</p> <p data-bbox="619 452 1010 481"><u>Expected learning outcomes</u></p> <p data-bbox="619 533 778 562">The learner:</p> <ol data-bbox="619 573 1375 1093" style="list-style-type: none"> 1. clearly understands the differences between fisheries related crimes and crimes associated with fisheries; 2. is aware of the linkages between fisheries non-compliance, fisheries related crimes and crimes associated with fisheries; 3. understands the importance of a broad law enforcement response to tackle illegal, unreported and unregulated (IUU) fishing, fisheries related crimes, and crimes associated with fisheries; 4. is familiar with the role and efforts of other international organizations with regard to tackling fisheries related crimes and crimes associated with fisheries. <hr data-bbox="608 1198 1383 1200"/> <p data-bbox="619 1216 826 1245">Title: Detection</p> <p data-bbox="619 1296 1010 1326"><u>Expected learning outcomes</u></p> <p data-bbox="619 1377 778 1406">The learner:</p> <ol data-bbox="619 1417 1375 1697" style="list-style-type: none"> 1. can identify fisheries non-compliances through the use of monitoring, control and surveillance (MCS) tools; 2. has a clear understanding of the types of evidence provided by each MCS tool; 3. can analyse information and data to identify non-compliance.

Module title	Fisheries enforcement (technical aspects)
	<p data-bbox="612 367 1136 400">Title: Evidence collection and handling</p> <p data-bbox="612 450 1002 483"><u>Expected learning outcomes</u></p> <p data-bbox="612 533 772 566">The learner:</p> <ol data-bbox="612 573 1369 891" style="list-style-type: none"><li data-bbox="612 573 1369 685">1. is aware of those elements that could be used as evidence, in accordance with national / regional / international legal frameworks;<li data-bbox="612 696 1369 808">2. knows how to collect evidence, assure its continuity and security, and can establish and maintain a chain of custody;<li data-bbox="612 819 1369 891">3. understands how to prepare for administrative proceedings or a court case.
	<p data-bbox="612 1055 1002 1088">Title: Post-inspection actions</p> <p data-bbox="612 1137 1002 1171"><u>Expected learning outcomes</u></p> <p data-bbox="612 1220 772 1254">The learner:</p> <ol data-bbox="612 1261 1369 1489" style="list-style-type: none"><li data-bbox="612 1261 1369 1373">1. is familiar with national or international obligations, and understands the procedures in place to ensure post-inspection actions meet these obligations;<li data-bbox="612 1384 1369 1489">2. fully understands and can implement the different provisional measures available to cease non-compliance and secure a successful outcome.

Module title	Fisheries enforcement (legal aspects)
Module code	ENF - 102
Description of module	<p>The module introduces participants to the intricacies of the legal aspects of fisheries law enforcement.</p> <p>It starts by analysing the importance of pre-trial preparations and introducing participants to case handling and court procedures (trial). It then provides a review of evidence management, explaining the various types of evidence, their relevance and admissibility, the relevant burden of proof (and standards thereof), as well as how various types of evidence may be given in court during fisheries prosecution cases. Participants will also be trained in how to identify and prepare an expert witness.</p> <p>The module then highlights the importance of corroborating evidence and explains which situations (e.g. types of offences, types of evidence, etc.) require corroboration.</p> <p>The discussion then turns to the criminal and administrative processes and sanctions. Here, participants will understand the difference between criminal and administrative processes and become familiar with the different forms of sanctions that may be imposed, depending on the nature of the violation. Participants will also develop an understanding of a possible appeals process.</p> <p>The module then concludes with a moot court exercise. During this exercise, a theoretical scenario will be set, which will allow participants to put the knowledge acquired into practice.</p>

Module title	Fisheries enforcement (legal aspects)
	<p>Title: Pre-trial preparations</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none">1. appreciates the importance of pre-trial preparations;2. understands how to analyse evidence to determine the strengths and weaknesses of a case;3. understands how to prepare a legal opinion or memorandum based on the relevant case file;4. determines the appropriate charges and fora.
	<p>Title: Introduction to case handling and court procedures (trial)</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none">1. is familiar with the relevant rules of procedure of the relevant fora;2. understands the importance of preserving evidence;3. understands how to conduct witness interviews.
	<p>Title: Evidence</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none">1. develops an overview of the various types of evidence used in fisheries prosecutions – including oral evidence (witnesses, experts etc.), documentary evidence (photographs, reports, samples etc.) and other evidence (e.g. fishing nets, catch);2. understands the relevance and admissibility of evidence;3. understands the burden of proof (and the shift thereof) and the appropriate standard of proof employed in fisheries prosecutions;4. receives an outline of how various types of evidence may be given in court during fisheries prosecution cases.

Module title	Fisheries enforcement (legal aspects)
	<p>Title: Expert witnesses</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. can identify an expert witness; 2. knows how to prepare an expert witness.
	<p>Title: Corroboration</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. understands the importance of corroborating evidence; 2. understands which situations (e.g. types of offences, types of evidence, etc.) require corroboration.
	<p>Title: Criminal and administrative processes and sanctions</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. understands the difference between criminal and administrative processes; 2. understands the compounding of offences; 3. understands the nature of the violation and the difference between criminal and administrative sanctions; 4. is aware of the circumstances in which imprisonment or other forms of corporal punishment may not apply; 5. understands the circumstances where a severe sanction can be imposed.

Module title	Fisheries enforcement (legal aspects)
	<p>Title: Appeals procedure</p> <p><u>Expected learning outcome</u></p> <p>The learner:</p> <ol style="list-style-type: none">1. has an appreciation of a possible appeals process.
	<p>Title: Preparation for moot court</p> <p><u>Expected learning outcome</u></p> <p>The learner:</p> <ol style="list-style-type: none">1. receives verbal instructions delivered in preparation for the moot court exercise.
	<p>Title: Moot court</p> <p><u>Expected learning outcome</u></p> <p>The learner:</p> <ol style="list-style-type: none">1. performs a practical exercise based on a theoretical scenario.

Module title		Overview of fisheries enforcement (technical aspects)
Module code	ENF - 103	
Description of module	This module introduces participants to key elements and responsibilities relating to fisheries enforcement, including types of non-compliance in fishing and fishing related activities, together with actions to be performed post-inspection.	
Lectures	<p>Title: Introduction to enforcement</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. gains a clear understanding of the concept of enforcement; 2. appreciates the need for a robust legal framework through which applicable laws and regulations may be effectively enforced; 3. understands the key role of enforcement in fisheries management to ensure compliance; 4. can identify the main actors involved in fisheries enforcement actions. 	
	<p>Title: Types of fisheries non-compliance</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. has a clear understanding of the distinction between an apparent infringement and a confirmed infringement; 2. has a clear understanding of the differences between and implications of infringement and serious infringement; 3. understands the different types of fisheries non-compliance with fisheries management measures, including: <ol style="list-style-type: none"> a) identification of non-compliance; b) classification of non-compliance. 	

Module title	Overview of fisheries enforcement (technical aspects)
	<p>Title: Fisheries associated and related crimes</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. clearly understands the differences between fisheries related crimes and crimes associated with fisheries; 2. is aware of the linkages between fisheries non-compliance, fisheries related crimes and crimes associated with fisheries; 3. understands the importance of a broad law enforcement response to tackle illegal, unreported and unregulated (IUU) fishing, fisheries related crimes and crimes associated with fisheries; 4. is familiar with the role and efforts of other international organizations with regard to tackling fisheries related crimes and crimes associated with fisheries.
	<p>Title: Post-inspection actions</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. is familiar with national or international obligations and understands the procedures in place to ensure post-inspection actions meet these obligations; 2. fully understands and can implement the different provisional measures available to cease non-compliance and secure a successful outcome.

Module title	Overview of fisheries enforcement (legal aspects)
Module code	ENF - 104
Description of module	<p>This module serves as a general introduction to the legal aspects of fisheries law enforcement. It offers a general overview of the subject, introducing participants to the importance of pre-trial preparations and provides an overview of evidence management. The module then introduces participants to the different enforcement processes and sanctions available.</p>
Lectures	<p>Title: Introduction to pre-trial preparations</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. appreciates the importance of pre-trial preparations; 2. understands how to analyse the evidence received and appreciates the importance of drafting a good legal opinion or memorandum in preparation for the case; 3. is aware of the different possible charges and available fora, as well as their relevant rules of procedure; 4. understands the importance of preserving evidence and how to conduct witness interviews.
	<p>Title: Overview of evidence management</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. develops an overview of various types of evidence used in fisheries prosecutions – including oral evidence (witnesses, experts etc.), documentary evidence (photographs, reports, samples etc.) and other evidence (e.g. fishing nets, catch);

Module title	Overview of fisheries enforcement (legal aspects)
	<p>2. understands the relevance and admissibility of evidence;</p> <p>3. is aware of the burden of proof (and the shift thereof) and the appropriate standards of proof employed in fisheries prosecutions;</p> <p>4. receives an outline of how various types of evidence may be given in court during fisheries prosecution cases;</p> <p>5. understands the importance of corroborating evidence;</p> <p>6. understands the importance of identifying and preparing expert witnesses.</p> <hr/> <p>Title: Overview of the available enforcement processes and sanctions</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. understands the difference between criminal and administrative processes; 2. understands the difference between criminal and administrative sanctions and is aware of the different forms of sanctions that may be imposed, depending on the nature of the violation; 3. has an appreciation of a possible appeals process.

Module title	Introduction to fisheries enforcement (technical aspects)
Module code	ENF - 105
Description of module	This module will introduce participants to key elements relating to fisheries enforcement, including types of non-compliance in fishing and fishing related activities.
Lectures	<p>Title: Introduction to enforcement</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. gains a clear understanding of the concept of enforcement; 2. appreciates the need for a robust legal framework through which applicable laws and regulations may be effectively enforced; 3. understands the key role of enforcement in fisheries management to ensure compliance; 4. can identify the main actors involved in fisheries enforcement actions.
	<p>Title: Types of fisheries non-compliance</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. has a clear understanding of the distinction between an apparent infringement and a confirmed infringement; 2. has a clear understanding of the differences between and implications of infringement and serious infringement; 3. understands the different types of fisheries non-compliance with fisheries management measures, including: <ol style="list-style-type: none"> a) identification of non-compliance; b) classification of non-compliance.

Module title	Introduction to fisheries enforcement (technical aspects)
	<p>Title: Fisheries associated and related crimes</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. clearly understands the difference between fisheries related crimes and crimes associated with fisheries; 2. is aware of the linkages between fisheries non-compliance, fisheries related crimes and crimes associated with fisheries; 3. understands the importance of a broad law enforcement response to tackle illegal, unreported and unregulated (IUU) fishing, fisheries related crimes and crimes associated with fisheries; 4. is familiar with the role and efforts of other international organizations with regard to tackling fisheries related crimes and crimes associated with fisheries.
	<p>Title: Detection</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. can identify fisheries non-compliances through the use of monitoring, control and surveillance (MCS) tools; 2. has a clear understanding of the types of evidence provided by each MCS tool; 3. can analyse information and data to identify non-compliance.

Module title	National and international cooperation and coordination
Module code	COOP - 101
Description of module	<p>This module provides a detailed overview of the various aspects of national and international cooperation and coordination as they relate to the management of fisheries and fisheries related activities.</p> <p>Cooperation is required because national entities, States and regional organizations are obliged to work together towards the effective implementation of binding and non-binding national and international obligations, by sharing information and otherwise supporting and cooperating in their activities.</p> <p>Coordination ensures that such cooperation is carried out in the most effective and efficient manner possible given the availability of human and technical resources.</p> <p>The module presents the main elements involved in establishing frameworks for cooperation and coordination at both the national and international level, including:</p> <ul style="list-style-type: none">a) general principles;b) key stakeholders;c) legal and policy frameworks;d) mechanisms, tools, processes and procedures;e) best practice.

Module title	National and international cooperation and coordination
Lectures	<p data-bbox="614 367 1302 400">Title: Introduction to cooperation and coordination</p> <p data-bbox="614 450 1002 483"><u>Expected learning outcomes</u></p> <p data-bbox="614 533 772 566">The learner:</p> <ol data-bbox="614 573 1366 1137" style="list-style-type: none"> 1. understands the general principles of cooperation and coordination; 2. has a clear understanding of the reasons why cooperation and coordination are essential for effective fisheries management at the national, regional and international level; 3. knows the binding and non-binding legal frameworks which underpin States' obligations in this regard; 4. is aware of the range of frameworks and tools available to set up and frame or formalize such cooperation and coordination; 5. has a general overview of the stakeholders in the fisheries sector. <hr data-bbox="598 1193 1378 1198"/> <p data-bbox="614 1211 1366 1279">Title: National inter-agency cooperation and coordination</p> <p data-bbox="614 1328 1002 1361"><u>Expected learning outcomes</u></p> <p data-bbox="614 1411 772 1444">The learner:</p> <ol data-bbox="614 1451 1366 1973" style="list-style-type: none"> 1. can identify the competent national authorities with direct or indirect interests in fisheries matters, in order to identify national responsibilities and how these overlap to achieve working solutions; 2. appreciates the need for a comprehensive and robust national legal framework that enables inter-agency cooperation and coordination; 3. understands the need to integrate fisheries matters within the broader scheme of port State measures at the national level, along with flag, and coastal State responsibilities, as well as market-related measures and the implications of these responsibilities and measures in terms of inter-agency activities;

Module title	National and international cooperation and coordination
	<p>4. is aware of the different frameworks and administrative methods by which inter-agency cooperation and coordination can be formalized at the national level, along with effective tools for implementation.</p>
	<p>Title: Regional and international cooperation and coordination</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. is aware of the international legal and policy framework of binding and non-binding instruments and mechanisms; 2. knows the role of regional and international fisheries bodies and arrangements in relation to international cooperation and coordination; 3. understands the importance of international frameworks and tools for information exchange, as well as the facilitation of cooperation and coordination; 4. understands the role and functionality of international tools.

Module title	Port State Measures Agreement
Module code	PSMA - 101
Description of module	<p>This module provides a complete set of training sessions on the 2009 FAO Agreement on Port State Measures to Prevent, Deter and Eliminate Illegal, Unreported and Unregulated Fishing (PSMA). The module delivers the full suite of knowledge required to implement the Agreement effectively, in line with the minimum standards laid down in its various articles and annexes.</p>
Lectures	<p>Title: Introduction to the Port State Measures Agreement</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. acquires a good working knowledge of the Agreement, its scope, definitions and objectives; 2. is familiar with the key requirements arising from the Agreement; 3. is familiar with the key international obligations and responsibilities of port, flag, and coastal State(s), as well as market-related measures and the role the PSMA plays in this regard; 4. appreciates the need for a robust national legal framework through which to implement the provisions of the Agreement; 5. understands regional and global PSMA processes and support measures.

Module title	Port State Measures Agreement
	<p data-bbox="616 371 1054 405">Title: Port entry and use of ports</p> <p data-bbox="616 450 995 483"><u>Expected learning outcome</u></p> <p data-bbox="616 528 783 562">The learner:</p> <ol data-bbox="616 573 1375 763" style="list-style-type: none"> 1. understands key concepts and responsibilities surrounding port designation, advance request for entry to port, risk assessment, authorization / denial of entry and use of port services, <i>force majeure</i>, inspections, follow-up.
	<p data-bbox="616 887 1278 965">Title: Inter-agency coordination, cooperation and exchange of information</p> <p data-bbox="616 1010 995 1043"><u>Expected learning outcome</u></p> <p data-bbox="616 1088 783 1122">The learner:</p> <ol data-bbox="616 1133 1375 1615" style="list-style-type: none"> 1. is aware of the role of different competent national authorities in the implementation of the PSMA and their interconnectedness; 2. acquires knowledge of legal and administrative frameworks to provide platforms for inter-agency coordination, cooperation and information exchange; 3. understands roles and responsibilities under the provisions of the PSMA in this regard; 4. is familiar with regional and international information exchange and collaboration mechanisms, including through regional fisheries management organizations (RFMOs) and FAO.

Module title	Port State Measures Agreement
	<p>Title: Introduction to PSMA inspections</p> <p><u>Expected learning outcome</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. is familiar with general principles of inspection including the role of the inspector (risk assessment, planning and preparation, operations and follow-up).
	<p>Title: Inspector training</p> <p><u>Expected learning outcome</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. is fully conversant with the guidelines for the training of inspectors, as outlined in Annex E of the PSMA.
	<p>Title: Planning and preparation</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. is familiar with the principles of a risk-based approach with regard to benchmarking and priorities, use of resources and trained personnel, briefings etc.
	<p>Title: Conduct of inspections</p> <p><u>Expected learning outcome</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. acquires detailed knowledge of the importance of: legally mandated, trained and qualified inspectors; formal identification; inspection of all relevant areas of a vessel; documentation; flag State involvement in the inspection; minimal interference with the vessel; fairness and transparency; communication; 2. acquires knowledge of the completion of the inspection report and transmittal of results.

Module title	Port State Measures Agreement
	<p data-bbox="614 376 933 409">Title: Follow-up actions</p> <p data-bbox="614 456 997 490"><u>Expected learning outcome</u></p> <p data-bbox="614 537 782 571">The learner:</p> <ol data-bbox="614 577 1380 734" style="list-style-type: none"> 1. acquires knowledge of port State follow-up procedures after an inspection, both in terms of engagement with flag States and the denial of port activities (landing, transshipment etc.) or services.
	<p data-bbox="614 788 1173 822">Title: Electronic exchange of information</p> <p data-bbox="614 869 997 902"><u>Expected learning outcome</u></p> <p data-bbox="614 949 782 983">The learner:</p> <ol data-bbox="614 990 1380 1518" style="list-style-type: none"> 1. understands the importance of electronic information exchange at the national, regional and international levels; 2. appreciates existing tools and formats for international electronic information exchange (Annex D, Global Record of Fishing Vessels, Refrigerated Transport Vessels and Supply Vessels, Global Information Exchange System etc.); 3. understands the requirements to integrate national and regional systems into processes under the PSMA; 4. understands the regional role of RFMOs in electronic information exchange.
	<p data-bbox="614 1563 1252 1597">Title: Role of flag States in port State measures</p> <p data-bbox="614 1644 997 1677"><u>Expected learning outcome</u></p> <p data-bbox="614 1724 782 1758">The learner:</p> <ol data-bbox="614 1765 1380 2045" style="list-style-type: none"> 1. understands the requirements for a flag State to cooperate in the effective implementation of PSMA; 2. recognizes the responsibility of a flag State to ensure that measures applied to vessels entitled to fly its flag are at least as effective in preventing, deterring, and eliminating illegal, unreported and unregulated (IUU) fishing as the PSMA.

Module title	Port State Measures Agreement
	<p>Title: Requirements of developing States</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. has a clear understanding of the special requirements of developing States and Small Island Developing State (SIDS) Parties with regards to their ability to implement the PSMA, as well as the capacity development support which should be afforded to these States; 2. acquires a working knowledge of the FAO global PSMA capacity development programme.
	<p>Title: Non-parties to the PSMA</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. is aware of the recommendation for Parties to encourage non-parties to become Parties, or adopt laws and regulations consistent with the provisions of the PSMA; 2. is aware of the actions Parties may take to deter the activities of non-parties which undermine the effective implementation of the PSMA; 3. has a sound knowledge of the steps States may take to become a Party to the PSMA.

Module title	
Overview of Port State Measures Agreement	
Module code	PSMA - 102
Description of module	This module provides an overview of the 2009 FAO Agreement on Port State Measures to Prevent, Deter and Eliminate Illegal, Unreported and Unregulated Fishing (PSMA). The module outlines the key responsibilities under the Agreement.
Lectures	<p>Title: Introduction to the Port State Measures Agreement</p> <p><u>Expected learning outcomes</u></p> <p>The learner:</p> <ol style="list-style-type: none"> 1. acquires a good working knowledge of the Agreement, its scope, definitions and objectives; 2. is familiar with the key requirements arising from the Agreement; 3. is familiar with the key international obligations and responsibilities of port, flag, and coastal State(s), as well as market-related measures and the role the PSMA plays in this regard; 4. appreciates the need for a robust national legal framework through which to implement the provisions of the Agreement; 5. understands regional and global PSMA processes and support measures.

Module title	Overview of Port State Measures Agreement
	<p data-bbox="612 376 1369 450">Title: Inter-agency coordination, cooperation and exchange of information</p> <p data-bbox="612 499 1002 528"><u>Expected learning outcomes</u></p> <p data-bbox="612 577 772 607">The learner:</p> <ol data-bbox="612 622 1369 1099" style="list-style-type: none"> <li data-bbox="612 622 1369 734">1. is aware of the role of different national competent authorities in the implementation of the PSMA and their interconnectedness; <li data-bbox="612 745 1369 857">2. acquires knowledge of legal and administrative frameworks to provide platforms for inter-agency coordination, cooperation and information exchange; <li data-bbox="612 869 1369 936">3. understands roles and responsibilities under the provisions of the PSMA in this regard; <li data-bbox="612 947 1369 1099">4. is familiar with regional and international information exchange and collaboration mechanisms, including through regional fisheries management organizations (RFMOs) and FAO.

Courses

International course on fisheries law

(Course Code: FISHLAWINT-1)

Overview

The **International course on fisheries law** is a competency-based course designed to provide participants with a sound knowledge of fisheries law, both in theory and practice. International experts will deliver the course at several first-class academic institutions around the world.

The course will cover, *inter alia*:

- ▶ an introduction to the Law of the Sea and international fisheries law;
- ▶ fisheries instruments, both binding and non-binding;
- ▶ the contributions of international adjudicatory bodies;
- ▶ the rights and responsibilities of States in fisheries governance;
- ▶ an overview of fisheries management including monitoring, control, surveillance and enforcement;
- ▶ the implementation of rights and responsibilities in national fisheries legislation;
- ▶ an overview of national and international cooperation and coordination;
- ▶ practical guidance on inspections, an analysis of fisheries offences and violations, collection and presentation of evidence, and the prosecution of fisheries offences.

Objectives

The course aims to enhance capacity building in international fisheries law and governance through the dissemination of knowledge, with an emphasis on the relevant FAO instruments such as the Agreement on Port State Measures to Prevent, Deter and Eliminate Illegal, Unreported and Unregulated Fishing (PSMA). Course participants will therefore become familiar with the following principles, *inter alia*:

- ▶ how to spread knowledge of the international law framework for fisheries governance;
- ▶ how to raise awareness of the rights and responsibilities of a coastal State, flag State, port State and of market-related measures in international fisheries law;
- ▶ how to enhance understanding of national fisheries law and emerging issues; and
- ▶ how to improve the prosecution of fisheries offences in court.

Target participants

The course is aimed at government officials from developing States, including legal practitioners working with fisheries legislation, magistrates, fisheries monitoring, control, surveillance and enforcement officials, and senior managers.

Selection of participants

Together with the institution where the course is delivered, FAO will assess each application and select the course participants. Applicants are expected to hold an undergraduate degree in law, fisheries or a related discipline. Applicants without an undergraduate degree may be accepted on an exceptional basis if they can demonstrate a satisfactory level of prior learning and experience.

Expected learning outcomes

Upon completion of the **International course on fisheries law**, participants are expected to be able to, *inter alia*:

- ▶ assist in the management of living marine resources;
- ▶ implement relevant international instruments, both in national law and in practice;
- ▶ identify offences in fisheries legislation;
- ▶ develop an understanding of evidentiary requirements;
- ▶ apply best practice in the detection, investigation and prosecution of fisheries offences and violations.

Venue

The **International course on fisheries law** is delivered at:

- ▶ the IMO International Maritime Law Institute, Malta (IMLI)
- ▶ the Australian National Centre for Ocean Resources and Security (ANCORS) at the University of Wollongong.

Duration

Three weeks.

Course methodology

The **International course on fisheries law** is competency-based and focuses primarily on providing participants with knowledge and information; this is then followed by the opportunity to apply the knowledge acquired to a practical situation.

Assessment

Assessment for the **International course on fisheries law** will be based on continuous assessment (50 percent) and a final test (50 percent). The continuous assessment will involve short tests throughout the course and participation in a moot court exercise organised at the end of the course. A final test will assess all the topics covered therein. Participants must pass the continuous assessment and the final test to successfully complete the course.

Certification

The successful completion of the **International course on fisheries law** will be certified by the institution where it is delivered, in line with its respective regulations.

Modules covered

Module title	Module code
Public international law	PIL - 101
Law of the Sea	LOS - 101
Overview of fisheries management	FM - 102
Fisheries law	FL - 101
Introduction to fisheries monitoring, control and surveillance (MCS) I – information	MCS - 107
Introduction to fisheries monitoring, control and surveillance (MCS) II – programmes / schemes	MCS - 108
Introduction to fisheries monitoring, control and surveillance (MCS) III – technology	MCS - 109
Fisheries enforcement (legal aspects)	ENF - 102
Overview of fisheries enforcement (technical aspects)	ENF - 103
National and international cooperation and coordination	COOP - 101
Overview of Port State Measures Agreement	PSMA - 102

National course on fisheries law

(Course Code: FISHLAWNAT-1)

Overview

Building on the success of the three-week **International course on fisheries law**, which has been delivered in different first-class academic institutions around the world, FAO is offering a one-week **National course on fisheries law**.

FAO recognizes that there may be instances in which the ongoing management of the fisheries sector in States may not allow officers to be absent for three weeks to attend the full **International course on fisheries law**. Similarly, it may be that States wish to train more personnel than those eligible for scholarships to attend the full **International course on fisheries law**. In response to these factors, and to enhance capacity building in States, FAO is offering a one-week **National course on fisheries law**.

This course outlines the essential elements of the full **International course on fisheries law** in a concise, competency-based manner, and is designed to provide participants with an overview of fisheries law both in theory and practice. International experts will travel to the requesting State to deliver the course *in situ*.

The course will cover, *inter alia*:

- ▶ an overview of the Law of the Sea and international fisheries law;
- ▶ fisheries instruments, both binding and non-binding;
- ▶ the rights and responsibilities of States in fisheries governance;
- ▶ an overview of fisheries management, including monitoring, control, surveillance and enforcement;
- ▶ the implementation of rights and responsibilities in national fisheries legislation;
- ▶ an overview of the Agreement on Port State Measures to Prevent, Deter and Eliminate Illegal, Unreported and Unregulated Fishing (PSMA).

Objectives

The course aims to enhance capacity building in international fisheries law and governance through the dissemination of knowledge, with an emphasis on the relevant FAO instruments such as the PSMA. Course participants will therefore become familiar with the following principles, *inter alia*:

- ▶ how to spread knowledge of the international law framework for fisheries governance;
- ▶ how to raise awareness of the rights and responsibilities of a coastal State, flag State, port State and of market-related measures in international fisheries law;
- ▶ how to enhance understanding of national fisheries law and emerging issues; and
- ▶ how to improve the prosecution of fisheries offences in court.

Target participants

The course is aimed at government officials from developing States, including legal practitioners working with fisheries legislation, magistrates, fisheries monitoring, control, surveillance and enforcement officials, and senior managers.

Selection of participants

Together with the national fisheries authority of the requesting State, FAO will assess each application and select the course participants. Applicants are expected to hold an undergraduate degree in law, fisheries or a related discipline. Applicants without an undergraduate degree may be accepted on an exceptional basis if they can demonstrate a satisfactory level of prior learning and experience.

Expected learning outcomes

Upon completion of the **National course on fisheries law**, participants are expected to be able to, *inter alia*:

- ▶ assist in the management of living marine resources;
- ▶ assist in the implementation of the relevant international instruments in national laws and practice;
- ▶ identify offences in fisheries legislation;
- ▶ understand the importance of evidentiary requirements;
- ▶ develop an overview of best practice in the detection, investigation and prosecution of fisheries offences and violations.

Venue

The **National course on fisheries law** is delivered *in situ* at premises provided by the national fisheries authority of the requesting State.

Duration

One week.

Course methodology

The **National course on fisheries law** is competency-based and focuses primarily on providing participants with knowledge and information; this is then followed by the opportunity to apply the knowledge acquired to a practical situation.

Assessment

Assessment for the **National course on fisheries law** will be based on a continuous assessment. This may include active participation in the different sessions and activities organized during the course, as well as the successful completion of a final test, which will take place at the end of the course and assess all the topics covered therein.

Certification

Upon completion of the **National course on fisheries law** a certificate of attendance will be issued by the National Fisheries Authority of the requesting State.

Modules covered

Module title	Module code
Overview of public international law	PIL - 102
Overview of the Law of the Sea I	LOS - 102
Overview of fisheries management	FM - 102
Introduction to fisheries law	FL - 103
Introduction to fisheries monitoring, control and surveillance (MCS) I – information	MCS - 107
Introduction to fisheries monitoring, control and surveillance (MCS) II – programmes / schemes	MCS - 108
Introduction to fisheries monitoring, control and surveillance (MCS) III – technology	MCS - 109
Overview of fisheries enforcement (legal aspects)	ENF - 104
Introduction to fisheries enforcement (technical aspects)	ENF - 105
National and international cooperation and coordination	COOP - 101
Overview of Port State Measures Agreement	PSMA - 102

International course on PSMA inspection training

(Course Code: PSMAINSPIINT-1)

Overview

The **International course on PSMA inspection training** has been designed to strengthen the capacity of fisheries inspectors to perform their tasks. It enables professionals in the field to achieve the cohesive implementation at national and regional levels of the provisions of the Agreement on Port State Measures to Prevent, Deter and Eliminate Illegal, Unreported and Unregulated Fishing (PSMA), which entered into force on 5 June 2016. International experts from FAO and national authorities will deliver lectures within the course.

The course will cover, *inter alia*:

- ▶ an overview the Law of the Sea and international fisheries law;
- ▶ an overview of fisheries instruments, both binding and non-binding;
- ▶ the rights and responsibilities of States in fisheries governance;
- ▶ an analysis of fisheries management including monitoring, control, surveillance;
- ▶ the enforcement of fisheries legislation, including an analysis of fisheries offences and violations, the collation and presentation of evidence, and the prosecution of fisheries offences;
- ▶ an analysis of the PSMA as well as practical guidance on inspections.

Objectives

The course aims to address key aspects of the training of inspectors, in order to provide them with the solid and consolidated theoretical knowledge to implement the PSMA effectively. Completing the course will allow inspectors to overcome and present solutions for constraints such as:

- ▶ shortcomings in national policies, laws and by-laws;
- ▶ weak institutional and operational capacities, particularly with regard to monitoring, control and surveillance (MCS) systems; and
- ▶ poor cooperation and coordination within the State, among States, as well as at the regional fisheries management organization (RFMO) level.

Target participants

The course is aimed at government officials from developing States who are engaged as PSM senior fisheries inspectors.

Selection of participants

Together with the institution where the course is delivered, FAO will assess each application and select course participants. Applicants are expected to hold an

undergraduate degree in fisheries or a related discipline. Applicants without an undergraduate degree may be accepted on an exceptional basis if they can demonstrate a satisfactory level of prior learning and experience.

Expected learning outcomes

Upon completion of the **International course on PSMA inspection training**, participants are expected to be able to overcome and present solutions for constraints such as:

- ▶ shortcomings in national policies, laws and by-laws;
- ▶ weak institutional and operational capacities, particularly with regard to monitoring, control and surveillance (MCS) systems; and
- ▶ poor cooperation and coordination within the State, among States, as well as at the regional fisheries management organization (RFMO) level.

Venue

The **International course on PSMA inspection training** is delivered at institutions in Busan / Vigo.

Duration

Two and a half weeks.

Course methodology

The **International course on PSMA inspection training** focuses primarily on providing participants with knowledge and information; this is then followed by the opportunity to apply the knowledge and training acquired to a practical situation. This methodology allows inspectors to acknowledge the implementation process of the port State measures.

Assessment

Assessment for the **International course on PSMA inspection training** will consist of formative ongoing evaluation by the course leader, over the duration of the course. This may include: needs analysis; learning journal; evidence of critical engagement with relevant literature and research; analysis of learning visits, practical exercises and conversations. The final evaluation will consist of reports and a test.

Certification

The successful completion of the **International course on PSMA inspection training** will be certified by the institution where it is delivered, in line with its respective regulations.

Modules covered

Module title	Module code
Overview of public international law	PIL - 102
Overview of the Law of the Sea	LOS - 102
Fisheries management	FM - 101
Overview of fisheries law	FL - 102
Fisheries monitoring, control and surveillance (MCS) I – information	MCS - 101
Fisheries monitoring, control and surveillance (MCS) II – programmes / schemes	MCS - 102
Fisheries monitoring, control and surveillance (MCS) III – technology	MCS - 103
Fisheries enforcement (technical aspects)	ENF - 101
Overview of fisheries enforcement (legal aspects)	ENF - 104
Port State Measures Agreement	PSMA - 101

National course on PSMA inspection training

(Course Code: PSMAINSPNAT-1)

Overview

Building on the success of the comprehensive **International course on PSMA inspection training** delivered in institutions in Busan / Vigo, FAO is offering a one-week **National course on PSMA inspection training**. FAO recognizes that there may be instances in which the ongoing management of the fisheries sector in States may not allow officers to be absent for long periods to attend the full **International course on PSMA inspection training**. Similarly, it may be that States wish to train more personnel than those eligible for scholarships to attend the full **International course on PSMA inspection training**.

In response to these factors, and to enhance capacity building in States, FAO is offering a one-week **National course on PSMA inspection training**, which outlines the essential elements of the full **International course on PSMA inspection training**. This concise course is designed to benefit staff responsible for carrying out port inspections as part of the implementation of the Agreement on Port State Measures to Prevent, Deter and Eliminate Illegal, Unreported and Unregulated Fishing (PSMA). The training will be delivered *in situ* by FAO experts in collaboration with the country's national trainers and other guest speakers as required.

The course will cover, *inter alia*:

- ▶ an overview of the Law of the Sea;
- ▶ an introduction to international fisheries law, including fisheries instruments, both binding and non-binding;
- ▶ the rights and responsibilities of States in fisheries governance;
- ▶ an overview of fisheries management including monitoring, control, surveillance and enforcement;
- ▶ an overview of the PSMA.

Objectives

The course aims to enhance capacity building in national ports so that staff responsible for carrying out port inspections as part of the implementation of the PSMA are adequately trained in the principles and techniques of port inspection as part of the PSM framework.

Target participants

The course is intended for officials who already have a satisfactory level of knowledge of the regulations applicable in the area of fishing, in particular national and regional regulations.

Selection of participants

Together with the national fisheries authority of the requesting State, FAO will assess each application and select course participants. Satisfactory prior learning and experience must be demonstrated in order to participate.

Expected learning outcomes

Upon completion of the **National course on PSMA inspection training**, participants are expected to be able to overcome and present solutions for constraints such as:

- ▶ shortcomings in national policies, laws and by-laws;
- ▶ weak institutional and operational capacities, particularly with regard to monitoring, control and surveillance (MCS) systems; and
- ▶ poor cooperation and coordination within the State, among States, as well as at the regional fisheries management organization (RFMO) level.

Venue

The **National course on PSMA inspection training** is delivered *in situ* at premises provided by the national fisheries authority of the requesting State.

Duration

One week.

Course methodology

The **National course on PSMA inspection training** focuses primarily on providing participants with knowledge and information; this is then followed by the opportunity to apply the knowledge and training acquired to a practical situation. This methodology allows inspectors to acknowledge the implementation process of port State measures.

Assessment

Assessment in the **National course on PSMA inspection training** will involve a continuous evaluation of the results of practical tasks, including oral presentations and a final test to be completed at the end of the course.

Certification

Upon completion of the **National course on PSMA inspection training** a certificate of attendance will be issued by the national fisheries authority of the requesting State.

Modules covered

Module title	Module code
Overview of public international law	PIL - 102
Overview of the Law of the Sea I	LOS - 102
Overview of fisheries management	FM - 102
Introduction to fisheries law	FL - 103
Overview of fisheries monitoring, control and surveillance (MCS) I – information	MCS - 104
Overview of fisheries monitoring, control and surveillance (MCS) II – programmes / schemes	MCS - 105
Overview of fisheries monitoring, control and surveillance (MCS) III – technology	MCS - 106
Overview of fisheries enforcement (technical aspects)	ENF - 103
Overview of fisheries enforcement (legal aspects)	ENF - 104
Overview of Port State Measures Agreement	PSMA - 102

In 2017, FAO launched its Global Capacity Development Programme to support the implementation of the Agreement on Port State Measures to Prevent, Deter, and Eliminate Illegal, Unreported and Unregulated fishing (PSMA) and complementary international instruments, regional mechanisms and tools to combat illegal, unreported and unregulated (IUU) fishing. The programme aims to contribute to national, regional and global efforts to prevent, deter and eliminate IUU fishing.

For the proper implementation of the programme, FAO developed its fisheries training framework, based on a modular approach, which has been invaluable in harmonizing the courses delivered under the programme. This modular approach also provides flexibility for the creation of new courses to cater for specific needs.

This prospectus provides an overview of the modules offered under the FAO fisheries training framework, including a detailed description of each module, its corresponding lectures and expected learning outcomes. Elsewhere, the prospectus provides detailed information on each of the courses currently offered, including their objectives, target participants and overall expected learning outcomes, as well as other relevant information.

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