



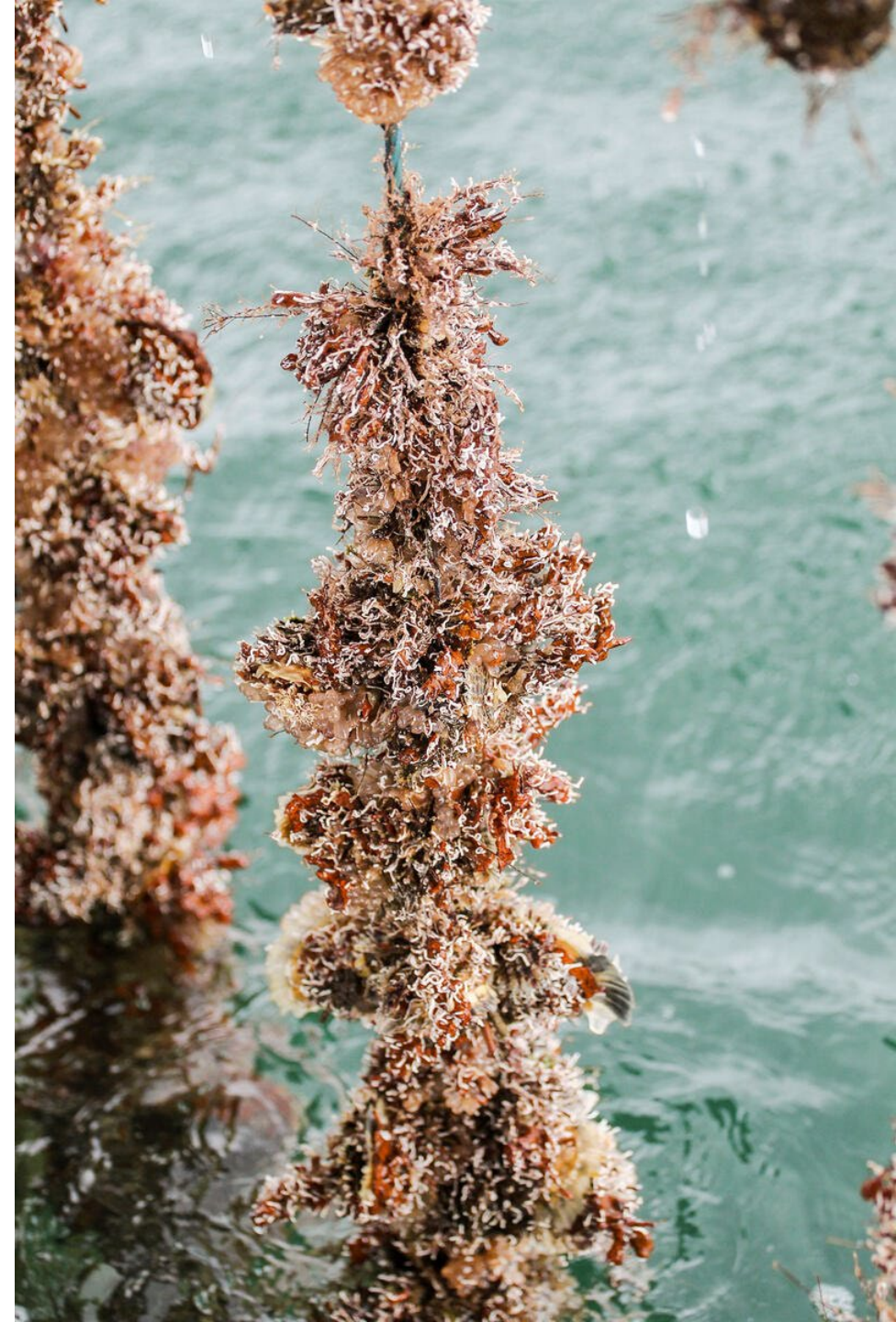
Food and Agriculture Organization
of the United Nations

Training activities delivered and planned

Seventeenth Session of the IOC-FAO Intergovernmental Panel on Harmful Algal Blooms

Esther Garrido Gamarro
Fishery Officer

Food and Agriculture Organization of the United Nations



A photograph showing three people in a mangrove environment. Two women in the foreground are crouching in shallow water, sorting through a large grey bowl filled with harvested bivalve molluscs. One woman is wearing a blue shirt and jeans, while the other is wearing a colorful patterned top and a headscarf. A third person, wearing a white long-sleeved shirt, a blue cap, and blue gloves, is standing in the water to the right, also working with a bowl. The background is filled with dense green mangrove trees and their roots. The scene is brightly lit, suggesting daylight.

Ongoing capacity building project in Gambia

- FAO Jointly with the FAO Reference Centre for Bivalve Mollusc Sanitation is providing support to classify the growing areas for bivalve molluscs in Gambia.
- Increasing number of requests by FAO Members to develop the bivalve mollusc production sector.

A person wearing a white long-sleeved shirt and bright yellow trousers is bent over a wooden pier, handling a large, dark mesh bag. The pier is made of wooden planks and is situated on a rocky shore. In the background, the ocean is visible with numerous blue buoys floating in the water. The sky is overcast.

Ongoing – planning of a regional workshop in Africa

July 2025

Training by Cefas and exercise
for expression of interest to
develop bivalve mollusc
sanitation systems and marine
biotoxins monitoring systems

Countries expected:

Angola, Cameroon, Djibouti,
Gambia, Ghana, Kenya,
Madagascar, Mauritius,
Mozambique, Namibia,
Senegal, South Africa, and
Sudan



FAO elearning Academy



About the Academy

What we do

Courses

Certification

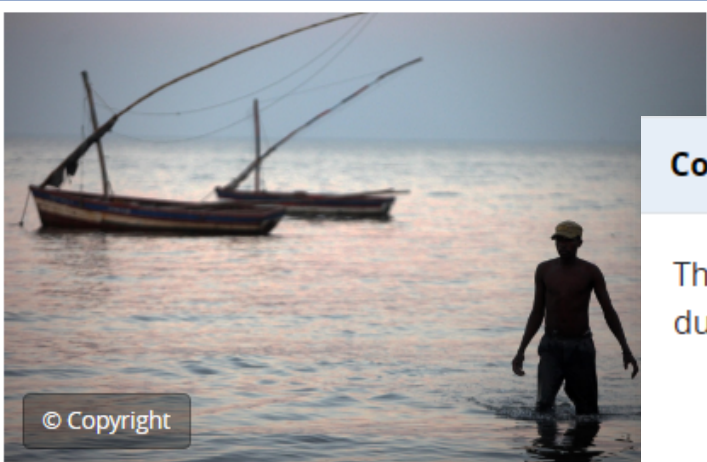
Webinars

Repository

Partners

Help and support

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Course structure

The course consists of 4 lessons, ranging from approximately 30 to 45 minutes duration each:

- Lesson 1 – The causative organisms of ciguatera
- Lesson 2 – Food safety: Ciguatoxin monitoring in fishery resources)
- Lesson 3 – Public Health: Ciguatera illness monitoring and reporting
- Lesson 4 – Risk management

Ciguatera poisoning is one of the most common foodborne illnesses caused by consumption of fishery products, caused by ingestion of fish contaminated by ciguatoxins (CTXs). This course is designed to help learners understand the ecology of the causative organisms, as well as the potential hazard of fish contamination and consequent illnesses. The course proposes tools, approaches and strategies for the design and implementation of environmental, food safety and epidemiological monitoring, with a view to developing a well-informed ciguatera risk management plan.

Released in: DECEMBER 2020

2 h 30 m of learning

THEMATIC AREA: [Fisheries and aquaculture](#); [Livestock, animal health and production](#)



Access course

This e-learning course targets food safety and fishery authorities, policy-makers, doctors and health managers. The course is also meant for trainers and students interested in ciguatera poisoning, and for fishing and fish processing workers, who can help to identify hazards associated with fish products, in order to smooth the formulation of control strategies.

4 LESSONS



Take certification test

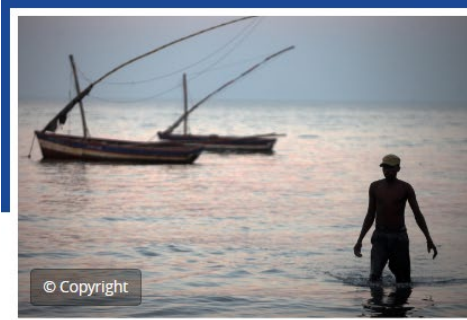
12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



14 LIFE
BELOW WATER



Uptake of the "Monitoring and preventing ciguatera poisoning" e-learning course

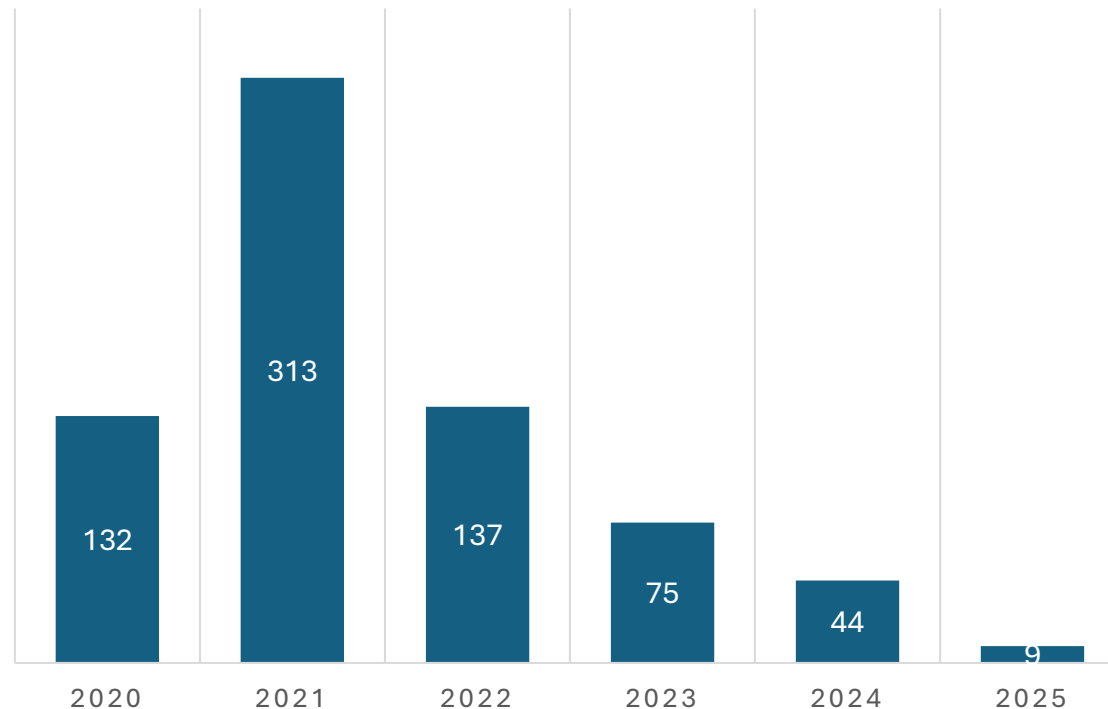


Monitoring and preventing
ciguatera poisoning



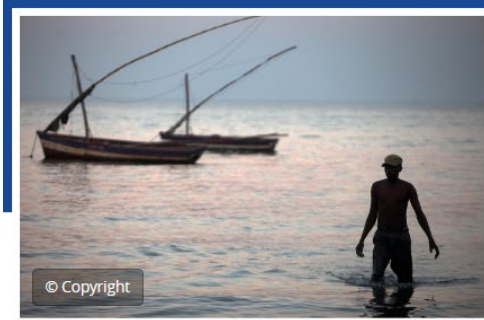
CERTIFIED COURSE

NUMBER OF LEARNERS - BY
YEAR



Year	Online Access	Downloads	Total
2020	132		132
2021	170	143	313
2022	80	57	137
2023	42	33	75
2024	20	24	44
2025	5	4	9
	449	261	710

Uptake of the "Monitoring and preventing ciguatera poisoning" e-learning course



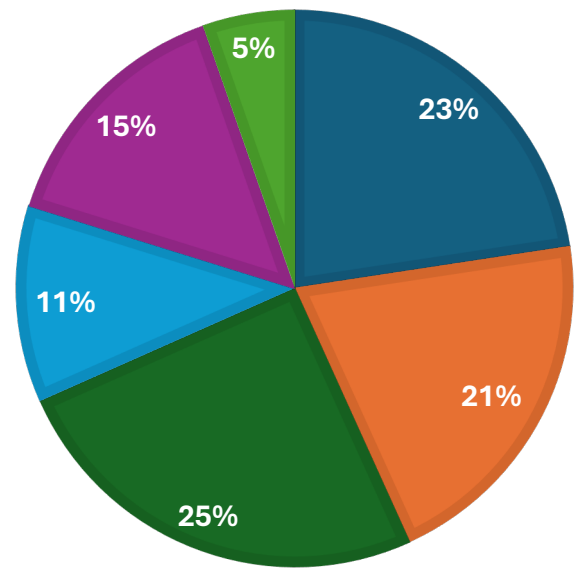
Monitoring and preventing
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CERTIFIED COURSE

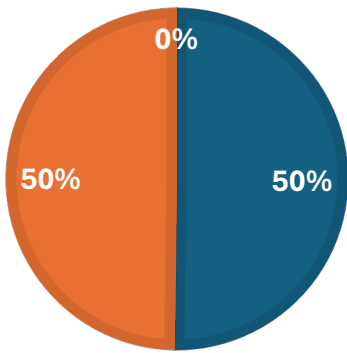
NUMBER OF LEARNERS - BY REGION

■ Africa ■ Asia ■ Europe ■ North America ■ Oceania ■ South America



NUMBER OF LEARNERS - BY GENDER

■ Female ■ Male ■ Neutral



	Africa	Asia	Europe	North America	Oceania	South America	Unknown	
Online Access	122	79	120	48	58	21	1	449
Downloads	38	67	58	33	47	17	1	261
Total	160	146	178	81	105	38	2	710

Uptake of the "Monitoring and preventing ciguatera poisoning" e-learning course



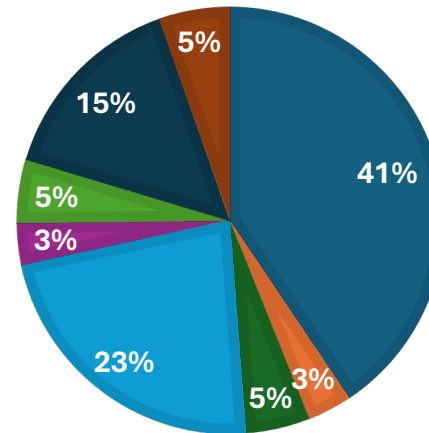
Monitoring and preventing
ciguatera poisoning



CERTIFIED COURSE

NUMBER OF LEARNERS - BY TYPE OF ORGANIZATION

■ Government
 ■ Non Governmental Organization
 ■ International Organization
 ■ University / Research Center
 ■ Intergovernmental Organization
 ■ Private Sector
 ■ Individual
 ■ Other



	Government	Non-Governmental Organization	International Organization	University / Research Center	Intergovernmental Organization	Private Sector	Individual	Other	Unknown	
Online Access	191	14	22	94	16	21	65	24	2	449
Downloads	96	10	12	68	6	13	41	14	1	261
Total	287	24	34	162	22	34	106	38	3	710



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Task Teams could have a role to play for upcoming training activities

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