

Fisheries and Aquaculture Statistics

(e-Learning course)

1– 31 July 2019

Guidelines

I. OVERVIEW OF THE COURSE

There is an immense need of strong reliable, national data base on inland and marine fisheries-including socio-economic data on householders and fishing communities. This necessity is reflected in various international instruments including Blue growth initiatives of the Food and Agricultural Organization (FAO), the Sustainable Development Goals (SDGs) and Global Strategy to Improve Agricultural and Rural Statistics.

This e-learning course introduces fundamental knowledge on fisheries and aquaculture statistics. This course will help you understand how to compile and monitor SDG indicators from fisheries and aquaculture statistics. The course comprises six lessons. Each lesson comprises slides and their explanations. The first lesson outlines the Global Strategy to Improve Agricultural and Rural Statistics which provides a framework for national and international statistical systems to produce and to apply the basic data and information needed to guide policy on rural development and sustainable agricultural production. Lesson 2 introduces definition of small-scale fisheries and aquaculture. Lesson 3 depicts indicators of the SDG Goal 14 based on statistics in small-scale fisheries and aquaculture. Lesson 4 outlines international statistical classifications. Lesson 5 highlights on data collection and sampling design. The last lesson focuses on information technology including remote sensing, global positioning system and geographical information system.

After studying all lessons, a test will be given, necessary to achieve the certificate of this course.

II. TARGET PARTICIPANTS

Target participants are officials who provide or use fisheries and aquaculture statistics.

III. LEARNING OUTCOMES

By the end of the course, participants will be expected to:

- (a) To know about securing sustainable small-scale fisheries guidelines, SDGs and other relevant international instruments
- (b) To sensitize the need for collection of reliable and accurate small-scale fisheries and aquaculture statistics
- (c) To understand the indicators of small-scale fisheries and aquaculture
- (d) To build the skills on the use of data to support evidence-based policy

IV. COURSE DESIGN AND CONTENT

Each lesson consists of slides with explanations. After all lessons have been completed, participants will be required to complete a final test that will cover all Lessons. The course is expected to take a maximum of 2 hours to complete.

Content

Lesson 1 Concept of Global Strategies to Improve Agricultural and Rural Statistics

Lesson 2 Concept of Small-scale Fisheries and Aquaculture

Lesson 3 Indicators of Small-scale Fisheries & Aquaculture

Lesson 4 International Standard Statistical Classifications

Lesson 5 Statistical Methods for Collection of Fisheries Data Including Sampling Design

Lesson 6 Satellite Mapping for Identification of Water Bodies and Related Parameters

IV. EVALUATION

Participants must receive a 80% or higher in the test at the end of this course.

Participants will be given 45 minutes to complete the test. They may take the exam up to three times and retain their best score. Participants **may not work together on the test**. The course facilitator reserves the right to deny course certificates to participants suspected of cheating on the test.

The supervisor is expected to ensure that the test of the course is taken in his/her presence.

V. SOURCE MATERIAL

This course draws upon various sources, including international statistical standards. A reference document introducing a case study is included as an appendix of this course.