Fact sheet - Training on Fish Stock Assessment Methods

Title of the course:

Regional Training on Fish Stock Assessment Methods

Rationale:

Since its establishment, PERSGA has conducted several training programmes on the sustainable management of living marine resources. Thus, the region has seen a substantial rise in national capacity for fish stock assessment, data collection and analysis. Essential baseline information has been collected region-wide. This needs to continue so that the appropriate fisheries management plans can be refined and modified in light of changing future circumstances.

Objectives:

The major objectives of the training course are:
1. Review and build the capacity of nationals on methodologies of Stock assessment and sustainable Management of Living Marine Resources (LMR).
2. Have an overview of the minimum data requirements for stock assessment, fishery management and monitoring purposes;
3. Develop a regional team of specialists that will be capable of implement stock assessment activities at national or local levels.

Participants:

Participants of this course should be official technicians who expected to be involved in the field of stock assessment and sustainable exploitation of LMR in RSGA member countries.

Based on the available number of computers in the LMR Regional Training Center, the total expected number for this course is not to exceed 14 participants.

Date and Duration:

The duration of the course is five working days and will be conducted during April 1-5, 2007.

Location:

PERSGA HQ, Jeddah-Kingdom of Saudi Arabia.

Organizers:

The Regional Organization for the Conservation of the Environment of the Red Sea and Gulf of Aden - PERSGA.

Language

The training language is Arabic.

Training Materials/References

The training will be based on the FAO training Module on Tropical Fish Stock assessment Methods.

Training Sessions (Schedule)

The course will be conducted over duration of five days. It will include lectures as well as practical applications as per the following:

First Day

- Opening addresses
- Introduction
- Mathematical models in stock assessment
- Abundance indices

Second Day

- Estimation of Growth Parameters (Lectures)
- Fitting Growth Curves using Computer Programs (Hands on training)

Third Day

- Estimation of Mortality Rates Z, M and F. (Lectures)
- Methods for estimation of Mortality Rates (Hands on training)

Fourth Day

- Prediction Models
- Fitting Beverton and Holt Yield-Per-Recruit Model (Hands on training)

Fifth Day

- Estimation of Maximum Sustainable Yield Using Surplus Production Models.
- Fitting Schaefer and Fox models (Hands on training)

Instructors

The course will be instructed by the following experts:

Dr. Mohamed Abdullah
Regional Expert
Living Marine Resources
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Facilitator

Dr. Ahmed Khalil
Coordinator
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