

INTER-AMERICAN TROPICAL TUNA COMMISSION

6TH TECHNICAL MEETING ON SHARKS¹

ASSESSMENT METHODS

La Jolla, California (USA)

28-29 September 2017

AGENDA

1. Opening (Alexandre Aires-da-Silva)
2. Introduction to the meeting (Carolina Minte-Vera)
3. Participant introductions
4. **SESSION I. Assessing ecological sustainability in data-limited fisheries** (Shane Griffiths)
 - 4.1 What is ecological sustainability? Why it needs to be assessed?
 - 4.2 Methods for assessing ecological sustainability
 - 4.3 An overview of Productivity-Susceptibility Analysis (PSA)
 - 4.4 Demonstration of PSA for the EPO longline fishery
 - 4.5 Tutorial – Construction of a PSA for sharks caught in Costa Rican longline fishery (a hypothetical example)
 - Develop attributes relevant to the fishery/country
 - Using literature to develop productivity attribute scores
 - Round table discussion to determine susceptibility scores (e.g. fishing gear selectivity of species)
 - Populate the scoring tables
 - Produce a PSA x-y plot and interpret the results
 - 4.6 Group discussion to present hypothetical research or management needs for vulnerable species
5. **SESSION II. Single-species assessment methods in data-limited fisheries** (Carolina Minte-Vera)
 - 5.1. *Indicators:*
 - 5.1.a Standardized CPUE as index of relative abundance
 - 5.1.b Size structure of the catches: changes in average size, size relative to size at maturity
 - 5.1.c “Borrowing” information: life-history invariants, meta-analyses
 - 5.2. *Simple models:*
 - 5.2.a Spawning biomass-per-recruit: simple population model, size structure and life-history
 - 5.2.b Trends in catch and catch only models: simple population model, catch and life-history assumptions to inform values for the model parameters
 - 5.2.c Depletion analysis: simple population model, catch, CPUE, life-history assumptions to inform values for the model parameters
6. **CONCLUSION: Determining feasible assessment options**

SCHEDULE:

¹ Organized under the FAO-GEF ABNJ project

8:30 – 8:50	Registration (Thursday only)
9:00	Start
10:30 – 11: 00	Coffee break
13:00 – 14: 00	Lunch
15:30	Coffee break
18:00	Close (flexible)

LOCATION:

[Inn By the Sea Hotel](#)

7830 Fay Ave
La Jolla, CA 92037
USA

[Directions](#)

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