

# COMISION INTERAMERICANA DEL ATUN TROPICAL INTER-AMERICAN TROPICAL TUNA COMMISSION

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## INTER-AMERICAN TROPICAL TUNA COMMISSION

### 2<sup>nd</sup> REVIEW OF THE STOCK ASSESSMENT OF YELLOWFIN TUNA IN THE EASTERN PACIFIC OCEAN

La Jolla, California (USA)  
2-6 December 2019

## ANNOUNCEMENT

The main objective of this meeting is to review the stock assessment model used by the IATTC staff for yellowfin tuna in the eastern Pacific Ocean (EPO) and to provide advice on how to improve the assumptions made in the assessment, as part of the staff's [work plan](#) for improving its assessments of tropical tunas. The assessment of yellowfin tuna was last independently reviewed in 2012.

Several issues have been identified in the assessment, and the management quantities estimated by the most recent update assessment were found to be over-sensitive to the addition of new data. The IATTC staff and the [CAPAM workshop](#) series have identified several modelling good practices that should be incorporated into the assessment, and these and other important improvements have been implemented in exploratory assessment models. An external review of the assessment is needed to evaluate the appropriateness of these changes, and to obtain expert input on improving the assessment before it is used as a basis for management advice to the Commission in 2020.

Among the developments that will be covered in the review are stock and fishery structure, causes of the discrepancy between longline and purse-seine CPUE-based indices of abundance, the growth curve and its estimation, weighting of data sets, and temporal variation in purse-seine selectivity. The results of the review will be incorporated in the benchmark stock assessment planned for 2020, and reported to the meeting of the IATTC Scientific Advisory Committee (SAC) in May 2020.

Scientists and managers from governments, industry, NGOs, and other stakeholders are encouraged to attend.

Language: English