

Progress applying

## RECOMMENDATIONS OF THE EIGHTH SCIENTIFIC ADVISORY COMMITTEE MEETING

	Recommendation	Progress
1	<b>Spatial-temporal modelling of CPUE data:</b> The SAC recognizes the important work and collaborative efforts on spatial-temporal modelling of CPUE data, and highlights that IATTC efforts in this area are at the cutting edge of complex approaches to stock assessments. The SAC recommends continued Commission support for future research efforts in this area.	
2	<b>Strategic Science Plan:</b> The SAC recommends that the scientific staff prepare a strategic science plan for the 2018-2022 period, which includes clear objectives, specific priorities, strategies, actions, responsibilities, and resources, including a tentative budget. The SAC also recommends that this strategic science plan include, <i>inter alia</i> , a stock assessment schedule, an action plan for implementation of Management Strategy Evaluation (MSE) with priority to tropical tunas, and a shark research plan.	
3	<b>Management Strategy Evaluation (MSE):</b> The SAC recommends continued and expanded Commission support for the staff's work and collaborative efforts in the area of MSE. Specifically, the SAC recommends further efforts to identify priorities for further research and progress, along with a calendar for a plan of work and an accounting of the necessary resources.	The Commission approved a project for the Management Strategy Evaluation (MSE) for tropical tunas in the EPO. Duration 1 year. Budget 162,000 dlls.
4	<b>Dorado (<i>Coryphaena hippurus</i>):</b> The SAC recognizes the importance of the dorado resource for coastal CPCs, and recommends that the Commission continue to support the participation of IATTC staff in data collection and research efforts, and consider financial support for such efforts, as appropriate.	The Commission approved a project for the evaluation of potential reference points for dorado in the EPO. Duration 6 months. Budget 81,000 dlls.
5	<b>Tagging:</b> The SAC reiterates its recommendation to establish and continue tagging programs, for which the staff should develop a sampling design, indicating the target species, budget, and potential sources of financing.	The Commission is discussing a tagging program. Duration 3 years. Budget 7,286,103 dlls.

6	<p><b>Sorting grids:</b> The SAC recommends continuing the research efforts into sorting grids for juvenile tuna, developing an experimental plan in accordance with Resolution C-17-01</p>	<p>The Commission approved a project for testing the potential of sorting grids for reducing the mortality of small tunas and other species in the purse-seine fishery in the EPO. Duration 2 years. Budget 100,000 dlls.</p>
7	<p><b>Observers on purse-seine vessels of less than 364 t capacity:</b> The SAC reiterates recommendation 5 of its seventh meeting in 2016: <i>“Establish observer coverage for purse-seine vessels of less than 364 metric tons carrying capacity, and evaluate the use of electronic monitoring systems.”</i></p>	<p>The Commission approved a project for the electronic monitoring of purse-seine vessel activities and catches. Duration 2 years. Budget 207,000 dlls.</p>
8	<p><b>Limits on FADs:</b> The SAC recommends establishing a limit on the number of FADs. To that end, the SAC also recommends that the scientific staff perform some dedicated work to enable future discussions by the Commission.</p>	<p>Resolution C-17-02 established compromises for limiting the number of FADs.</p>
9	<p><b>Data on well volume of longline vessels:</b> The SAC recommends that the well volume of longline vessels, in cubic meters, be included in the data fields to be collected by longline observers.</p>	<p>Considered in the formats ???????????</p>
10	<p><b>Support for developing countries:</b> The SAC recognizes the contribution of the projects presented with regard to support for developing countries and recommends that they be strengthened and continued, seeking financial resources.</p>	<p>The Commission approved the utilization of funds for 2018 for capacity building with the resources provided in the Special Fund according to resolution C-14-03:</p> <ul style="list-style-type: none"> <li>- Establishment of an annual IATTC scholarship for developing scientific capacity in developing CPCs (30,000 dlls)</li> <li>-Development of an annual training course for creating capacity for developing CPCs, on matters such as sampling methods, stock assessment, and fisheries policy. (20,000 dlls)</li> <li>- Development of a workshop in Central America for guidance on the various reports to be sent to the Secretariat under the various existing resolutions (40,000 dlls)</li> <li>-Participation of representatives of developing Members in the annual meeting of the Commission and its subsidiary bodies (45,000).</li> </ul>
11	<p><b>IATTC office in Costa Rica:</b> The SAC acknowledges the offer of Costa Rica to host and support the establishment of an IATTC field office in their country.</p>	<p>During the 92 IATTC meeting, the potential of the office for building capacity in the region, was commented as well as its importance to strengthening the IATTC with the provision of better data and information. It was also informed that at least during the initial phase, the establishment and running of the office would not imply any costs for the Commission, since Costa Rica would be</p>

		providing the premises where it would be located, and the financial resources for its operation would come from a GEF-World Bank project for a period corresponding to the first two years. At the end of that period the matter would be submitted again to the consideration of the Commission, which could evaluate the results and benefits based on concrete experience.
12	<b>Pacific bluefin tuna:</b> To further its work on the recovery of Pacific bluefin tuna, the SAC supports the continued coordination between the IATTC and WCPFC to develop a rebuilding plan including how the second rebuilding target will be calculated, any assumptions about recruitment that need to be made, and the required probability of reaching that target.	
13	<b>Conservation of tropical tunas:</b> The SAC recommends that the scientific staff prioritize work on the analysis of various options for the management and conservation of tropical tunas such as <u>maintaining the 62-day closure</u> , <u>maintaining the “corralito”</u> , establishing a <u>limit on the number of FADs deployed</u> and the manufacture of these devices <u>using biodegradable and non-entangling materials</u> . The SAC requests the scientific staff to evaluate fishing effort for calculating the days of closure on a different basis from capacity in cubic meters. This request is based on the imperfect correlation between fleet capacity and fishing mortality.	Resolution C-17-02 establishes the main following elements: -All purse-seine vessels covered by these measures must stop fishing in the Convention Area for a period of 72 days in each year covered by this resolution. - The corralito shall be closed from 9 October to 8 November of each year (2018-2020). -CPCs shall ensure that purse-seine vessels flying their flag have no more than the following number of fish-aggregating devices (FADs), as defined in Resolution C-16-01, active at any one time: Class 6 (1,200 m3 and greater): 450 FADs Class 6 (< 1,200 m3): 300 FADs Class 4-5: 120 FADs Class 1-3: 70 FADs -Each CPC shall ensure that: a. its purse-seine vessels do not deploy FADs during a period of 15 days prior to the start of the selected closure period; b. all its Class-6 purse-seine vessels recover within 15 days prior to the start of the closure period a number of FADs equal to the number of FADs set upon during that same period.
14	<b>Minimum data standards for longline observer programs:</b> The SAC adopts the following minimum standards for collecting and reporting data to the Commission by the CPCs’ longline observer programs, pursuant to paragraph 7 of Resolution C-11-08. CPCs that choose to use the longline observer forms and manuals available on the IATTC web	The Secretariat prepared and circulated a detailed memorandum informing of the forms and procedures to communicate data to the Commission.

	site should collect and report all the relevant data found on those forms. Observer programs not using the IATTC forms should collect and report to the Commission the data specified in Annex 1 of Document SAC-08-07e, excluding those fields highlighted in yellow that are not currently included in the WCPFC list of minimum standard data fields	
15	<b>Fin-to-carcass ratio for sharks:</b> The SAC recommends that the scientific staff review the provisions of Resolution C-05-03 related to the fin-to-carcass ratio for sharks	
16	<b>Shark research:</b> The SAC recommends that shark-related scientific work is aligned with the requirements of Resolutions C-05-03, C-16-05, and C-16-06.	The Commission approved a project to improve data collection and stock assessments for sharks in the EPO.
17	<b>SAC documents:</b> To allow SAC members sufficient time to prepare for the meetings of the SAC, the SAC recommends that all meeting documents are posted on the IATTC website at least three weeks ahead of every meeting.	This is a target for the May meeting.
18	<b>Analysis of catch limits:</b> The SAC requests that the scientific staff assess catch limits based on the update of the 3-year period 2014-2016, pursuant to resolution C-17-01	It was done for the formulation of resolution C-17-02 on tuna conservation.
19	<b>Analysis of impacts of juvenile mortality:</b> The SAC recommends that the scientific staff assess the impact of the fishing mortality of juveniles on future spawning biomass of yellowfin and bigeye tunas.	The Commission approved a project to evaluate the relationship between vessel operational characteristics and fishing mortality. Duration 2 years. Budget 223,000 dlls.