

INTERNATIONAL COMMISSION FOR THE
CONSERVATION OF ATLANTIC TUNAS



COMMISSION INTERNATIONALE POUR LA
CONSERVATION DES THONIDES DE L'ATLANTIQUE

COMISION INTERNACIONAL PARA LA
CONSERVACION DEL ATUN ATLANTICO

Madrid, le 29 avril 2025

CIRCULAIRE ICCAT n° 03687 / 2025

OBJET : APPEL D'OFFRES - ESTIMATION DE LA MORTALITÉ DES THONIDÉS TROPICAUX DÉRIVÉE DU MARQUAGE

J'ai le plaisir de vous faire parvenir ci-joint l'appel d'offres concernant l'estimation de la mortalité des thonidés tropicaux dérivée du marquage, qui sera réalisée dans le cadre du Programme de recherche et de collecte des données pour les thonidés tropicaux (TTRaD) conformément au plan de travail du SCRS pour cette année.

Je vous serais reconnaissant de bien vouloir distribuer cet appel d'offres aux personnes et institutions qualifiées susceptibles d'être intéressées.

Je vous prie d'agréer l'expression de ma parfaite considération.

Secrétaire exécutif



Camille Jean Pierre Manel

DISTRIBUTION :

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– **Chefs de délégation et chefs scientifiques**

– **Parties, Entités ou Entités de pêche coopérantes**

Pièce jointe : Termes de référence - Estimation de la mortalité des thonidés tropicaux dérivée du marquage (en anglais uniquement).



TERMS OF REFERENCE

TAGGING DERIVED MORTALITY ESTIMATION OF TROPICAL TUNA

Background and objectives

The Atlantic Ocean Tropical Tuna Tagging Programme (AOTTP) was a five-year tag and release project implemented by the International Commission for the Conservation of Atlantic Tunas (ICCAT). Five important species of tropical tunas were targeted for tag and release using mainly baitboats, although longliners and recreational anglers were also used. During the project, approximately 120,000 fish were tagged and released with conventional tags and around 600 with electronic (pop-up and internal/archival) tags.

The original objectives of the AOTTP were to contribute to food security and economic growth of the Atlantic coastal State by supporting the adoption of appropriate Conservation and Management Measures (CMMs). The AOTTP supported the collection of important tag-recapture, and biological data to improve knowledge of various biological and ecological parameters for the main tropical tuna species in the Atlantic Ocean. Detailed information on the number of fish tagged, years of release and recovery and data availability are provided on the [AOTTP website](#) and in **Annex 1**.

This project seeks to utilise tagging data to update estimates of maximum age, natural and fishing mortality for bigeye tuna (*Thunnus obesus*), yellowfin tuna (*Thunnus albacares*) and skipjack tuna (*Katsuwonus pelamis*). Analyses should attempt to account for differences associated with species, area, age/length and year. Where feasible, contractors will work with other complementary programmes with similar objectives to ensure that updates are comprehensive and utilising as much data as possible (including non-tag derived data sources).

Contractor tasks

These Terms of Reference outline the analysis of AOTTP data (and other complementary data) to estimate maximum age, fishing and natural mortality for tropical tuna.

The Tasks include:

- Collate and summarise usable data including complementary data sources (supported by the Secretariat)
- Estimate maximum age, fishing and natural mortality (M) by species, area, age/length and year (where possible) by integrating the multi-year tagging data with information on tag reporting, tag induced mortality and tag shedding rates
- If feasible, consider implications for estimating M of the impact of Fish Aggregating Devices (FADs) on the movement and distribution of tropical tuna stocks
- Present developments to the tropical tuna species group
- Meet as required with the SCRS Tropical Tuna species group and incorporate suggestions and updates as required

Deliverables

1. A SCRS document or presentation describing progress towards mortality estimation for tropical tuna species to be submitted by **7 July 2025** and provided at the Bigeye Tuna Stock Assessment Meeting (*Hybrid, Madrid, Spain 14-18 July in 2025*).



2. A SCRS document and related presentation presenting preliminary results for all three tropical tuna species to be submitted by **15 September 2025** and presented at the SCRS Tropical Tunas Species Group meeting (*Hybrid, Madrid, Spain, 22-27 September 2025*).
3. Provide a final report summarising all results and work completed during the project along with all data and code used before **12 December 2025**.

The Tropical Tunas Species Group and its rapporteurs and the SCRS Chair, in consultation with the ICCAT Secretariat, will review all submissions of the contract deliverables and communicate any necessary revisions (if applicable) to the contractor and/or inform of approval within 5 days of the submission(s). The contractor shall submit the revised final documents (if changes are request) together with the regular invoice, within 10 days after the aforementioned 5 days period.

Contractor minimum qualifications

- Documented multi-year experience in mark-recapture models.
- University degree in one of the following: fisheries science, marine biology, statistics, natural sciences, biological sciences, environmental sciences, or closely related fields (in case of individual scientists).
- Excellent working knowledge of one of the three official languages of ICCAT (English, French or Spanish). A high level of knowledge of English is desirable.

Submission of proposals

The proposals should be developed according to these Terms of Reference. The detailed offer shall be submitted only to the attention of the Executive Secretary of ICCAT, [Mr Camille Jean Pierre Manel](#) and Cc'ing [Ms. Stasa Tensek](#), by **16 May 2025 (18:00, Madrid time)**, including:

- a) The detailed offer shall include: i) the detailed description of the activities to be carried out; and ii) detailed (breakdown) budget, including unitary costs (if applicable).
- b) The *curriculum vitae* of the tenderer (in case of individual scientists) and of any collaborator (sub-contractor).
- c) The *curriculum vitae* of the institution (if an institution is the service provider), with any documented experience in reproductive studies.
- d) The name, address, and telephone number of the tendering person/entity.
- e) The institutional and administrative background of the tendering person/body (e.g. statutes, type of institution, annual budget, budget control procedures, etc. (if applicable)).
- f) A list of any relevant subcontracting activities.
- g) The declaration that the offering person/entity shall follow the ICCAT procedures and formats for data to be provided.
- h) A declaration that all the comments eventually made will be incorporated prior to submission to the ICCAT Secretariat of the final report.
- i) Acknowledgment of this Call for Tenders.
- j) A statement specifying the extent of agreement with all terms, conditions and provisions included in the attached Terms of Reference.



Selection of proposal(s)

The ICCAT Secretariat will make a revision of the offer(s). Following the revision process, the ICCAT Executive Secretary will notify the entity selected for the contract as soon as the selection process is completed. Contracts will be awarded based on competitive tendering. The evaluation of proposals will be undertaken objectively, consistently and without bias towards particular suppliers. Proposal(s) will be evaluated against a pre-determined set of criteria, which include: (i) cost (30%); (ii) proven track record (30%); (iii) technical merit based on workplan including the bidder's qualifications (30%); and, (iv) flexibility to future changes to requirements (10%).

Payment details

Disbursement will be made according to the following schedule:

- 30% of the total amount of the contract upon **signing the contract** and after receiving a regular invoice, which may be submitted at the latest 30 days after the signature of the contract;
- 20% of the total amount of the contract upon the provision of **Deliverable #1** and after receiving a regular invoice;
- 20% of the total amount of the contract, upon the provision of **Deliverable #2** and after receiving a regular invoice.
- 30% of the total amount of the contract, after the approval of the final report (**Deliverable #3**), and after receiving a regular invoice and the complete set of documents concerning the expenses incurred under the contract, no later than **31 December 2025**.

Logistics

All documents provided by the Contractor must be in MS Word or compatible software; tables must be in Excel format or compatible; figures and pictures must be in JPEG or TIFF format or compatible. Tagging data will be included in the ICCAT tagging database. All documents submitted must be in English.

Copyright

All the material produced by the Contractor will remain the property of the ICCAT, will be kept confidential, and cannot, in any case, be circulated by the Contractor. The scientific use of the data by the Contractor will always be notified to ICCAT in advance for clearance.

For further information concerning this Call for Tenders, please contact the ICCAT Secretariat [here](mailto:info@iccat.int).



Annex 1

Table 1. Number of fish released, recovered and percentage of recoveries by species.

<i>Species</i>	<i>No. released</i>	<i>No. recovered</i>	<i>% Rec</i>
Bigeye tuna (BET)	24092	4941	20.5
Yellowfin tuna (YFT)	7832	585	7.5
Skipjack tuna (SKJ)	46892	3540	7.5
Wahoo (WAH)	281	2	0.7
Little tunny (LTA)	40332	8094	20.1