

**Contract Report
for
MSE Modelling Coordinator (GBYP) of the Atlantic-wide Research Programme on Bluefin
Tuna (ICCAT GBYP – Phase 5)**

A short-term contract for modelling approaches in support of Bluefin Tuna Assessment

**by
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February 21, 2016**

The final deliverable of the subject contract includes 1) the Report of the 2nd Meeting of the ICCAT GPYP Core Modelling and MSE Group, 21-23 January 2016, Monterey, CA and 2) a final summary report with review of work done and workplan for the next Phase. Due to the late date at which the 2nd Meeting of the Core Modelling and MSE Group (CMMG) was held, with the concurrence of the GBYP Coordinator these tasks were combined in this report (Deliverable 4). Additionally, with the guidance of the SCRS Chair and GBYP Coordinator, the “MSE Modelling Workshop” was not held. Appropriate tasks related to such a workshop were subsumed within the 2nd Meeting of the CMMG. Thus, the attached report addresses Deliverable 3, as well.

All of the tasks required by these deliverables are encompassed in the Report of 2nd Meeting of the CMMG with the exception of the budget proposal. The Meeting Report is attached and, thus, details are not repeated here. The 2nd Meeting reviewed the specifications required of the Operating Model (OM) based upon Annex 3 and developed the workplan for 2017-2018. The agreement is that the Annex will be modified based on the meeting results so that there is one technical document for use by the GBYP MSE Technical Expert, Members of the CMMG and cooperating scientists both within the SCRS and from independent institutions. This assures consistency in the model framework as cooperators develop candidate Management Procedures (MPs).

Proposed Budget and Workplan

The workplan (included in the attached report) has been translated into a budget proposal for the budget years 2016-2018 and that is given in the following tables.

Note that the tables refer to fiscal years. The GBYP fiscal year runs from February to February and therefore, the 2016 fiscal year starts February 22 of 2016 and runs through the same date of 2017. That fiscal year is the convention used for tasks in the following budget tables. Also, note that the proposal addresses GBYP Bluefin MSE tasks, specifically. It does not include associated costs of participation in the process by others such as the SCRS Chair and Secretariat staff. Nevertheless, their participation will remain important to the success of the process.

Fiscal Year 2016 (Cost estimates in US dollars USD)

Task	Cost in USD
Contracts	
GBYP MSE & Modelling Coordinator Contract	\$ 36,000
GBYP MSE Technical Expert Contract	\$125,000
External Review of Conditioning Code Contract	\$ 24,000
Travel and Per Diem	
Bluefin Data Preparatory Workshop July 2016 in Madrid	
<i>Completion of specifications and initiation of simulation trials together with review of those trials.</i>	
GBYP MSE Technical Expert to attend	\$ 5,000
ICCAT Intersessional Meeting of Panel 2 July in Japan	
<i>Establish a dialog with the Commission on issues and decisions that the Commission will need to address.</i>	
GBYP MSE & Modelling Coordinator to attend	\$ 7,500
Species Working Group Meeting September in Madrid	
<i>Review conditioning code and report on progress.</i>	
GBYP MSE & Modelling Coordinator and GBYP MSE Technical Expert to attend	\$ 12,500
3rd Meeting of the ICCAT GPYP Core Modelling and MSE Group in Nov, Dec, Jan; venue to be determined	
<i>Review progress with the goal that by February 2017 (at the end of GBYP Phase 6) the modeling package will be completed by the GBYP MSE Modeler and distributed to volunteers to run trials of their candidate MPs</i>	
GBYP MSE & Modelling Coordinator and GBYP MSE Technical Expert to attend	\$ 12,500
Fiscal Year 2016 Total	\$222,500

Fiscal Year 2017 (Cost estimates in US dollars USD)

Task	Cost in USD
Contracts	
GBYP MSE & Modelling Coordinator Contract	\$ 36,000
GBYP MSE Technical Expert Contract	\$ 75,000
Travel and Per Diem	
4th Meeting of the ICCAT GPYP Core Modelling and MSE Group during the period Mar-June 2017	
<i>Review progress review of the trials and their conditioning, and possibly necessary modifications made in the light of those results. The meeting should take place early in 2017 and enable the development of a suite of meaningful scenarios to be used to initiate stakeholder involvement.</i>	
GBYP MSE & Modelling Coordinator and GBYP MSE Technical Expert to attend	\$ 12,500
Species Working Group Meeting September in Madrid	
<i>Review of results and scenarios for the consideration of the SCRS and their presentation of progress to the Commission at their annual meeting</i>	
GBYP MSE & Modelling Coordinator and GBYP MSE Technical Expert to attend	\$ 12,500
Fiscal Year 2017 Total	\$136,000

Fiscal Year 2018 (Cost estimates in US dollars USD)

Task	Cost in USD
Contracts	
GBYP MSE & Modelling Coordinator Contract	\$ 36,000
GBYP MSE Technical Expert Contract	\$ 75,000
Facilitator for Dialog Meetings	\$ 24,000
Travel and Per Diem	
ICCAT Delegation Dialog Meetings	
<i>Develop dialog between Commissioners and their delegations with key scientists working on Bluefin MSE issues; noting decisions that the Commission will need to address.</i>	
Participating scientists and/or facilitator to be selected	\$ 22,500
Species Working Group Meeting September in Madrid	
<i>A complete proposal with MSE options should be presented to the SCRS in September with the goal of communicating that to the Commission at their annual meeting</i>	
GBYP MSE & Modelling Coordinator and GBYP MSE Technical Expert to attend	\$ 12,500
Fiscal Year 2018 Total	\$180,000