

**Terms of Reference: Reporting for Tesco Aquaculture Scope 3 Status**

**Proposal:** The purpose of this report is to provide:

* An overview of carbon emission assessments used globally in farmed fish and shrimp species supplied by approved, indirect producers into Tesco: Salmon (Salmo salar), Rainbow Trout (Oncorhynchus mykiss), Sea Bass (Dicentrarchus labrax), Sea Bream (Sparus aurata), Pangasius (Pangasius bocourti), Whiteleg shrimp (P. vannamei), Tiger prawn (P. monodon), Mussels (Mytilus spp.) and Oyster (Crassostrea gigas).
* An assessment of how Tesco approved suppliers measure and record their carbon footprint (from feed mill to primary processing) currently (specify method) and if they have clear targets to achieve carbon emission reductions and by when.
* Explore which method of measuring and recording carbon emissions through all steps along the supply chain is the most effective for each of our farmed species considering production method (intensive vs extensive).
* Identify a strategy for Tesco’s indirect suppliers on the most effective method to measure and record carbon emissions and to highlight key actions for suppliers to achieve Tesco carbon reduction targets

**Introduction**

Tesco has agreed targets to reduce the carbon footprint of its own business as well as the direct and indirect supply base. Scope 3 is focusing on the reduction of carbon emissions of the indirect supply chains.

Animal feed as well as farming were identified as key areas for carbon emission reductions to achieve the targets set. So far, the focus of Tesco is terrestrial farming. However, farmed fish and seafood are a big part of all seafood sold in Tesco and seen as one of the few proteins of which consumption should increase.

Tesco is the UK’s biggest fishmonger, sourcing from more than 150 wild and farmed sources a year. Farmed seafood (finfish, shrimp and bivalves) was approximately 45% percent of the total seafood sold by Tesco in 2020. Although, aquaculture is generally seen as a sector with comparably low carbon emissions, it is vital to engage with the sector and establish the same roadmaps and targets as done in terrestrial livestock.

There is a clear lack of available information on carbon emissions for different fish and shrimp species, country of origins and production methods in general. This project will provide an overview of carbon emission assessments used in Salmon, Rainbow Trout, Sea Bass, Sea Bream, Pangasius, Whiteleg shrimp and Tiger prawn, including different production methods. With the goal to assess which method of measuring and recording carbon emissions is the most effective one.

Tesco is currently requesting carbon emissions from all direct suppliers; however, we have no visibility on the carbon emissions of the indirect suppliers into Tesco. Therefore, it is crucial to establish if/how Tesco approved indirect suppliers of farmed fish and shrimp species measure and record their carbon footprint currently and if they have clear targets to achieve carbon emission reductions and by when.

The final report of this study will allow us to understand which method of measuring and recording carbon emissions is the most effective, if and how current approved indirect suppliers of farmed fish and shrimp measure and record carbon emissions and if they have clear targets to achieve carbon emission reductions established and by when.

This enables Tesco to establish a strategy for the indirect supply base on how carbon emissions should be measured and recorded, and which carbon emission reduction plans should be in place. This is crucial for Tesco to deliver on the ambition on scope 3 of the carbon emission reduction targets.

**Aim**

To understand which assessments of carbon emissions are used in general in farmed fish and shrimp species (sourced by Tesco), including production method. With the goal to assess which method of measuring and recording carbon emissions is the most effective for each farmed fish and shrimp species and production method and use the findings to advocate for alignment in the sector. The second part will provide an overview if and how current approved secondary suppliers of farmed fish and shrimp species into Tesco measure their carbon emissions and if they have clear targets to achieve carbon emission reductions established and by when.

The report will be used to identify how Tesco’s indirect supply base for farmed fish and shrimp should measure and record their carbon emissions and which reduction plans they should have in place. The output would help create supplier action plans to improve status on measuring, reporting as well as reduction plans.

**Objectives**

The objectives of the report are:

1. Create an **overview** of carbon emission assessments used globally in these farmed fish and shrimp species: Salmon, Rainbow Trout, Sea Bass, Sea Bream, Pangasius, Whiteleg shrimp and Tiger prawn, sourced by Tesco.
2. Assess how Tesco approved **suppliers**:
	1. measure and record their carbon footprint currently (specify method)
	2. have clear targets to achieve carbon emission reductions and by when.
3. Assess which **method** of measuring and recording carbon emissions is the most effective for each of our farmed species considering production method (intensive vs extensive).
4. Identify a **strategy** for Tesco’s indirect supply on:
	1. Indicate the most effective method to measure and record carbon emissions
	2. Highlight key actions for suppliers to achieve Tesco carbon reduction targets

**Scope**

The report will focus on general measurement and recording of carbon emissions for farmed fish and shrimp species supplied into Tesco, as well as assess the carbon emission measurement and recording of Tesco’s farmed fish and shrimp supply chains. The consultant will be provided with the fish and shrimp species of interest and the contact details Tesco’s approved fish and shrimp suppliers.

**Consultant identification**

Interested consultants should submit a project proposal by **Nov 30 2021** and clearly outline the proposed methodologies and how they meet all the objectives listed in the “Objective” section. The proposal should be 3-4 pages of A4 (not including CVs) and present the timeline, resources allocation on delivering the final report, any previous relevant experience along with CVs and references to previous work. Please also include a rate card as well as a break down of the cost.

**Deliverables**

The consultant will produce a technical report to complete the objectives listed above. The report will include technical components, a full description of the data used and any uncertainties/limitations surrounding the accuracy of the data highlighted.

The consultant will deliver a report of sufficient quality and depth so that the aims and objectives of the project are answered. The final report and the data will be owned by Tesco but attributed to the contractor.

The consultant will need to keep strong communication with the project managers.

**Timeframe and payment schedule**

It is expected the project will be completed in 3 months.

Payment will be scheduled based on the receipt and approval of the final report. The guidance budget is £10,000.00. An NDA has to be signed before the project can start between Tesco, WWF and the consultant.