

## Details

RFx ID : 25977723  
Tender Name : PRO2022-01 Hoiho multi-threat risk assessment  
Reference # : O - PRO2022-01 (406834)  
Open Date : Monday, 27 June 2022 2:00 PM (Pacific/Auckland UTC+12:00)  
Close Date : Monday, 25 July 2022 2:00 PM (Pacific/Auckland UTC+12:00)  
Department/Business Unit : Fisheries New Zealand  
Tender Type : Request for Proposals (RFP)  
Tender Coverage : Sole Agency [?]  
Categories : - 70000000 - Farming and Fishing and Forestry and Wildlife Contracting Services  
Regions: - New Zealand  
Exemption Reason : None  
Required Pre-qualifications : None  
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Alternate Physical Delivery Address :  
Alternate Physical Fax Number :

## Overview

### Overall Objective:

Using the outputs from PSB2020-04, PSB2020-05, and PSB2020-06, conduct a multi-threat risk assessment of the mainland population of hoiho (yellow-eyed penguin, *Megadyptes antipodes*).

### Specific Objectives:

1. Construct population models for yellow-eyed penguin at the appropriate colony/sub-population where possible within data availability constraints.
2. Map fishery and non-fishery threats to yellow-eyed penguins and estimate the overlap between penguin distributions and threats.
3. Apply the SEFRA method to estimate fisheries impact and risk to yellow-eyed penguins, using the new information from specific objectives 1 and 2 above, including at a regional sub-population level. This analysis should include estimation and partition of total mortalities attributable to different threats (with uncertainty) at a regional sub-population level.
4. In consultation with government scientists and managers, examine alternative spatial management scenarios through both modelling and participation in a multi-threat risk assessment workshop.
5. Broader outcomes.