

# **Adapting Tuna-dependent Pacific Island Communities and Economies to Climate Change**

## **Annex 16. Maps**

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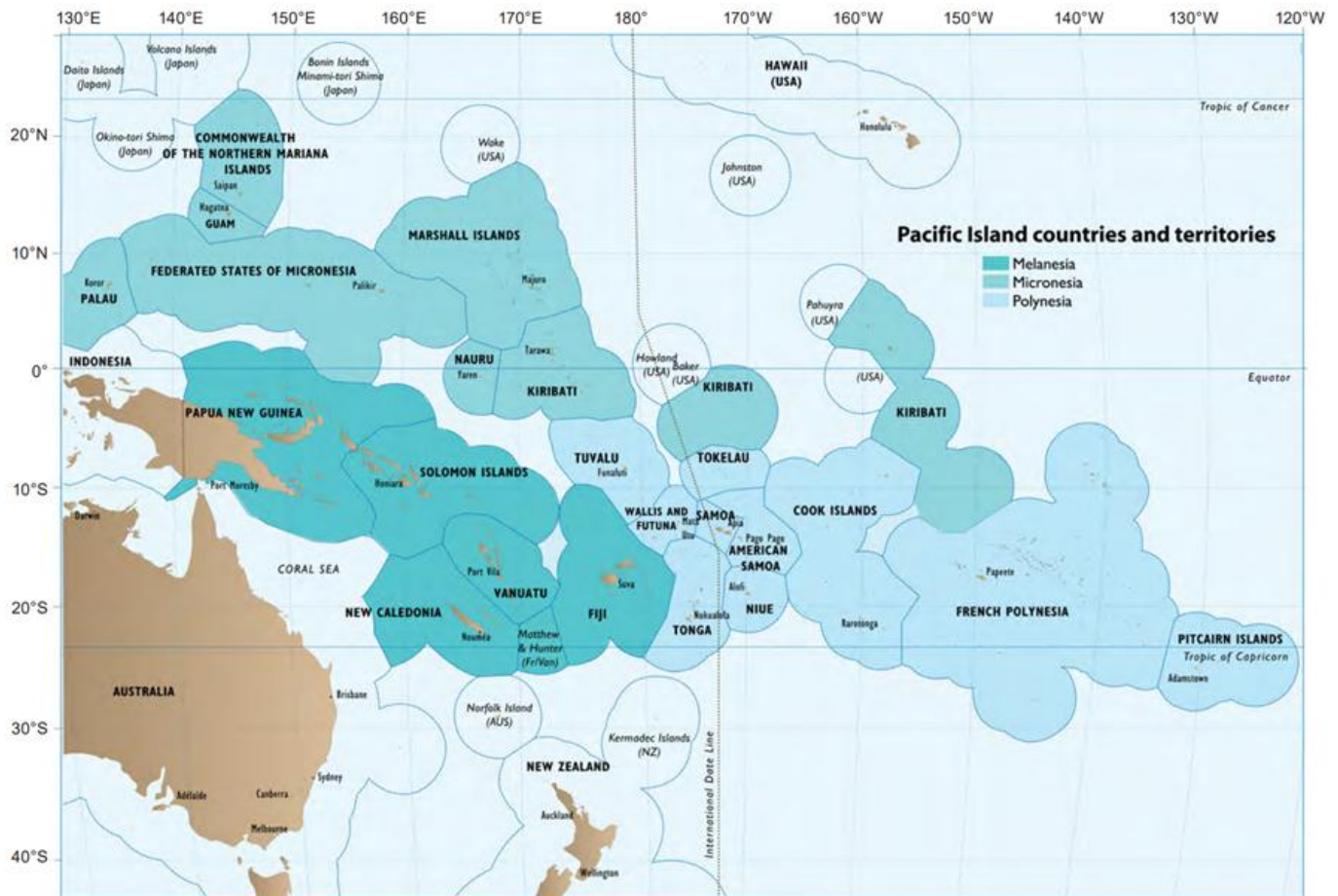


Figure 1. The Oceania region of the Western and Central Pacific Ocean, with the ethno-geographic and cultural sub-regions of Melanesia, Micronesia and Polynesia. Note that this map is indicative only of agreed and potential maritime boundaries between Pacific Island countries and territories. It does not reflect the claims of the countries and territories to offshore areas.

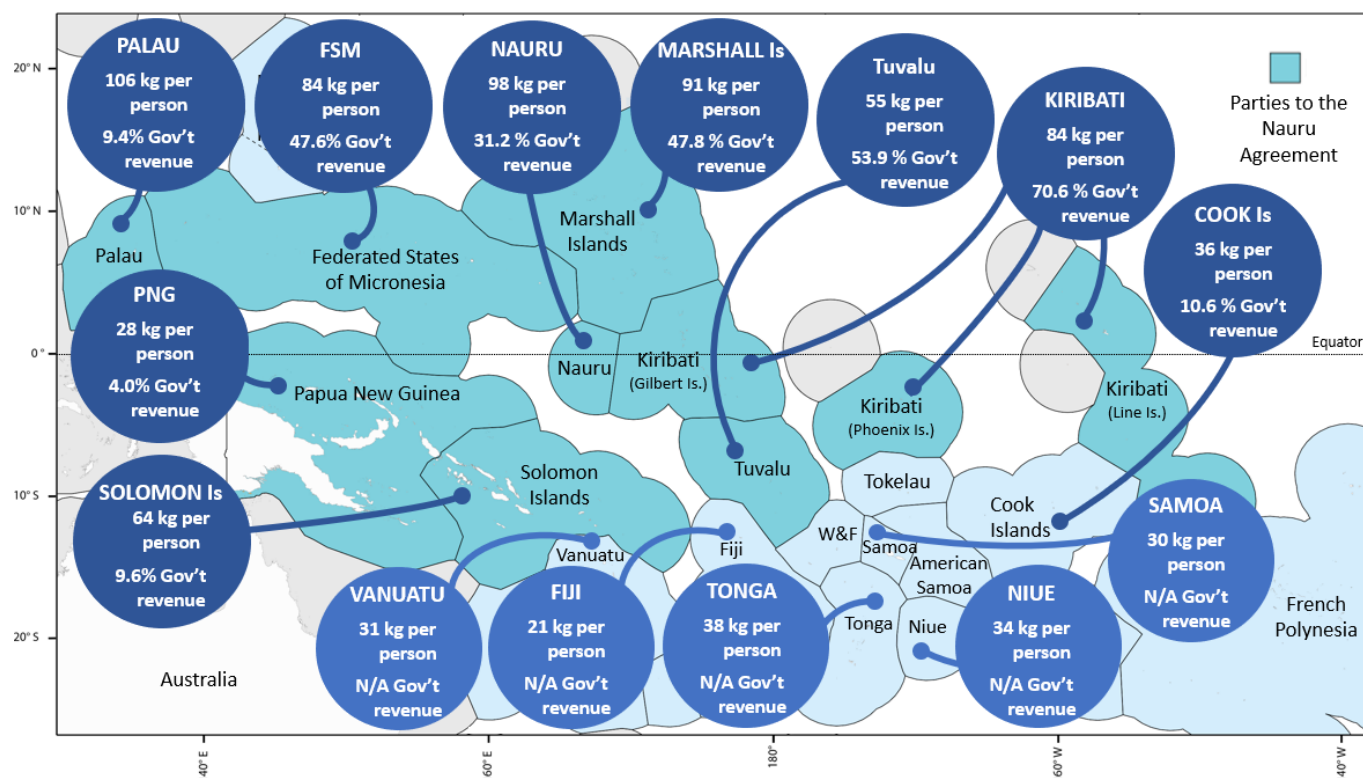


Figure 2. Summary of socio-economic benefits derived from tuna by country: annual average national fish consumption per capita (kg whole fish weight)<sup>1</sup>, and the average percentage contribution of tuna-fishing access fees to (non-aid) government revenue (2015–2018),<sup>2</sup> in the 14 Pacific Island countries participating in the Regional Tuna Programme.

<sup>1</sup> Annex 26, Technical Study 2 (Table 17), and Bell, J.D. et al. 2009. Planning the use of fish for food security in the Pacific. Marine Policy 33:64-76. <https://www.sciencedirect.com/science/article/abs/pii/S0308597X08000778>

<sup>2</sup> Bell, J.D. et al. 2021. Pathways to sustaining tuna-dependent economies during climate change. Nature Sustainability 4, 900-910. <https://www.nature.com/articles/s41893-021-00745-z>

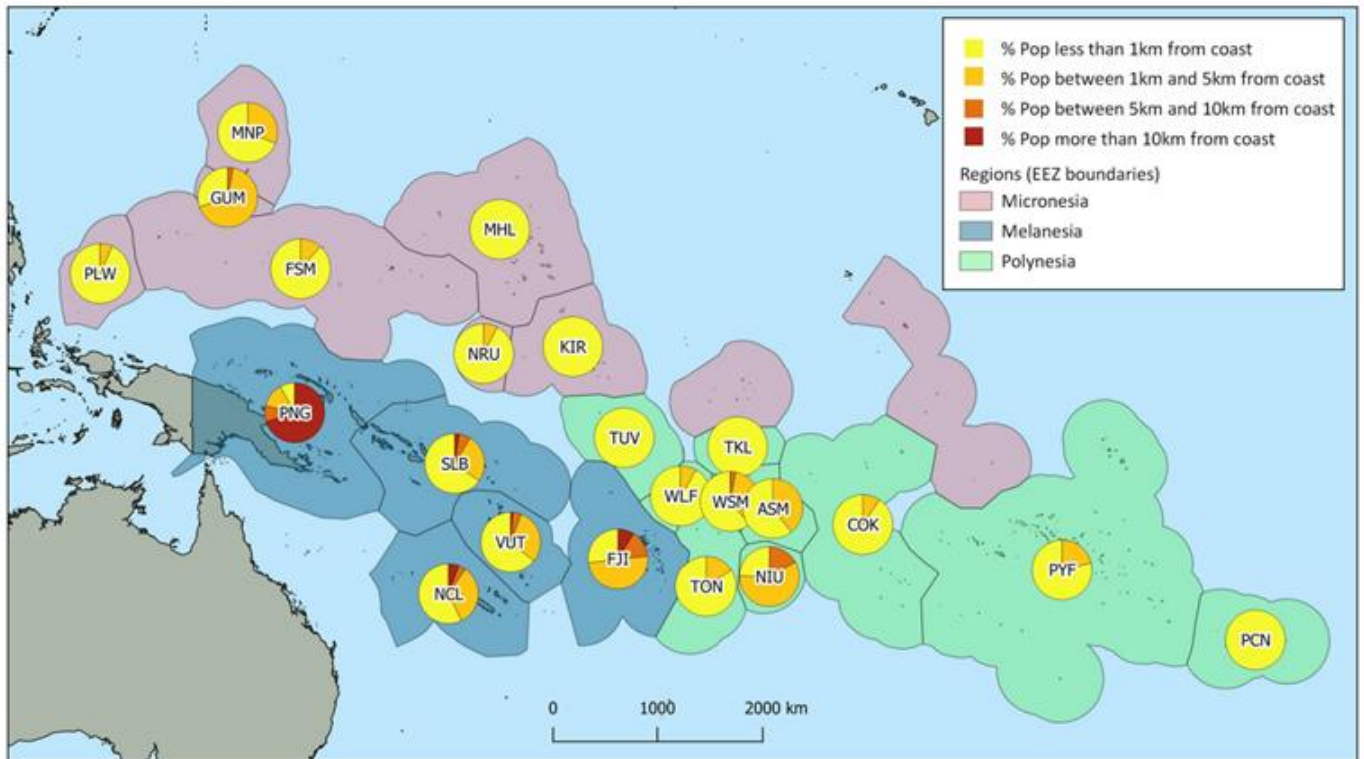


Figure 3. Proportions of households within 1, 5 and 10 km from the coast in Pacific Island countries and territories.<sup>3</sup>

<sup>3</sup> Andrew, N.L., Bright, P., de la Rua, L., Teoh, S.J. and Vickers, M. 2019. Coastal proximity of populations in 22 Pacific Island countries and territories. PLoS ONE 14(9): e0223249. <https://doi.org/10.1371/journal.pone.0223249>

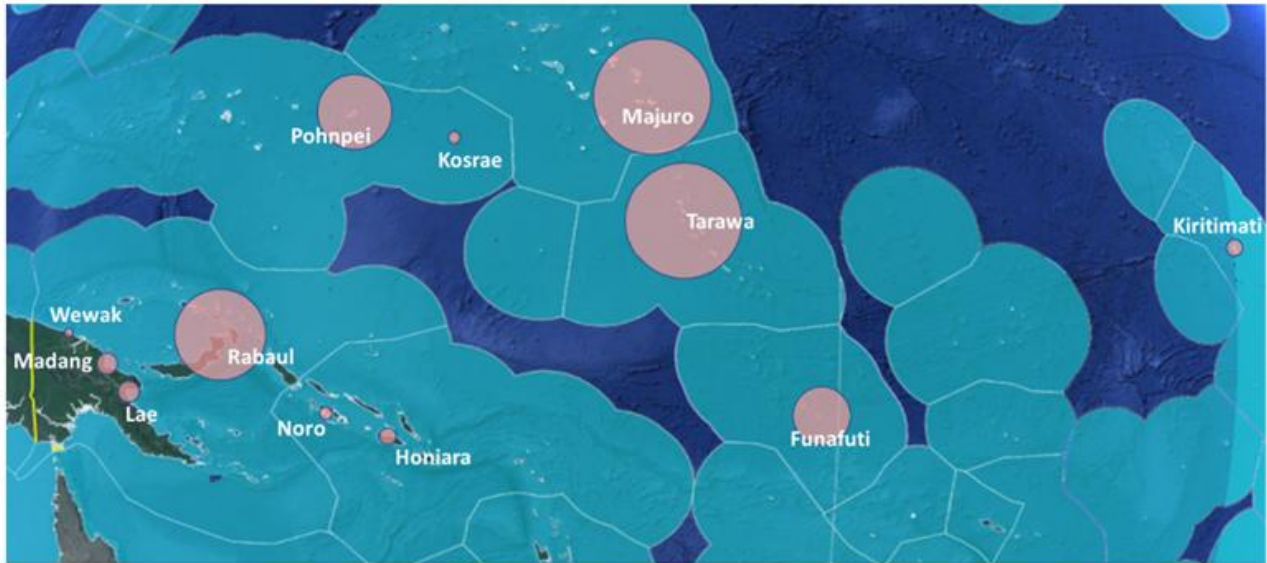


Figure 4. The main ports used for transshipment and landing of tuna catch in the Pacific Island region (the size of the circle reflects the average volume of tuna transhipped or landed per year for the period 2017 to 2021).<sup>4</sup>

<sup>4</sup> MRAG Asia Pacific. *in prep.* Adapting tuna-dependent Pacific Island communities and economies to climate change: Existing and future needs and conditions for distributing tuna bycatch to urban and peri-urban areas (GCF Technical Study 5). Report prepared for the Pacific Community. 44 pages. <https://purl.org/spc/digilib/doc/5t6n9>