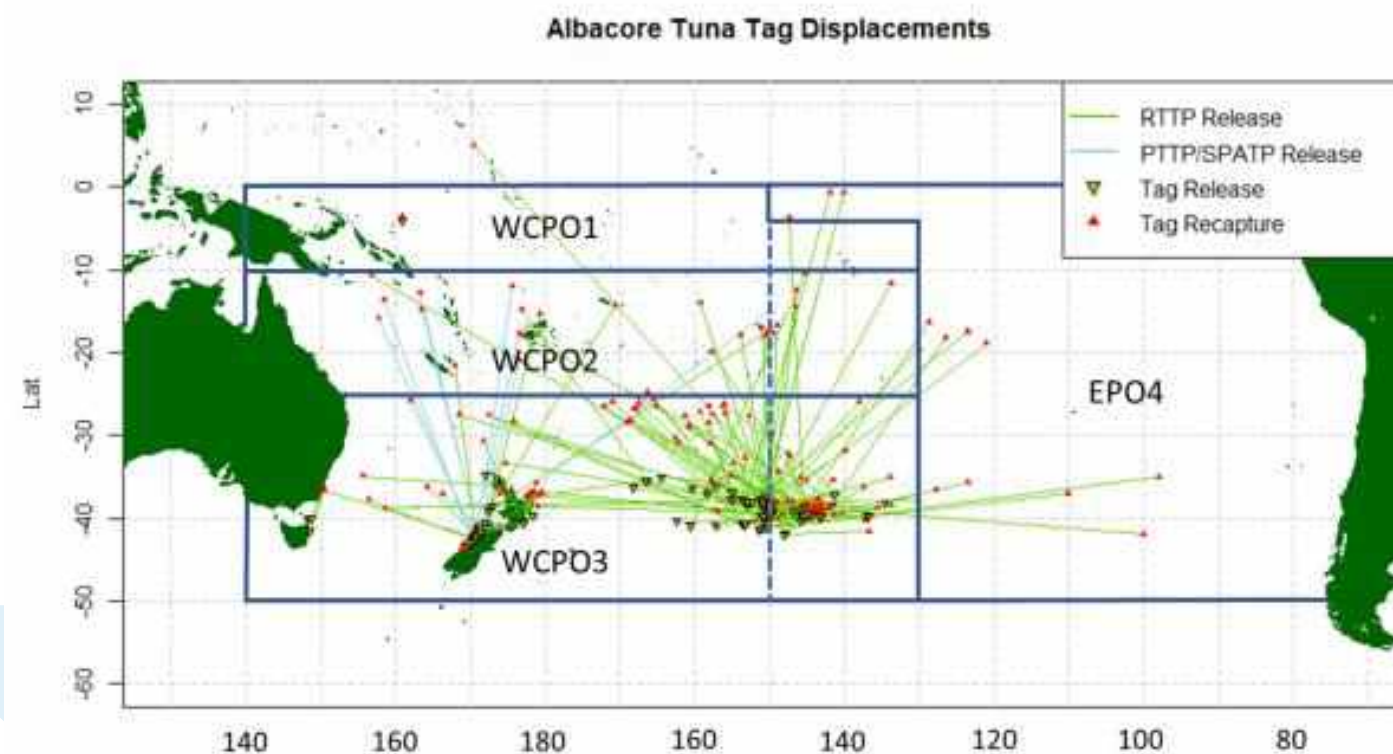
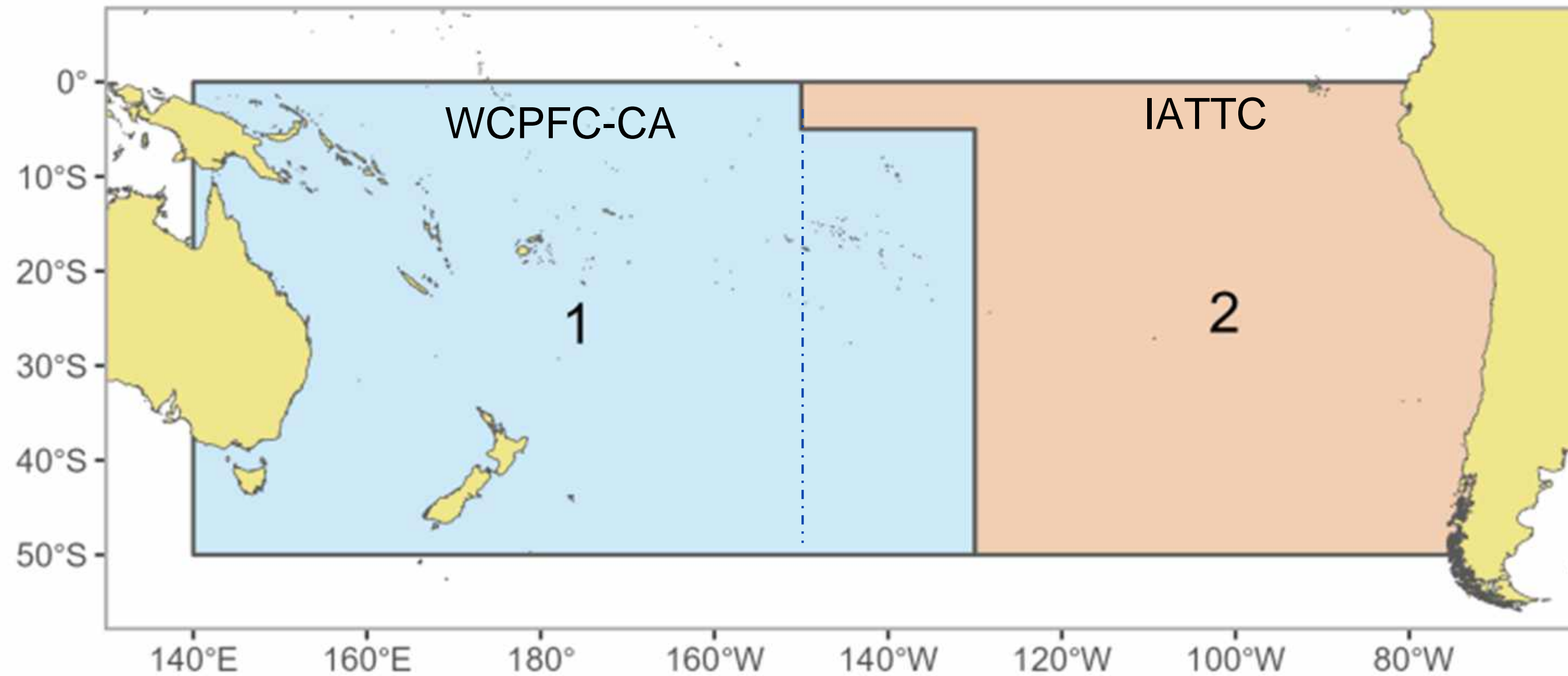


South Pacific albacore stock status

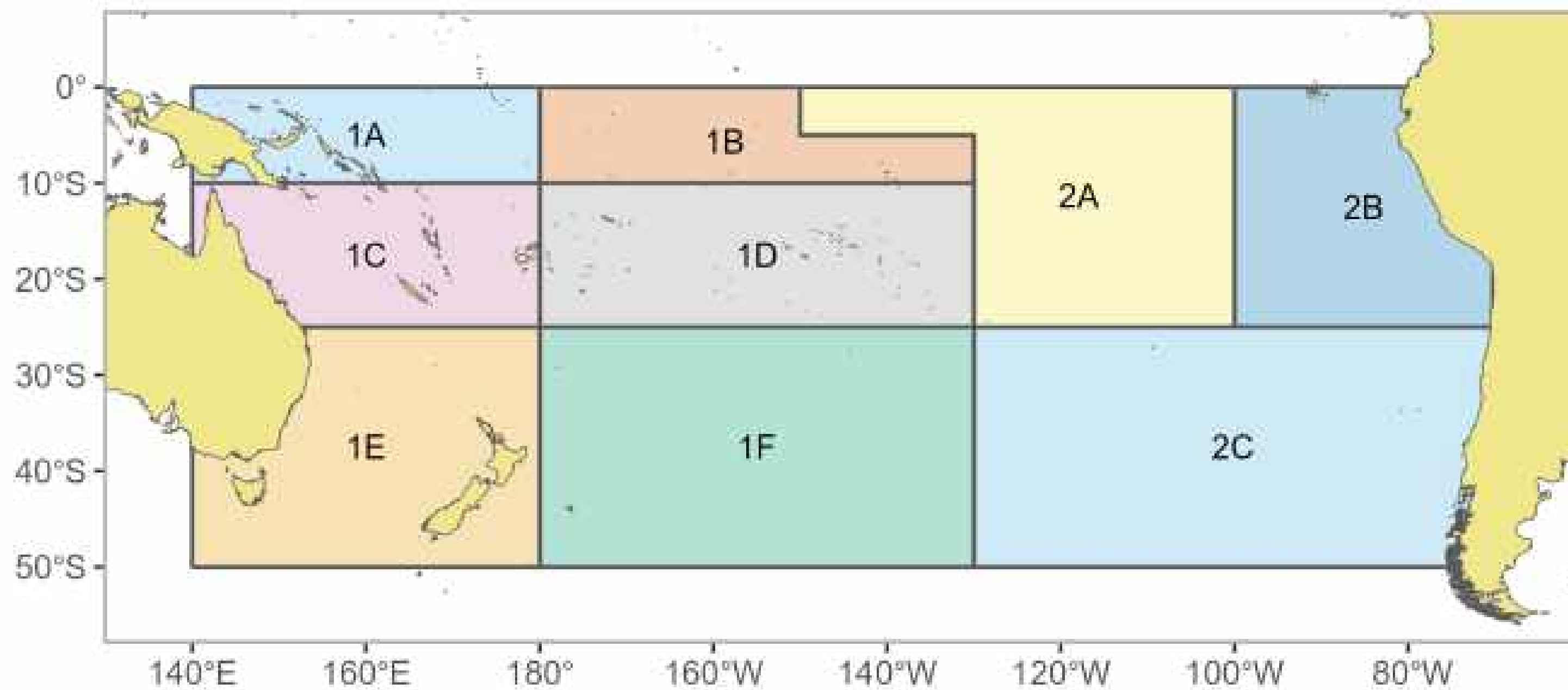
SPAJWG01 – Agenda item 4.1
18-19 March 2026



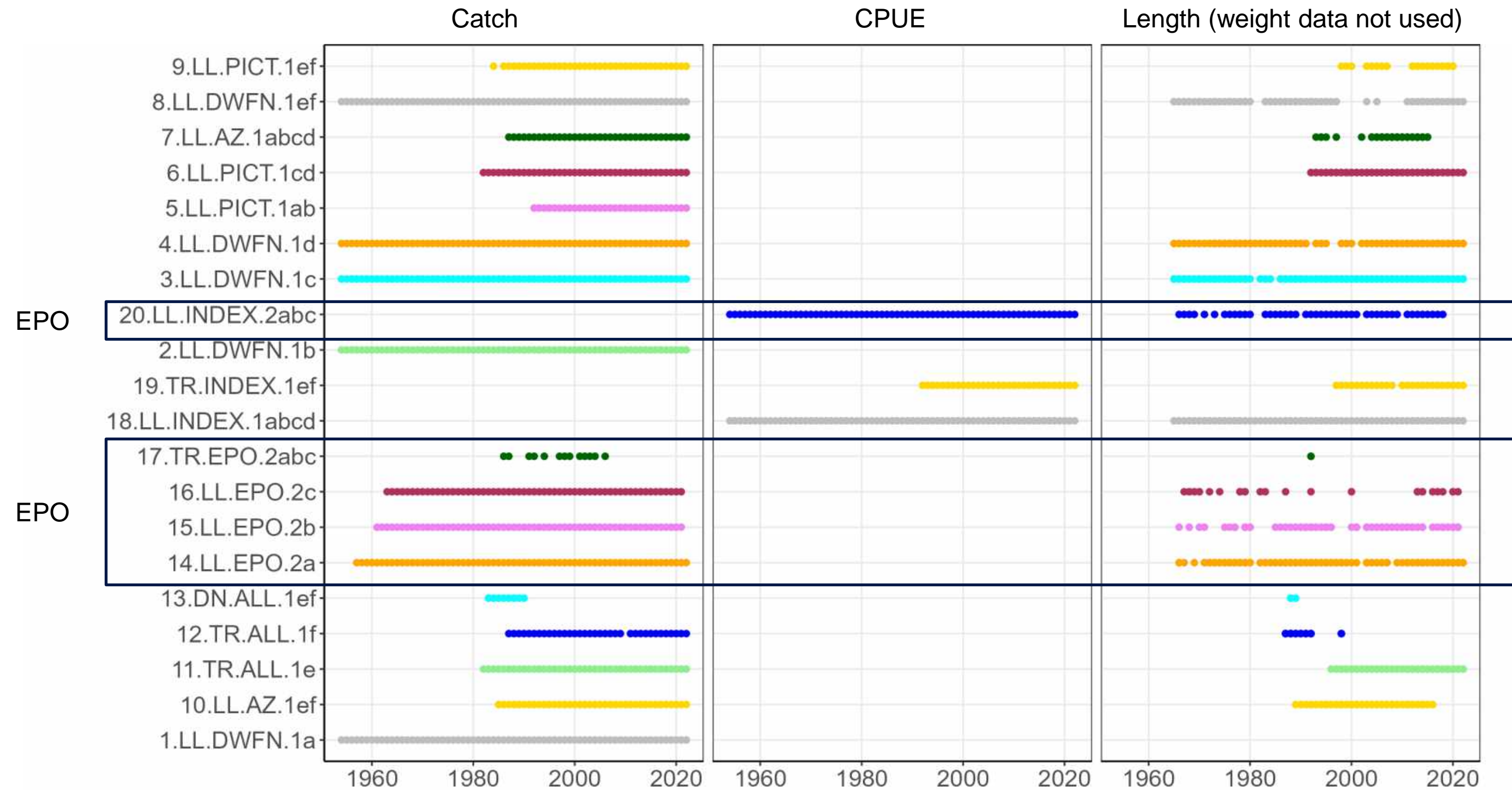
Stock assessment regions: 2024 assessment



2024 Sth Pac Alb assessment
Teears et al. 2024

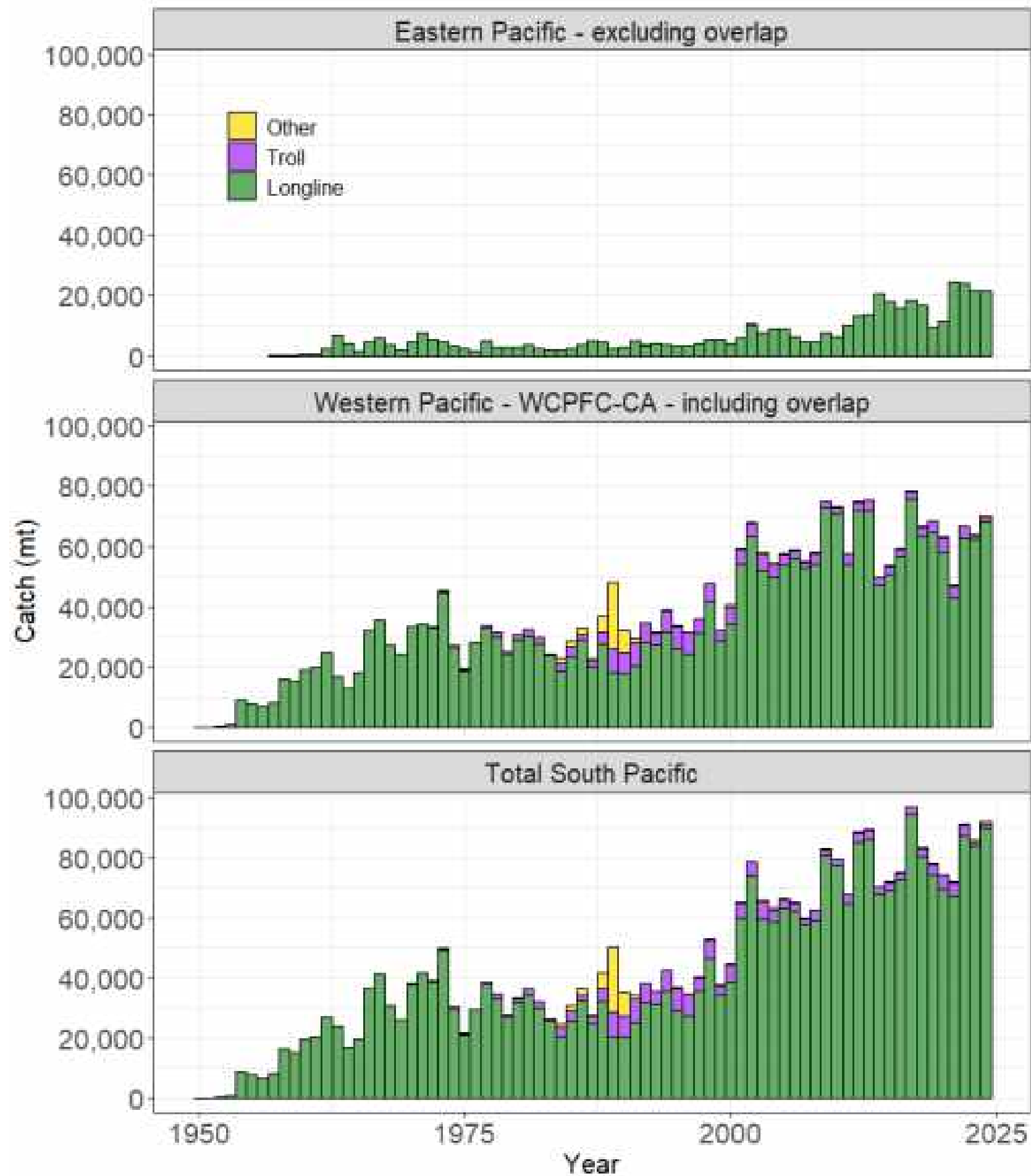


Multifan-CL integrated assessment



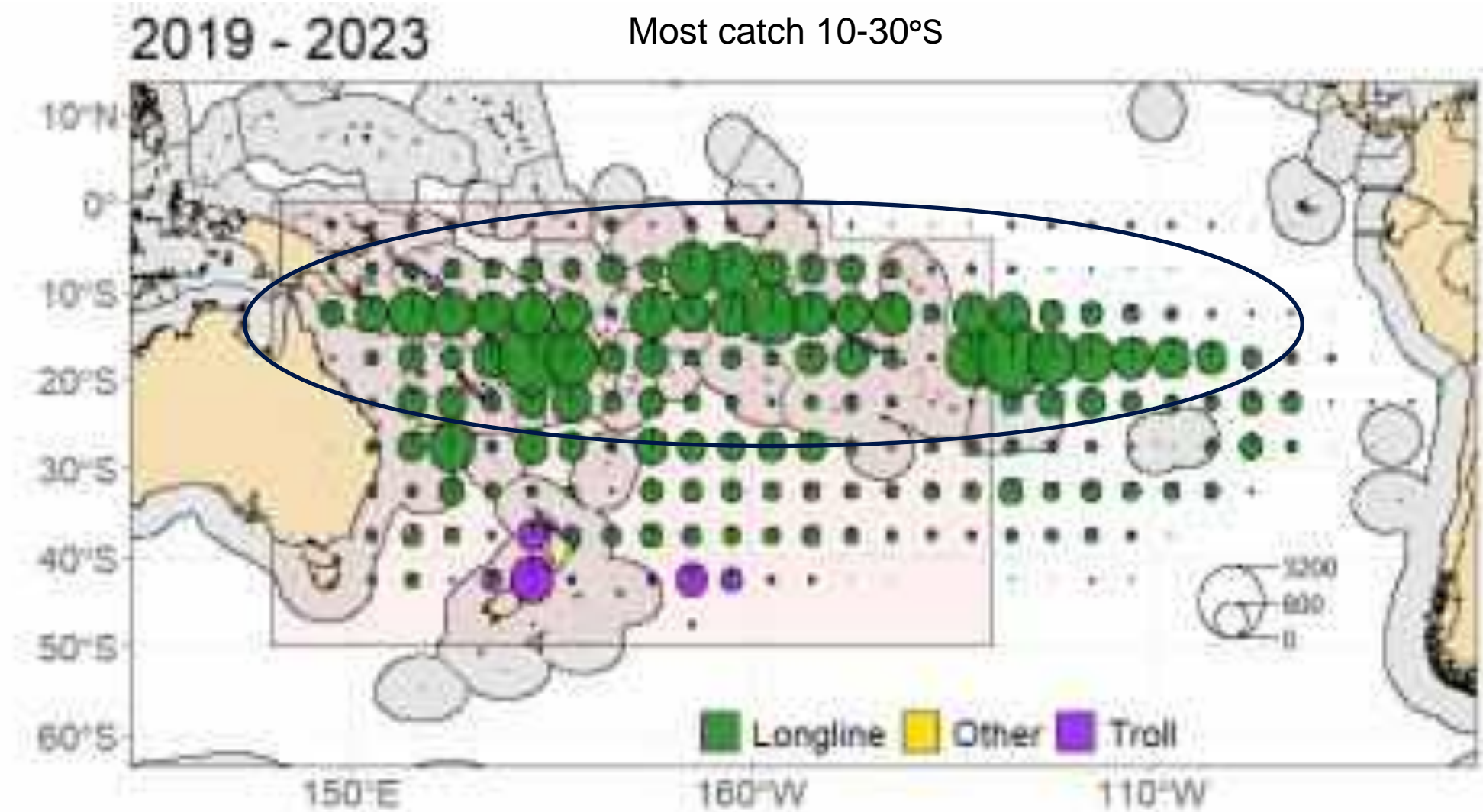
Data: 1954 - 2022

Catches

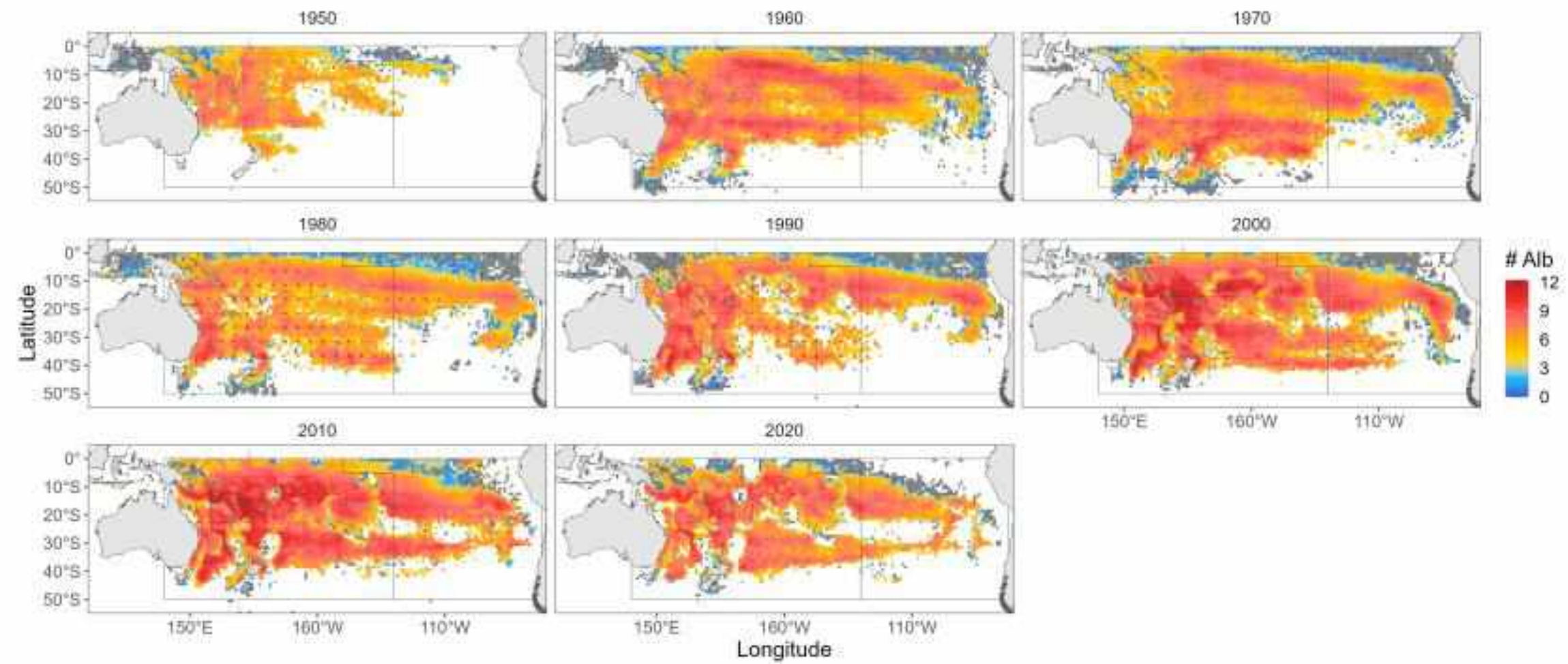


Recent

- Total south Pacific approx. 95,000 mt in 2024
- WCPFC-CA (include overlap) approx. 72,000 t in 2024
- IATTC (exclude overlap) approx. 23,000 mt in 2024
- Overlap approx. 12,000 mt in 2024

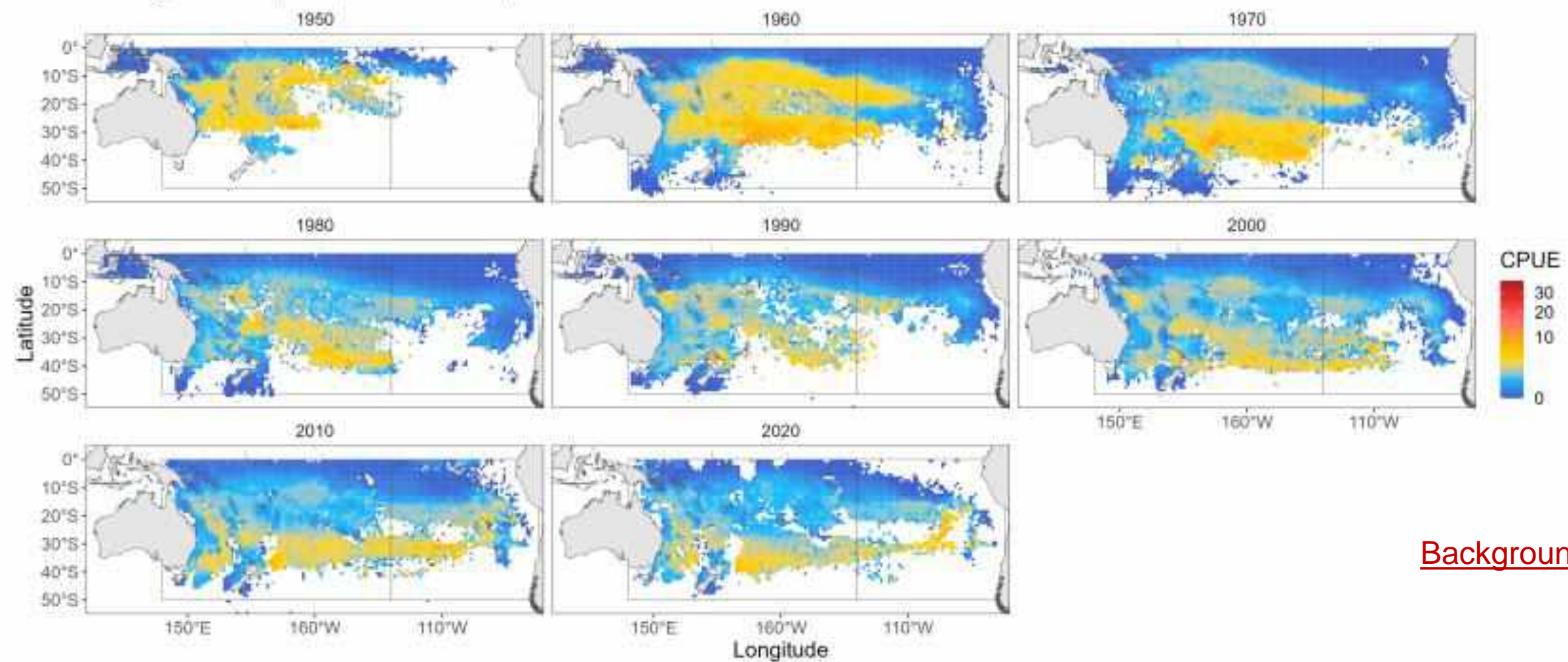


Total longline catch (log scale)



Catch

Average CPUE (# alb per 100 hooks)



Catch per unit effort

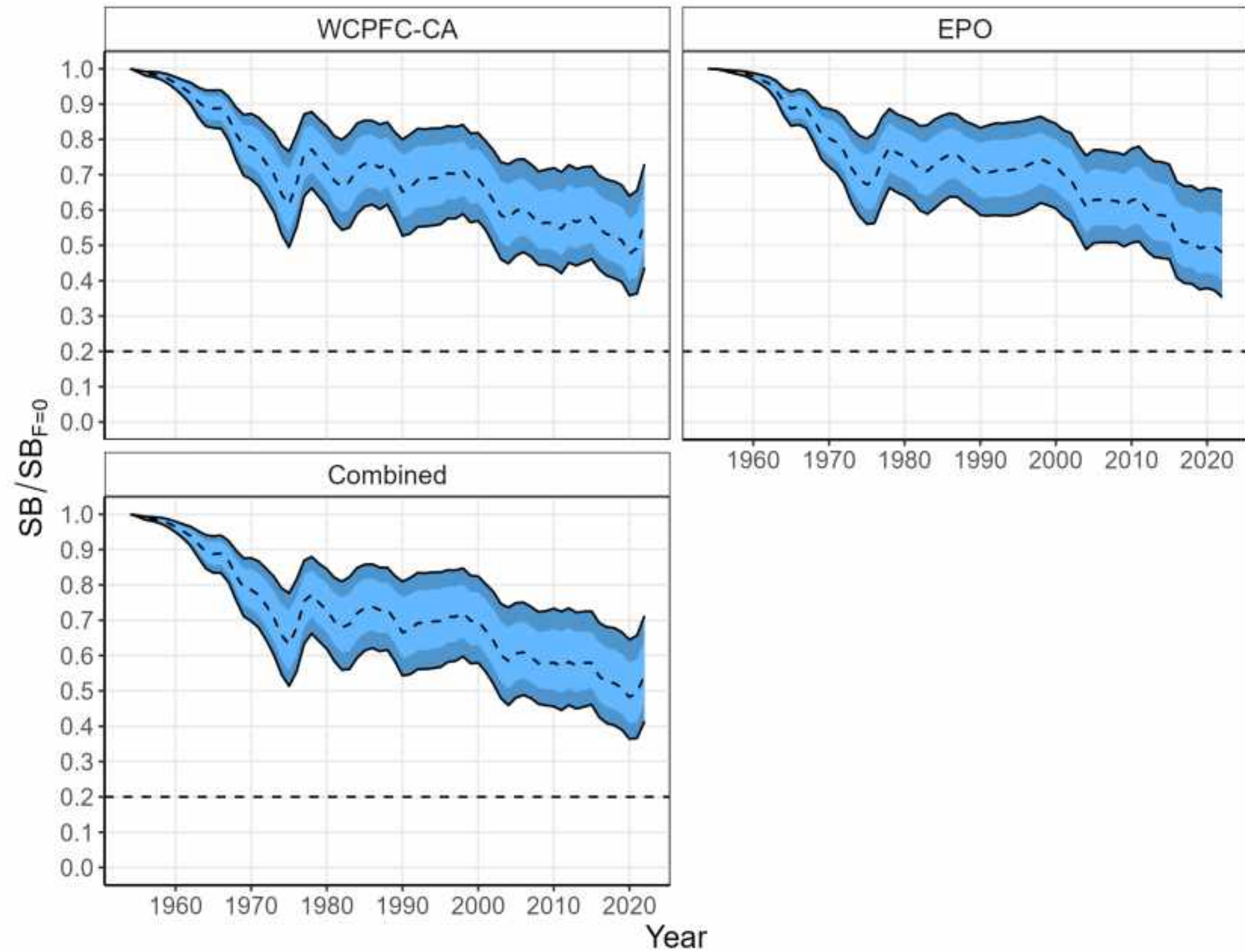
Uncertainty

- 12 x sensitivity analysis: CPUE indices and effort creep, NZ troll data, recruitment distribution, data weightings (age-length data), implausible/extreme movement scenarios, number of model age classes, selectivity and catchability time blocks, alternative growth model, M, steepness.

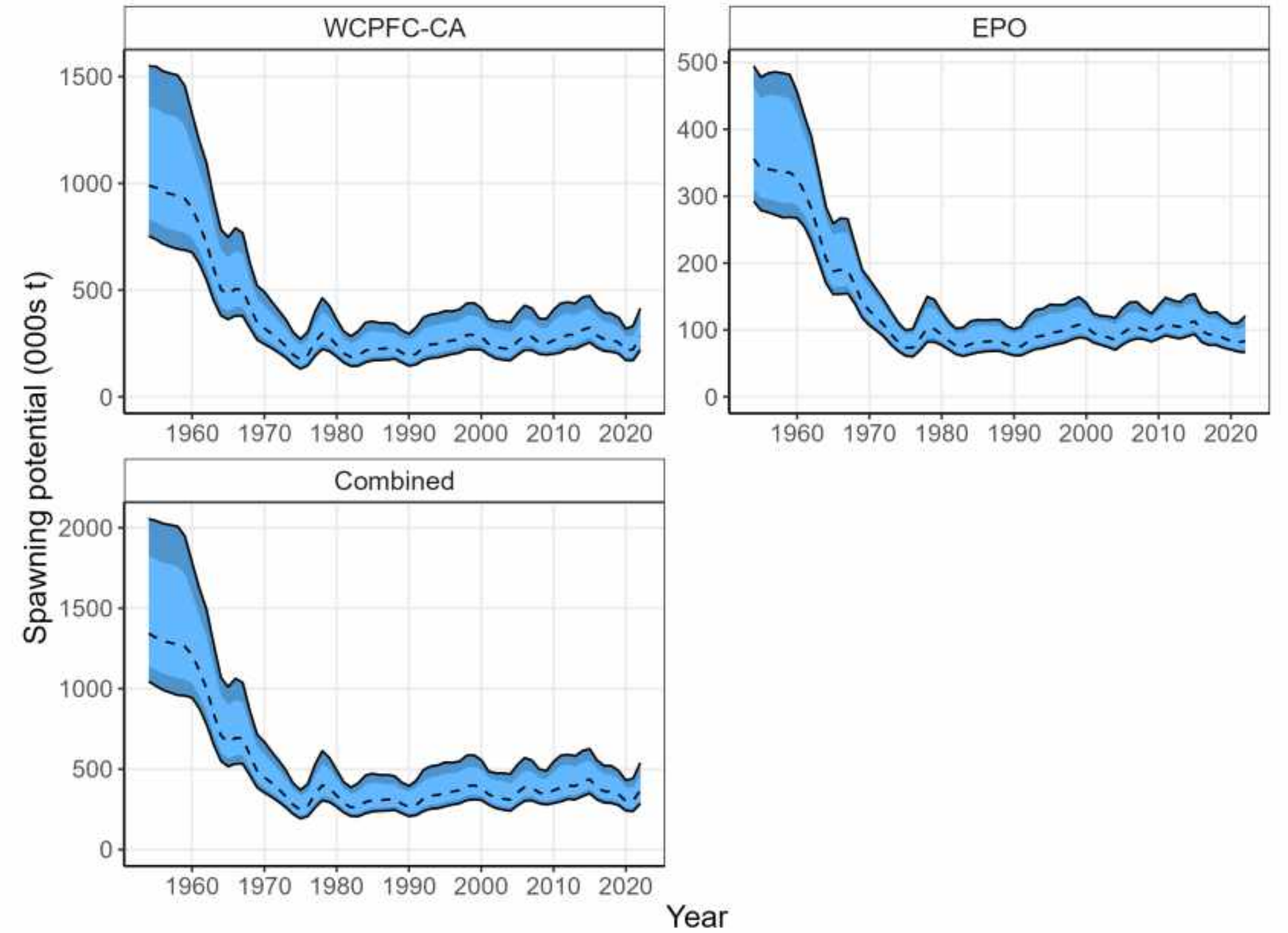
Final model ensemble for management advice:

- Movement between region 1 (WCPO inc. overlap) and 2 (EPO) based on SEAPODYM (MFCL model could not estimate this with sensible results)
- Prior distributions of M (natural mortality scalar) and stock recruitment steepness
- Monte Carlo model ensemble – 100 models

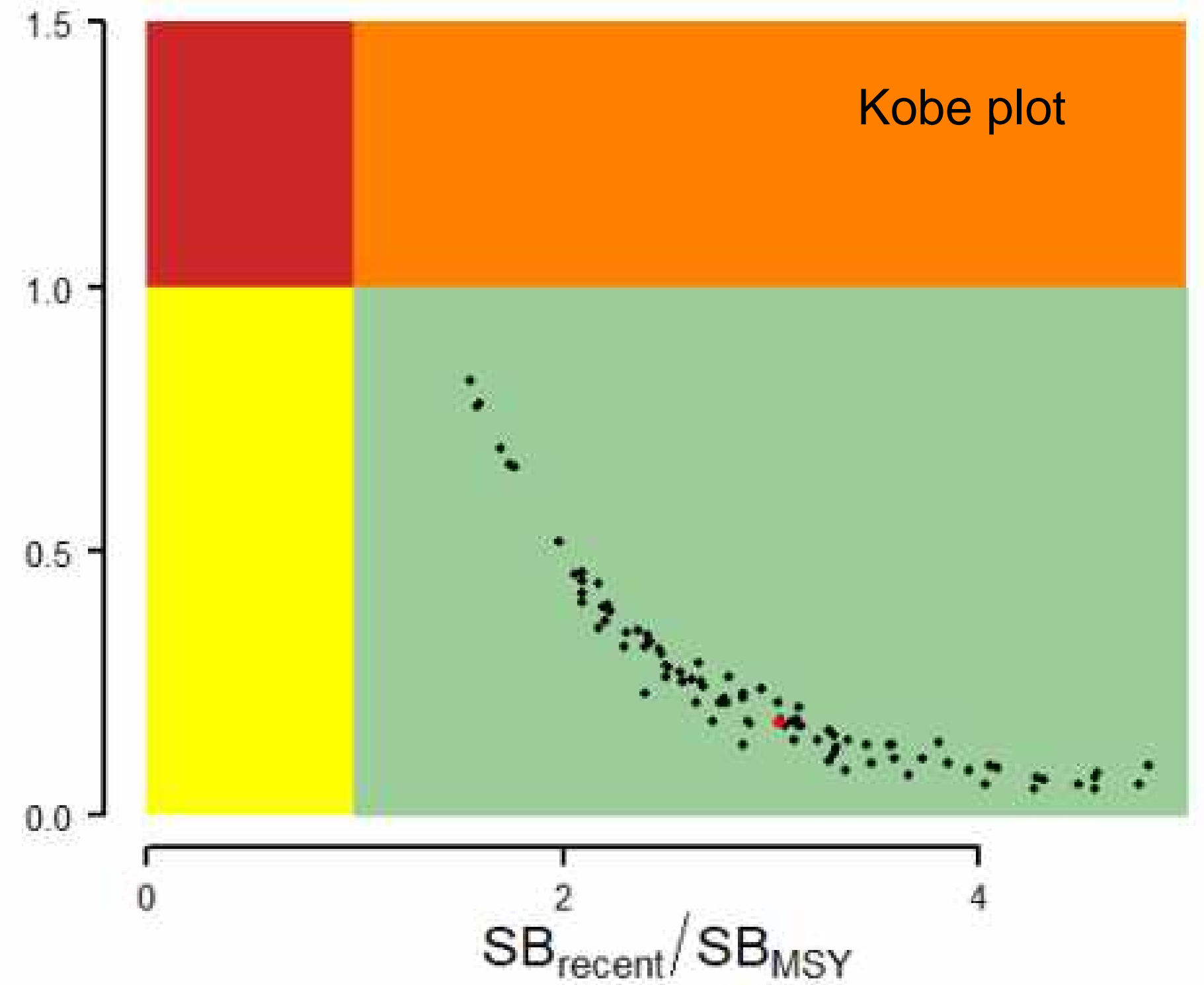
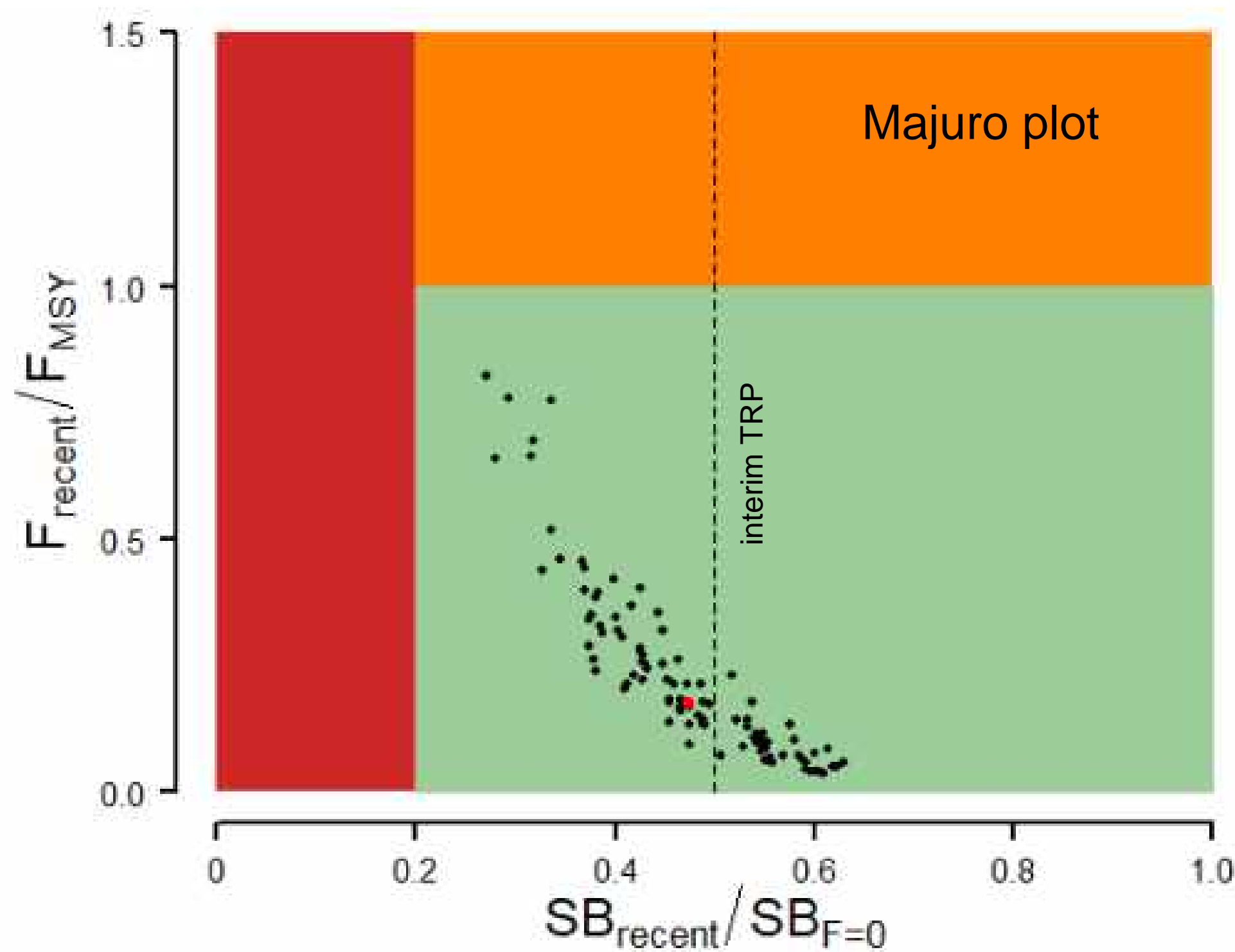
Depletion (SB/SBF=0)



Spawning biomass

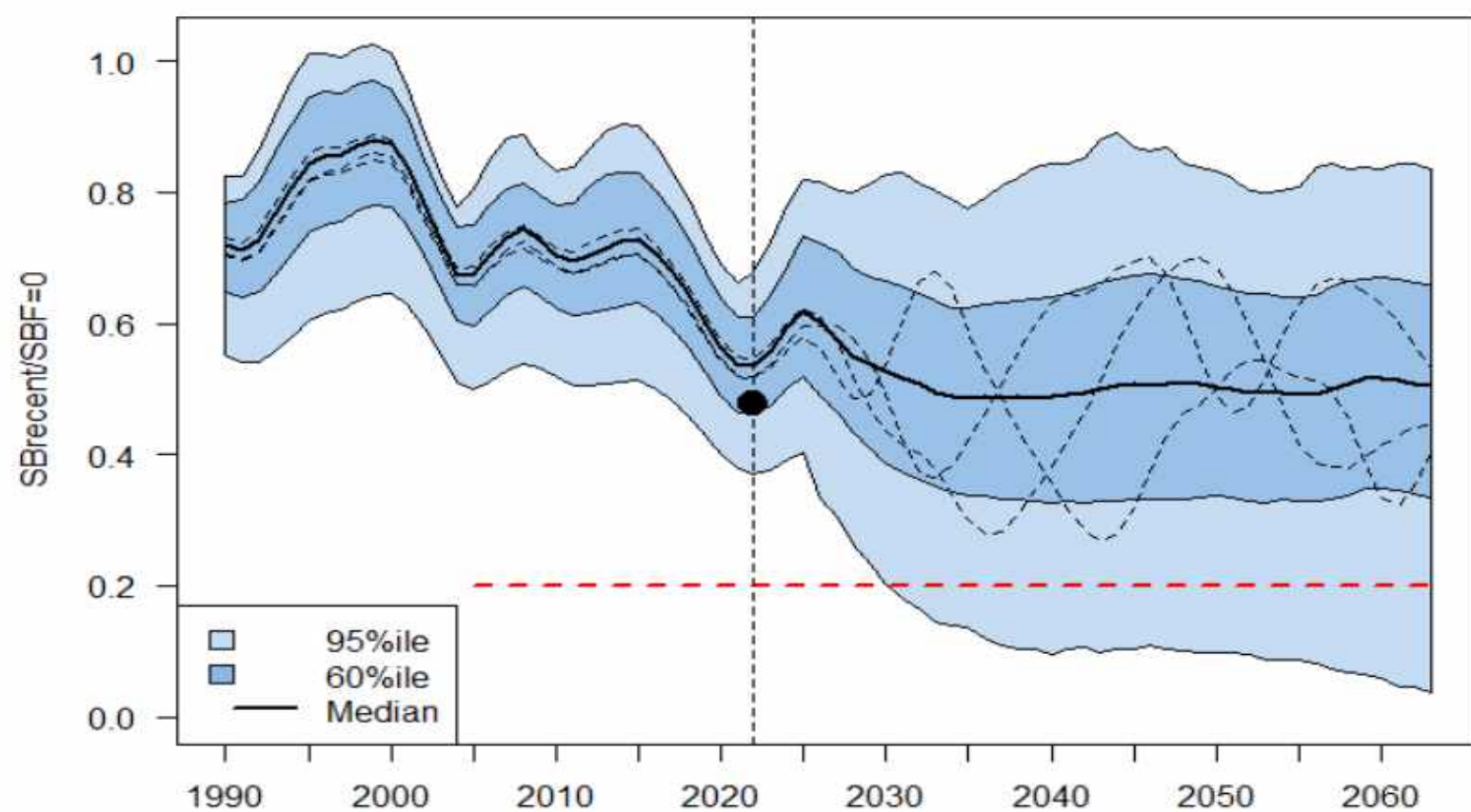


Stock status summaries: South Pacific wide

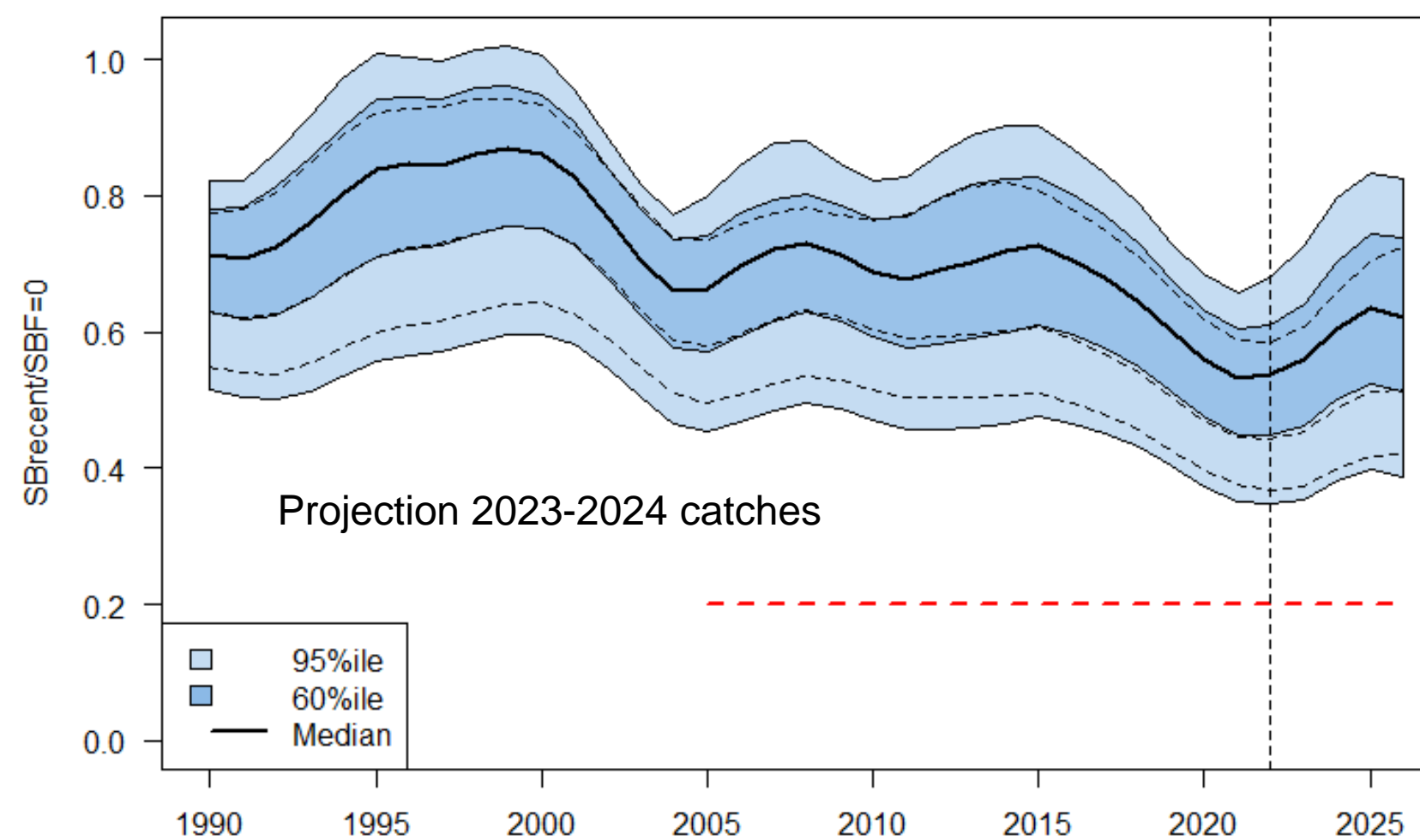


- South Pacific albacore not overfished, overfishing not occurring, median AB depletion close to the iTRP
- Specific assessment results are also provided for WCPFC-CA only (we do not provide specific EPO status)

Projections (updated in 2025)



- The projections indicate that median WCPFC-CA $SB_{2023-2026}/SB_{F=0} = 0.62$
- Zero risk of overfishing or overfished status in 2026.
- Long-term some risk of breaching LRP



Questions

