

Marine resources and food security



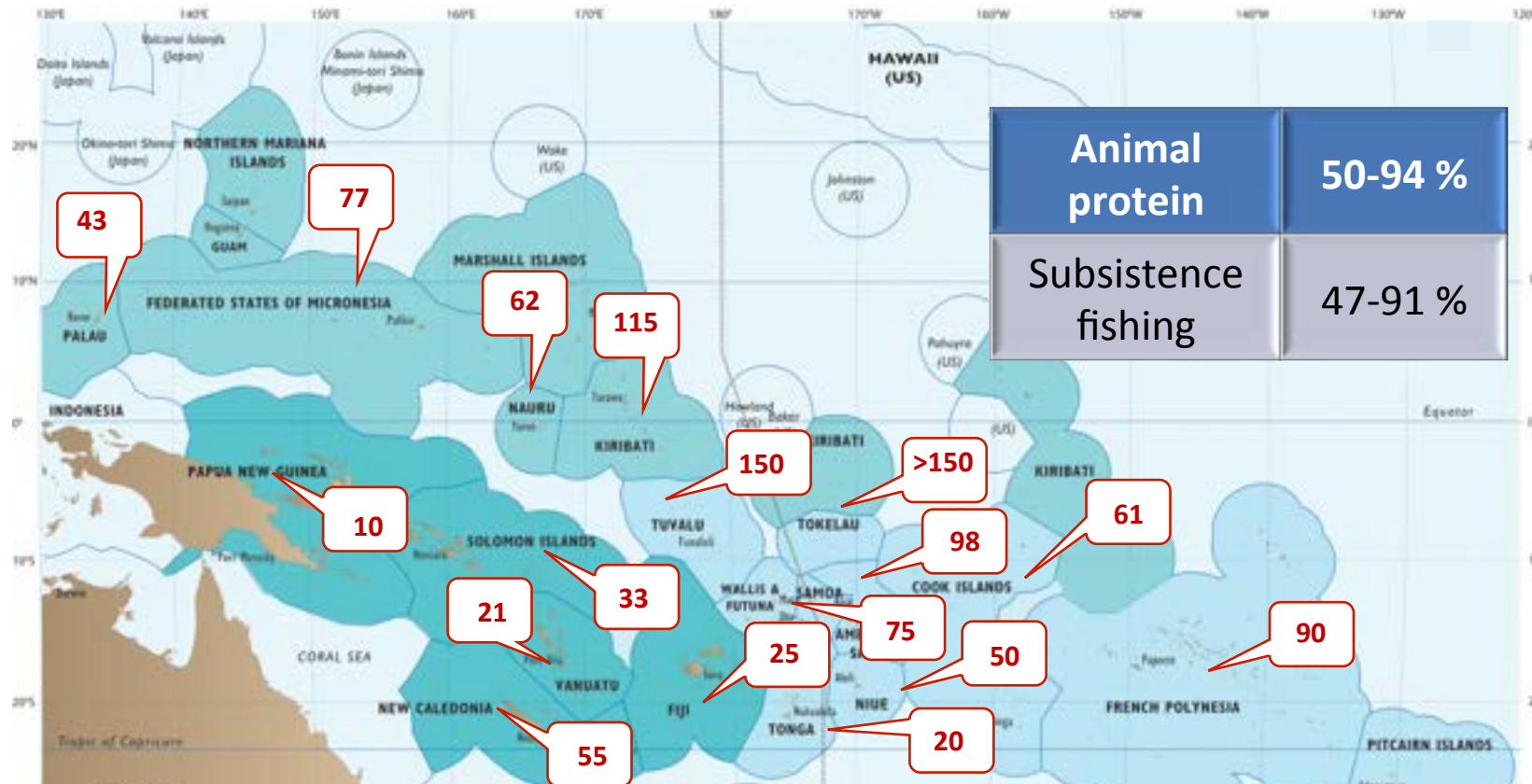
EU-PACIFIC bi-regional policy dialogue



Conservation International

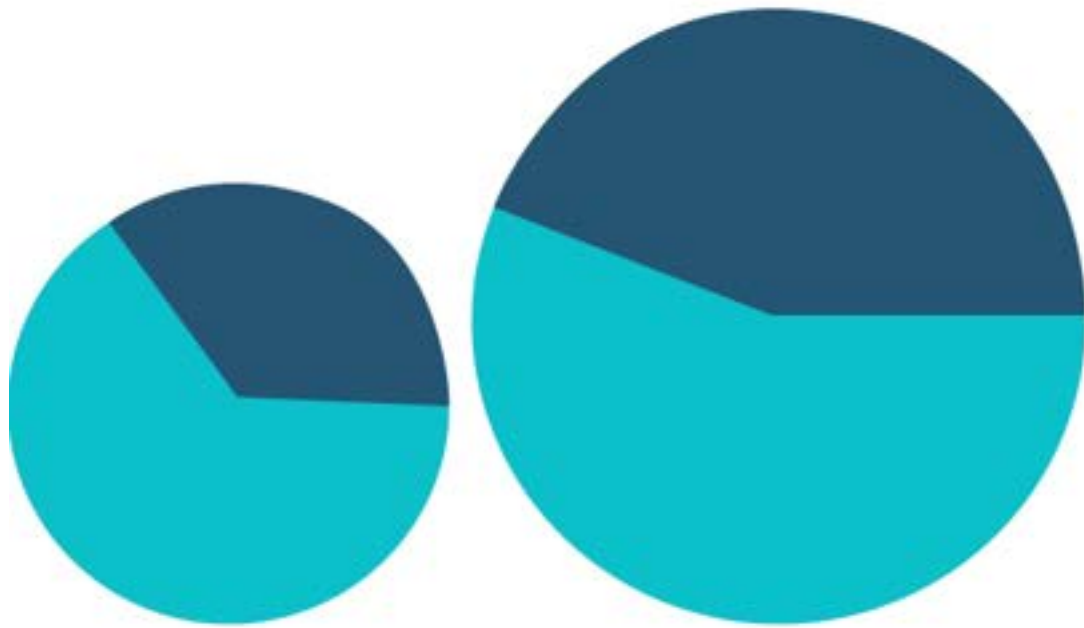
Fish – a cornerstone of food security

- Fish consumption in rural areas (kg/person/year)



Fish needed in the future

Melanesia



Year: 2013
Tonnes: 165,000

2035
265,000

Micronesia



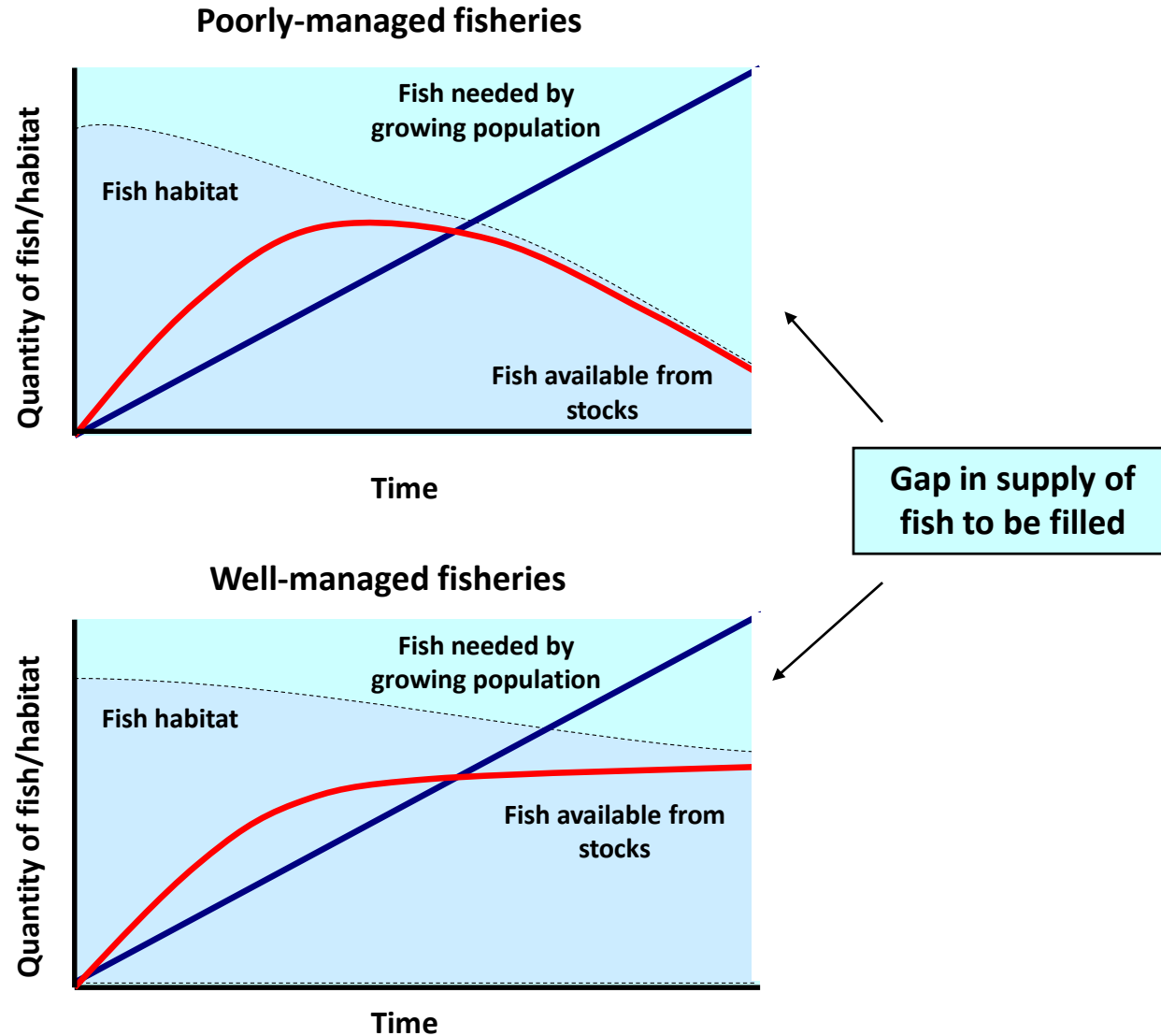
2013 2035
30,000 35,000

Polynesia



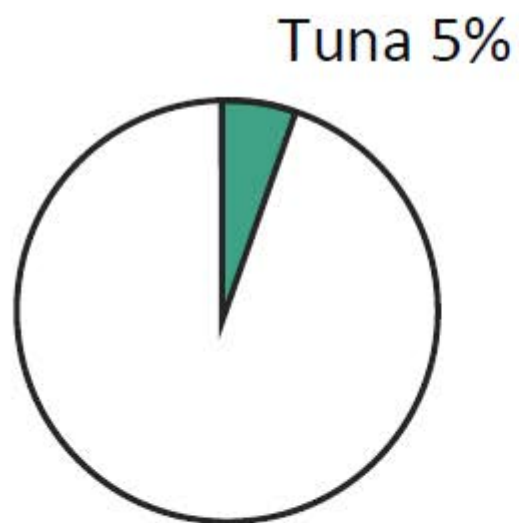
2013 2035
40,000 45,000

Where will the fish come from?

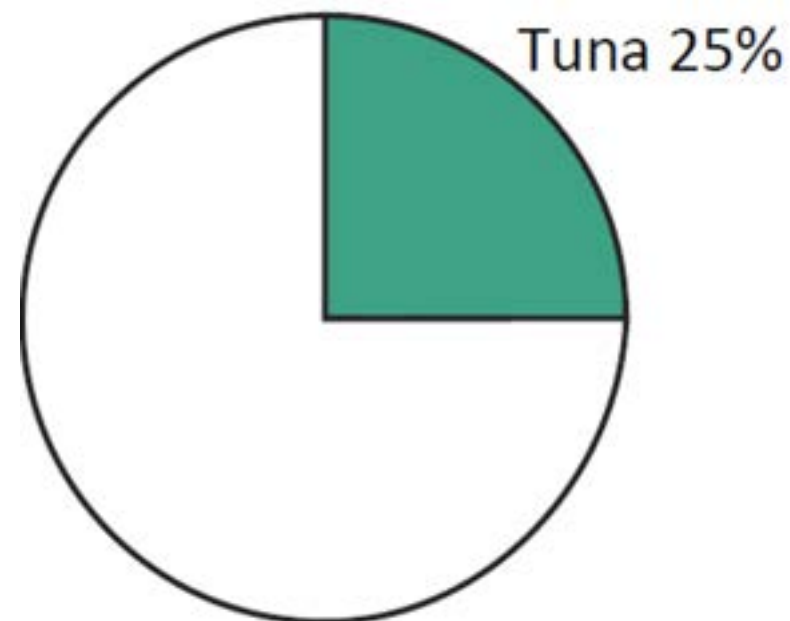


Tuna needed to fill the gap

2013



2035

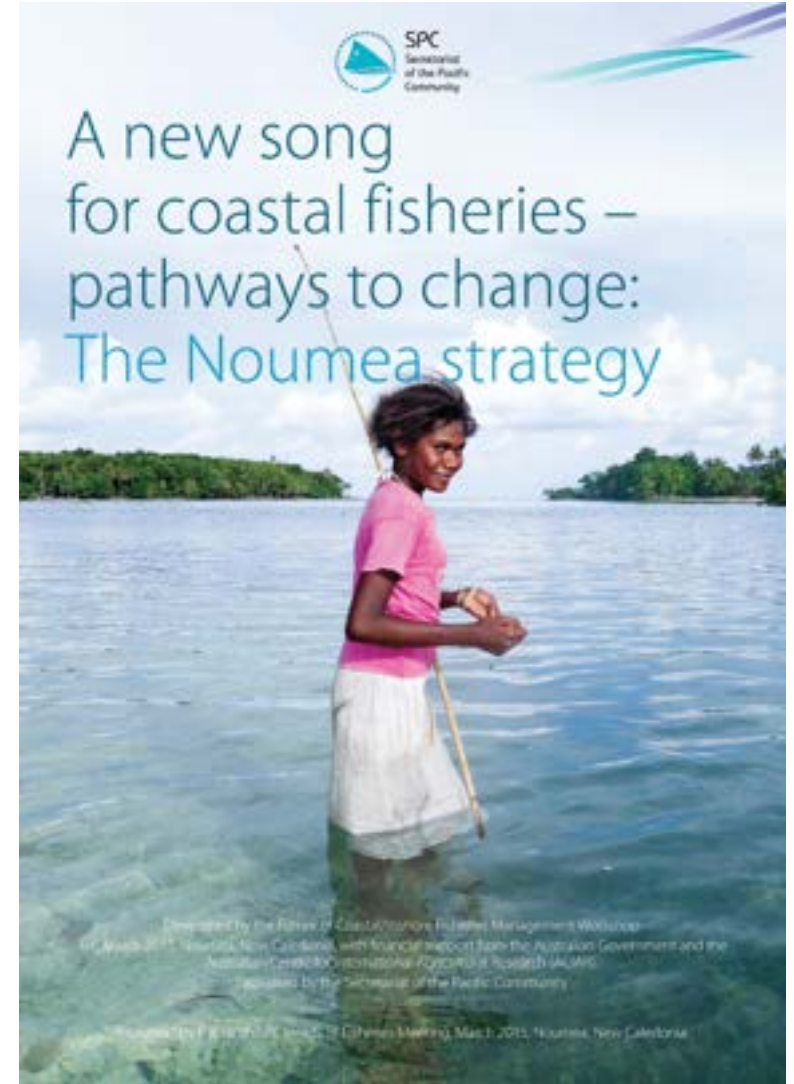
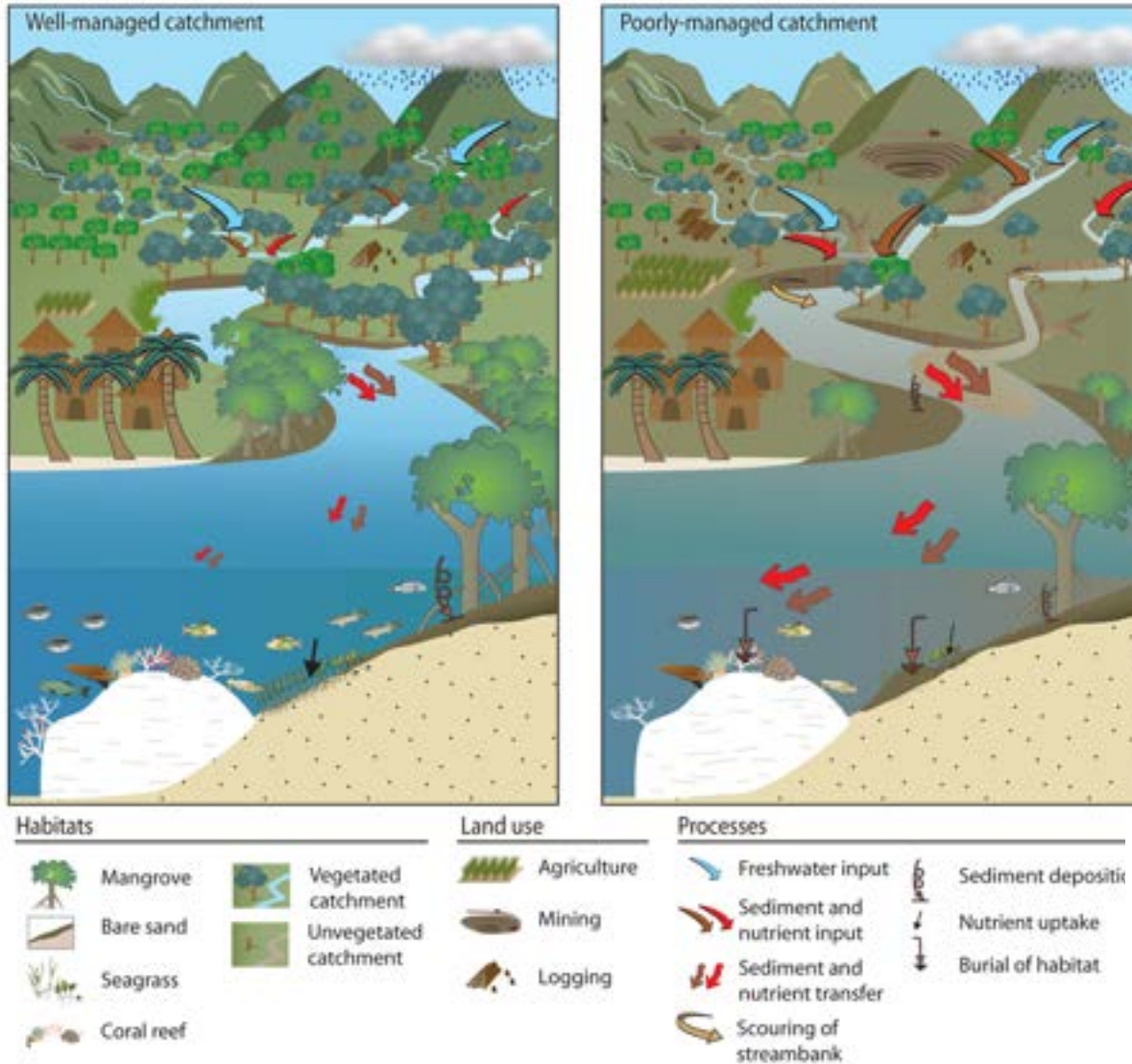


Total fish needed (Mt)	235,000
Tuna needed (Mt)	12,700
% regional tuna catch	~1

Total fish needed (Mt)	345,000
Tuna needed (Mt)	87,500
% regional tuna catch	~6

Challenges ahead

Managing coastal fisheries as populations grow



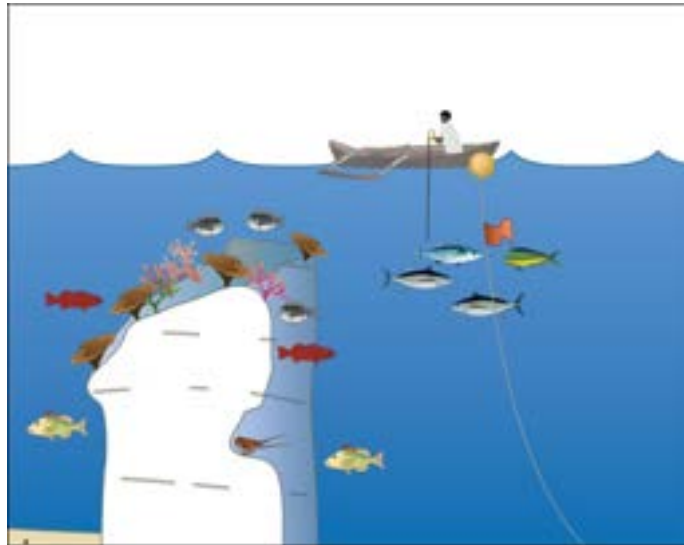
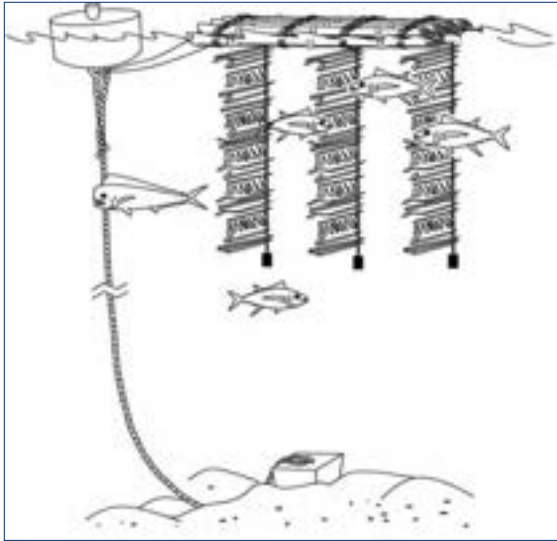
Increasing local access to tuna

- Distribute small tuna and bycatch available from transshipping operations



Increasing local access to tuna

- Install more nearshore Fish Aggregating Devices (FADs)



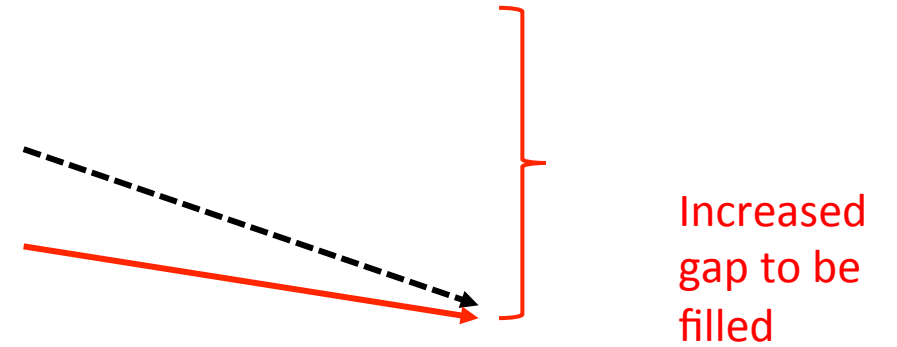
Increasing local access to tuna

- Improving the distribution and reducing the cost of canned tuna for inland communities in PNG

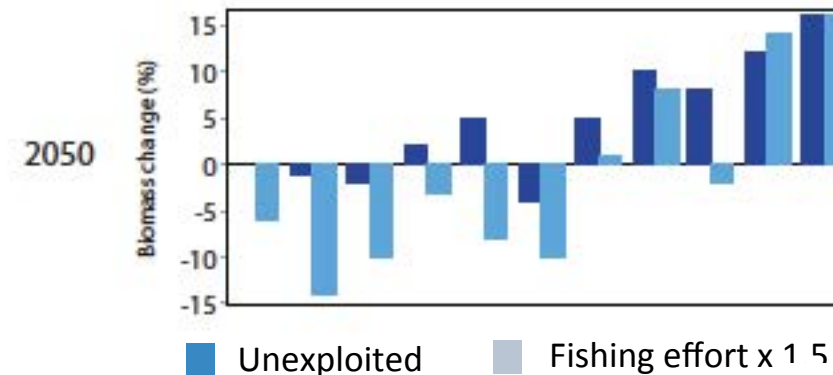
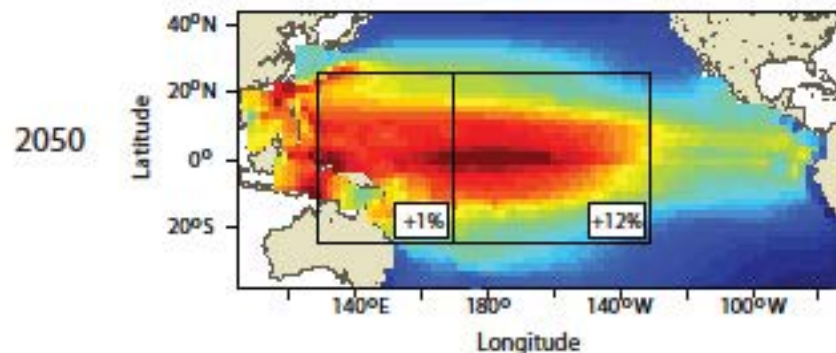
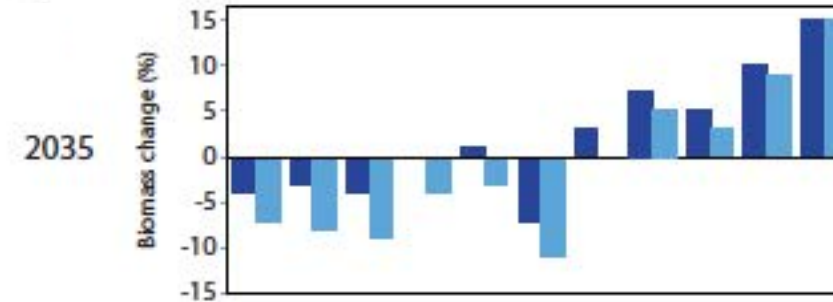
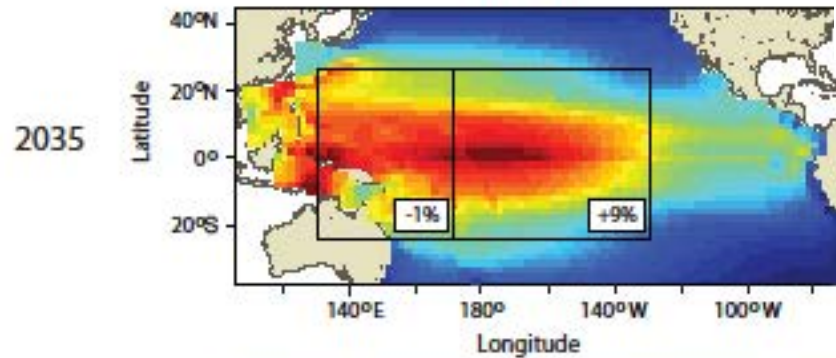
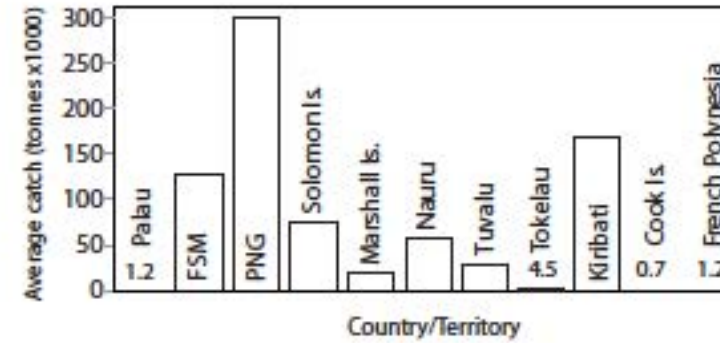
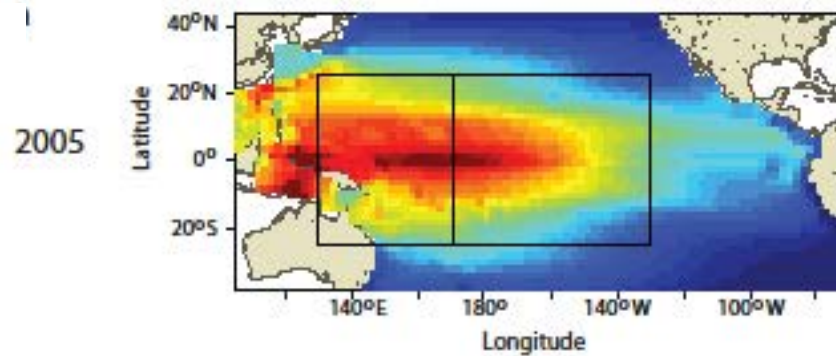


Effects of climate change and other drivers

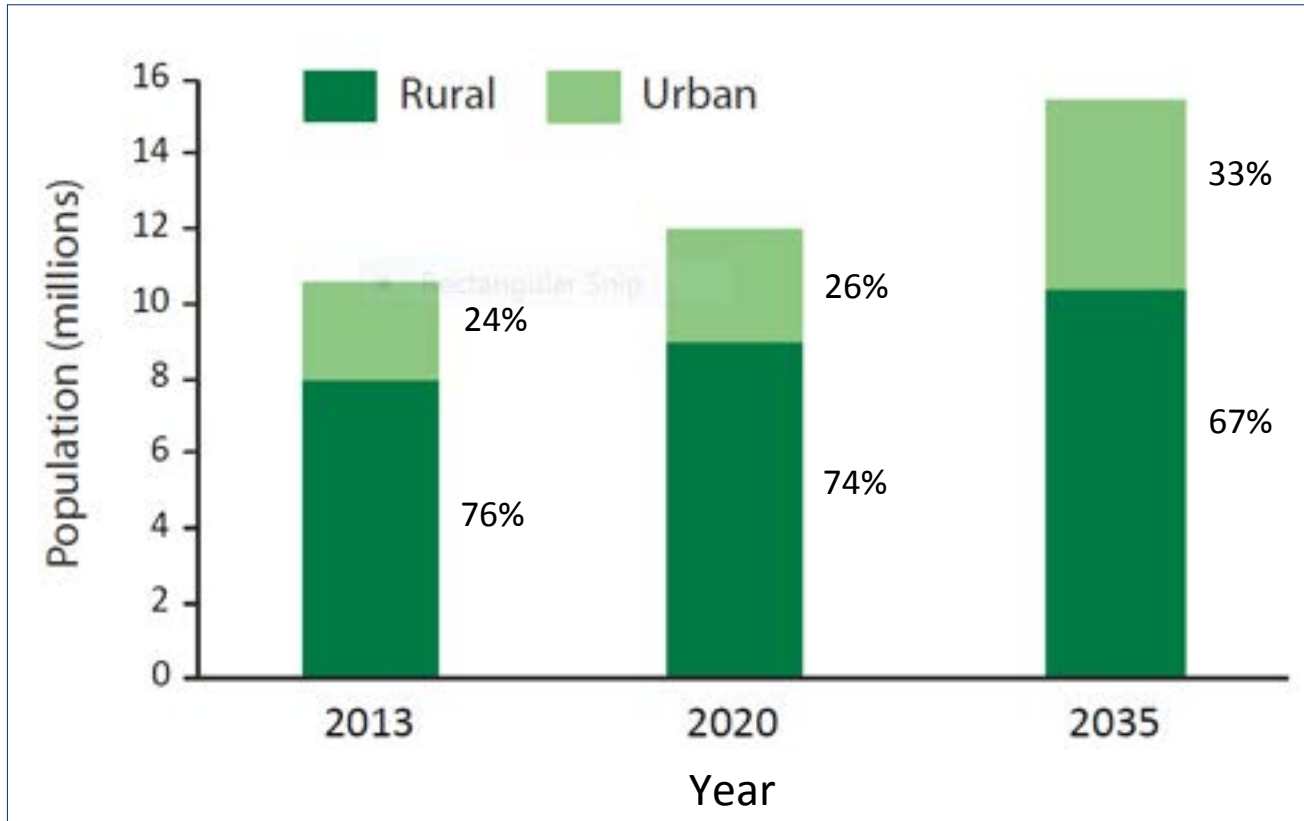
Reef degradation will increase gap to be filled



Redistribution of skipjack tuna

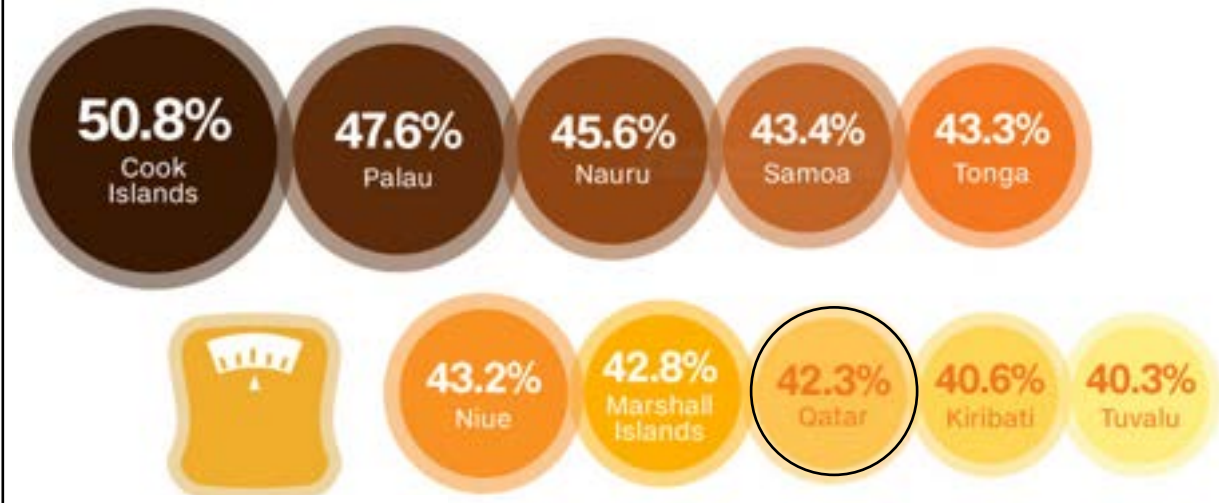


Urbanisation and non-communicable diseases



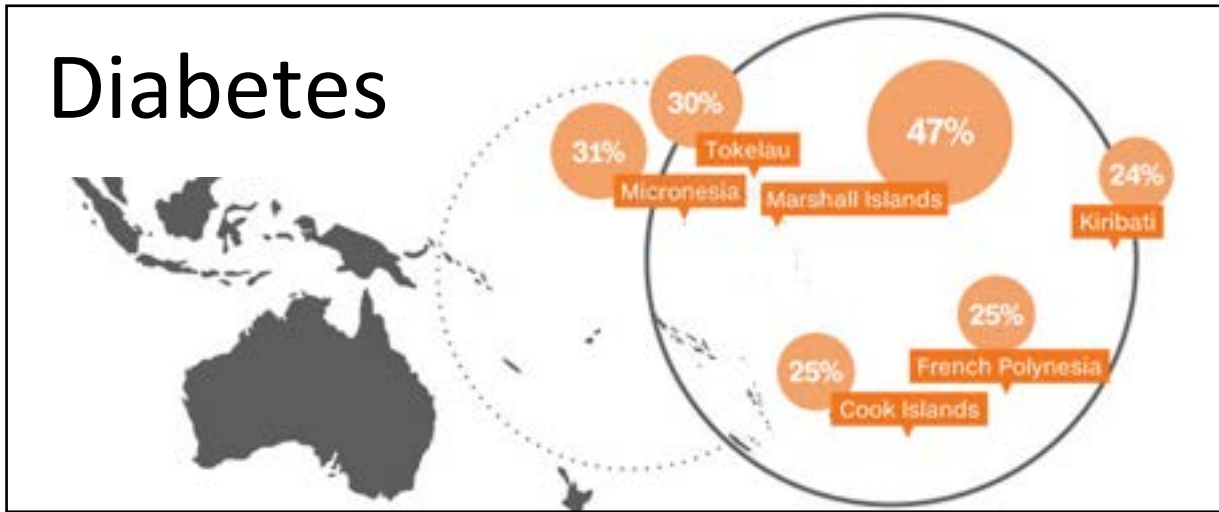
Extent of the problems

Obesity



- Nine of the 10 worst countries are PICTs

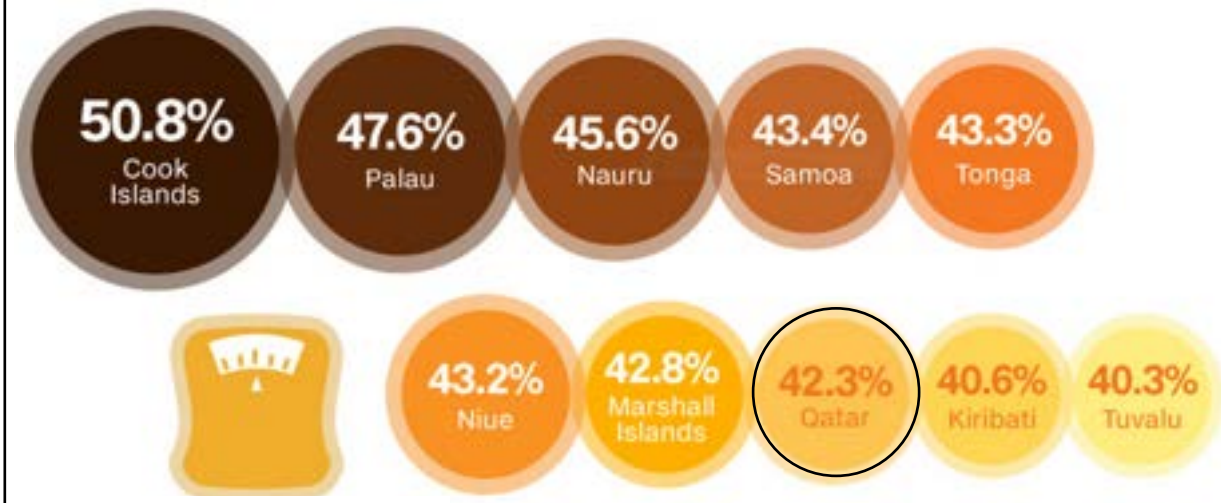
Diabetes



- Six of the 10 worst countries are PICTs

Solutions

Obesity



Diabetes



- Increase access to healthy foods
- Impose import restrictions on junk food
- Promote sport



Recent policy papers for marine resources

Marine Policy 51 (2015) 584–591

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Diversifying the use of tuna to improve food security and public health in Pacific Island countries and territories



Marine Policy 57 (2015) 182–192

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Marine Policy 56 (2015) 98–105

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Optimising the use of nearshore fish aggregating devices for food security in the Pacific Islands



Thank you

