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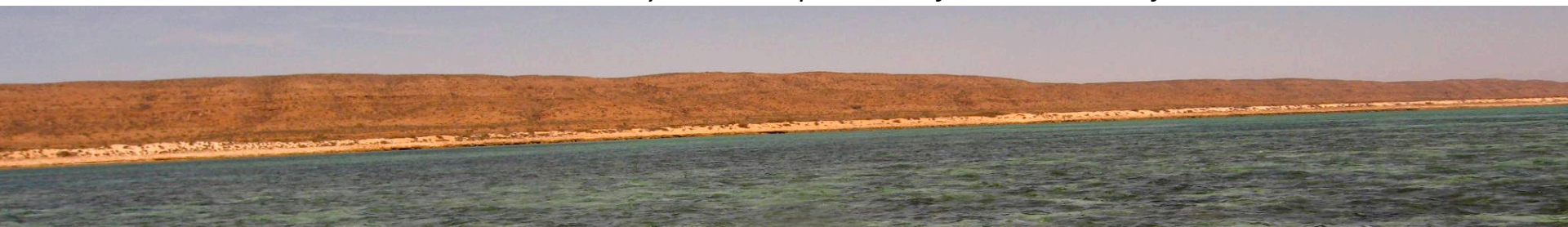


Pilbara Marine Conservation Partnership

On benchmarks and thresholds

Mat Vanderklift, Russ Babcock, Damian Thomson, Mick Haywood, Rich Pillans, Cindy Bessey, Margaret Miller

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which is administered by the WA Department of Parks and Wildlife.*

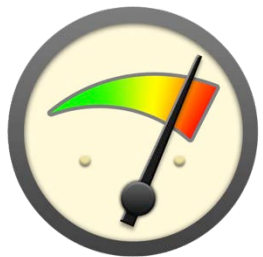




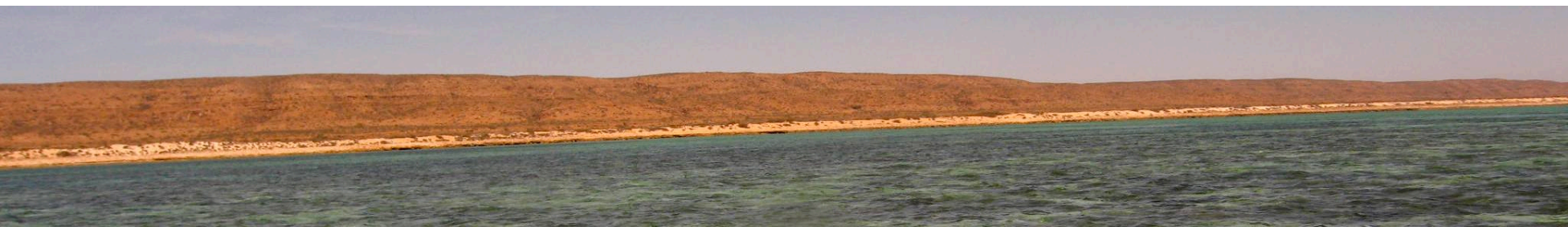
Detecting and measuring change



Benchmark: a standard or point of reference against which things may be compared

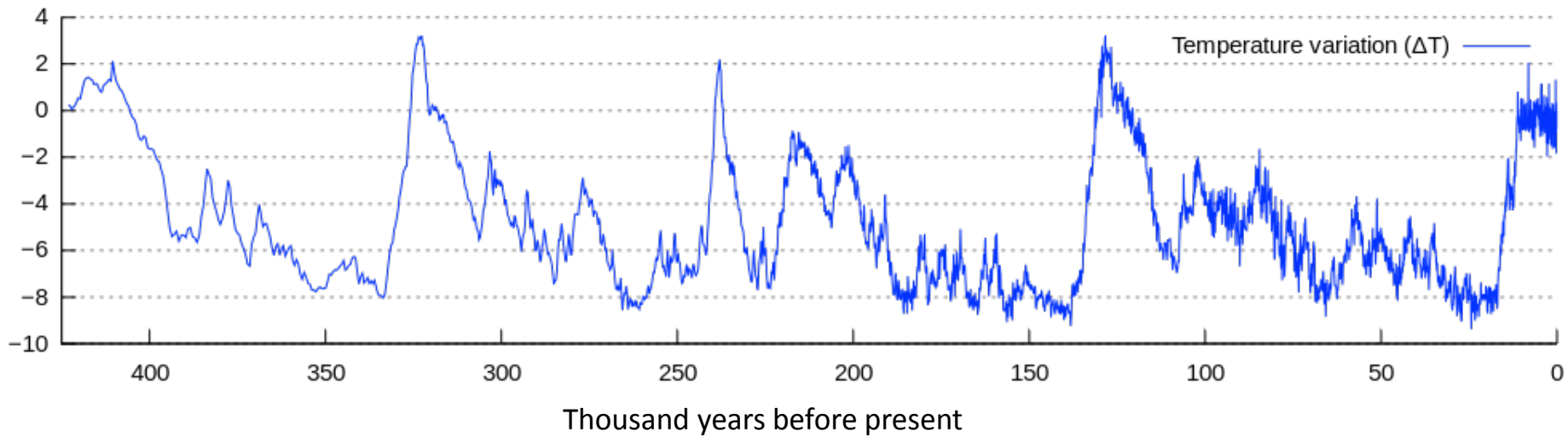
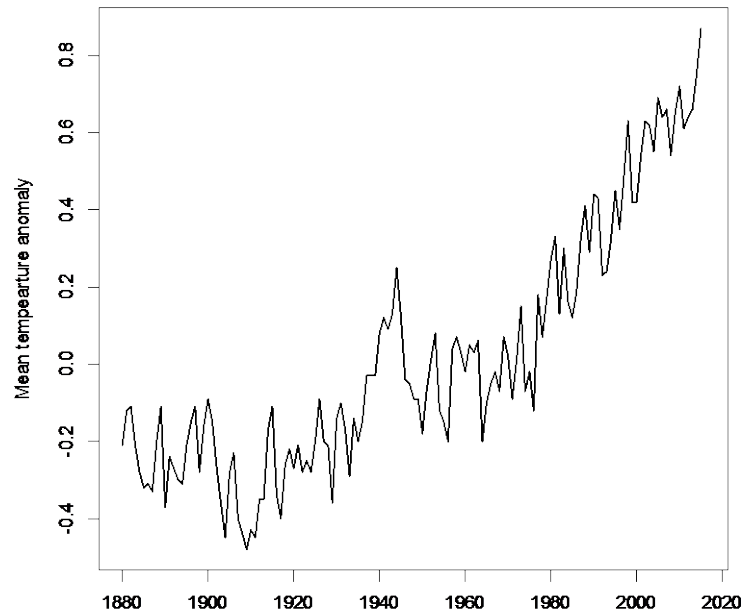


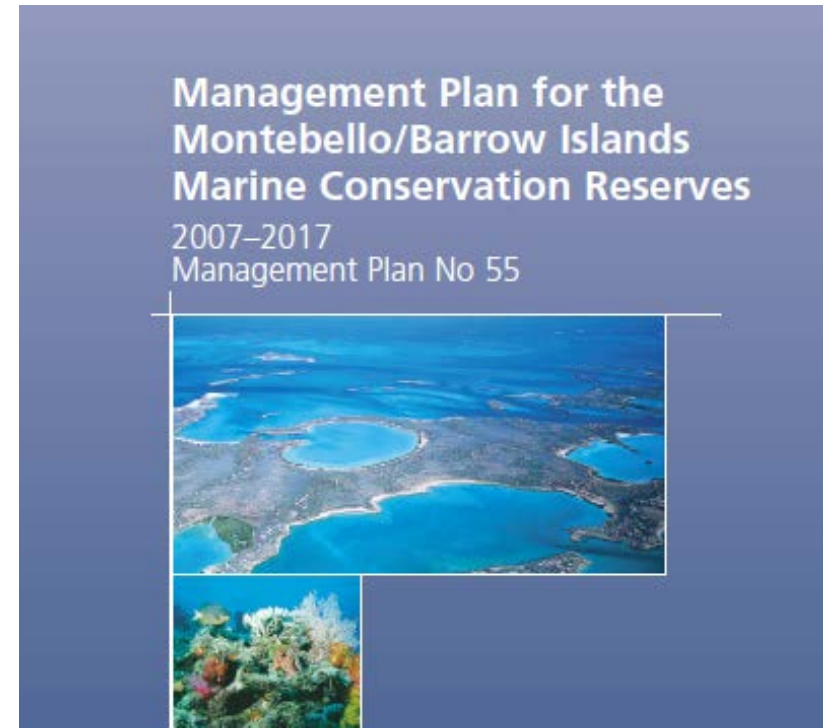
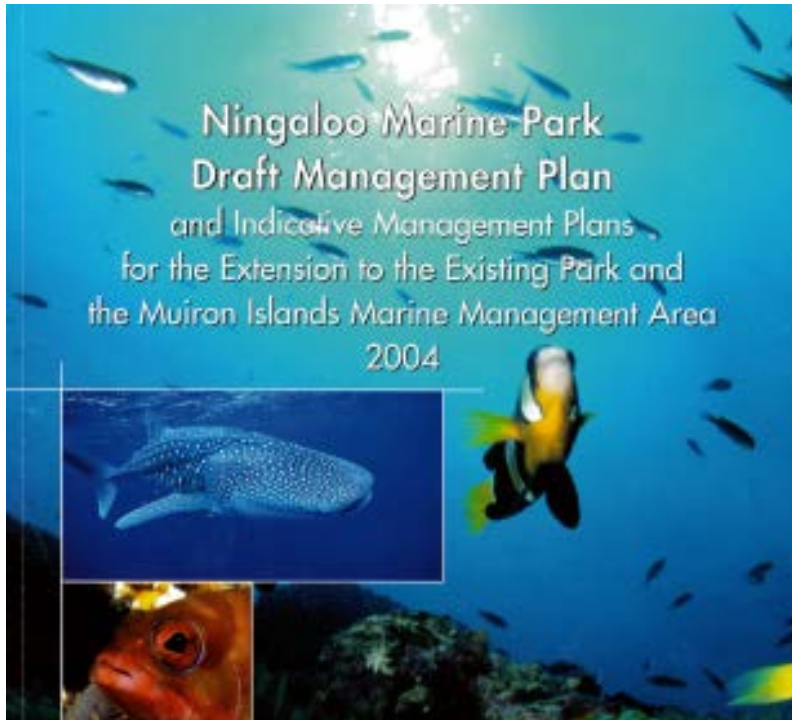
Threshold: the magnitude or intensity that must be exceeded for a certain reaction





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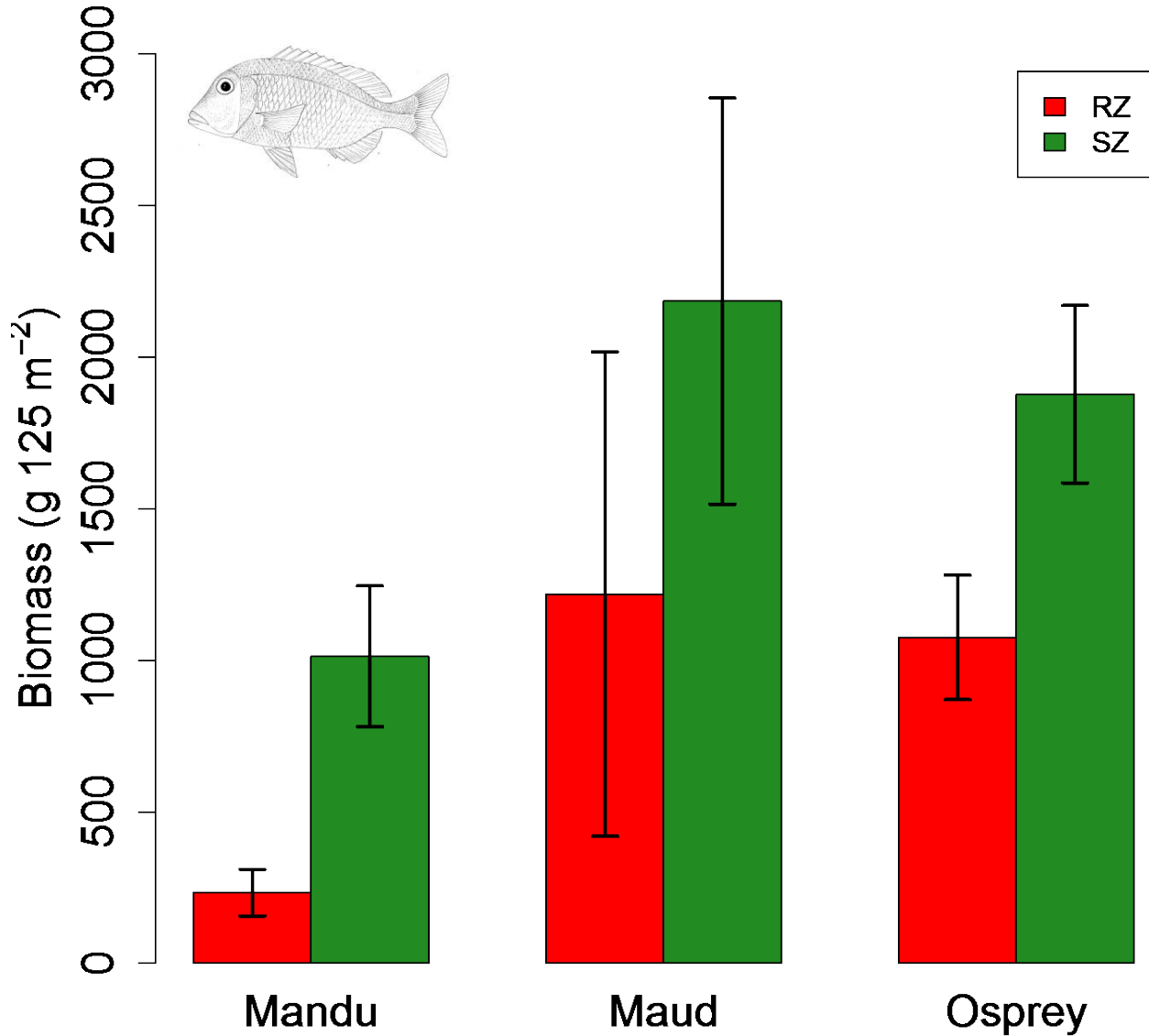
Performance measure: No loss of finfish species abundance in the *sanctuary zones* ... as a result of human activity within the reserves.

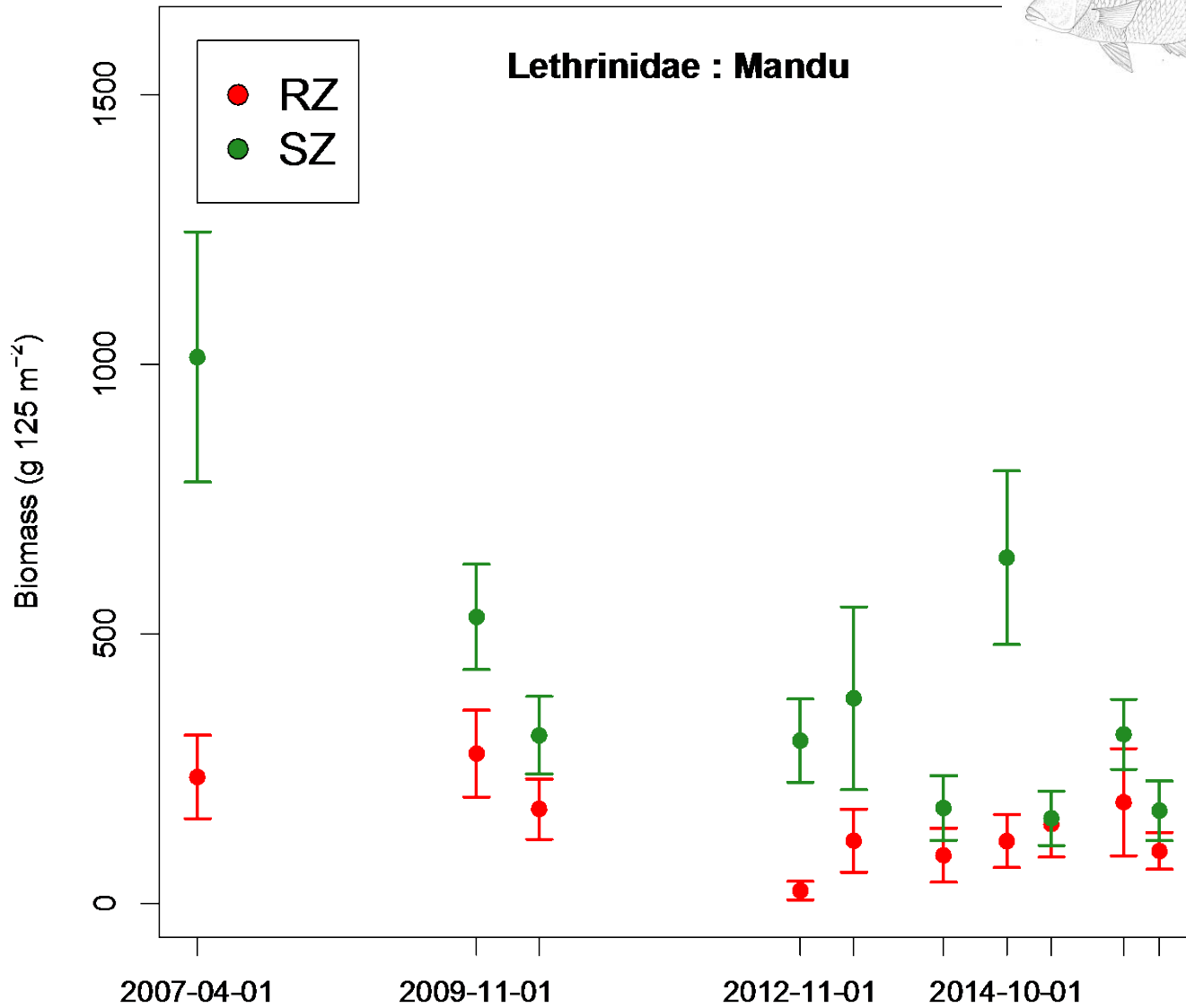
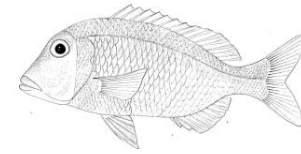
Long term KPI: Abundance and size composition of finfish species in sanctuary zones ... to be at natural levels.

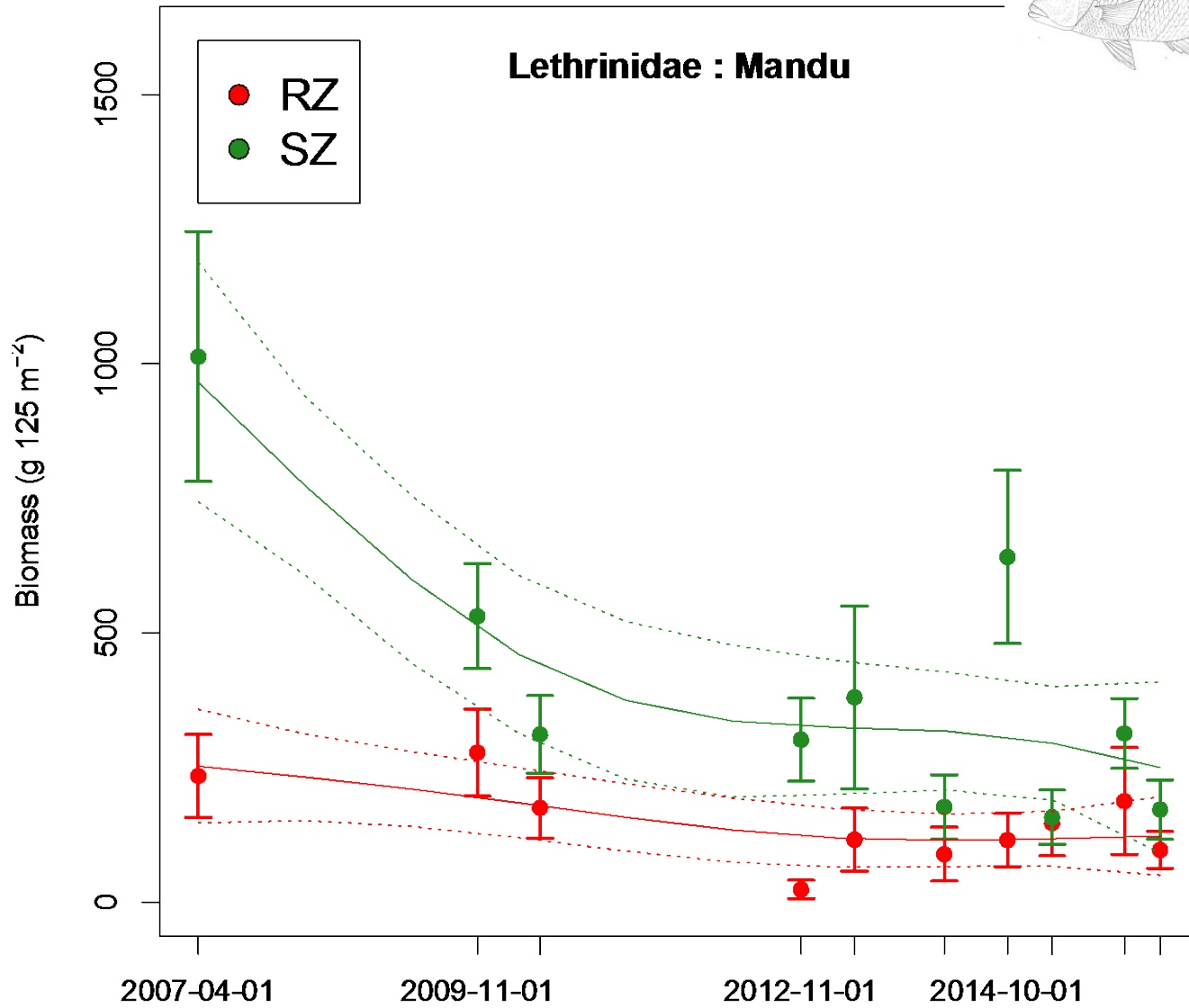
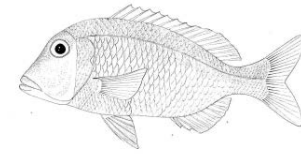


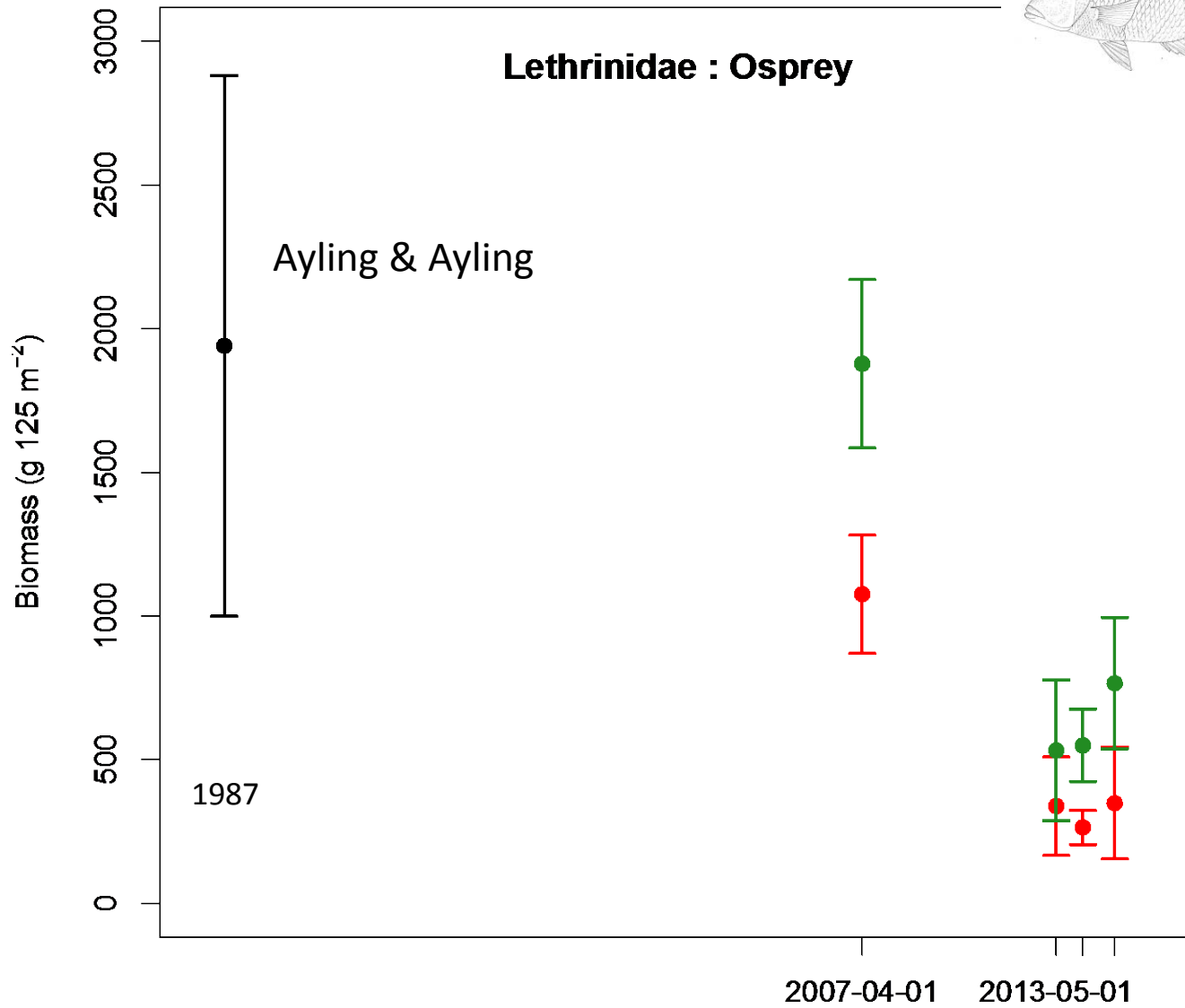
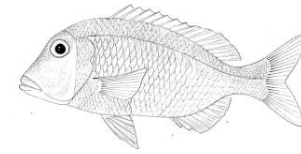


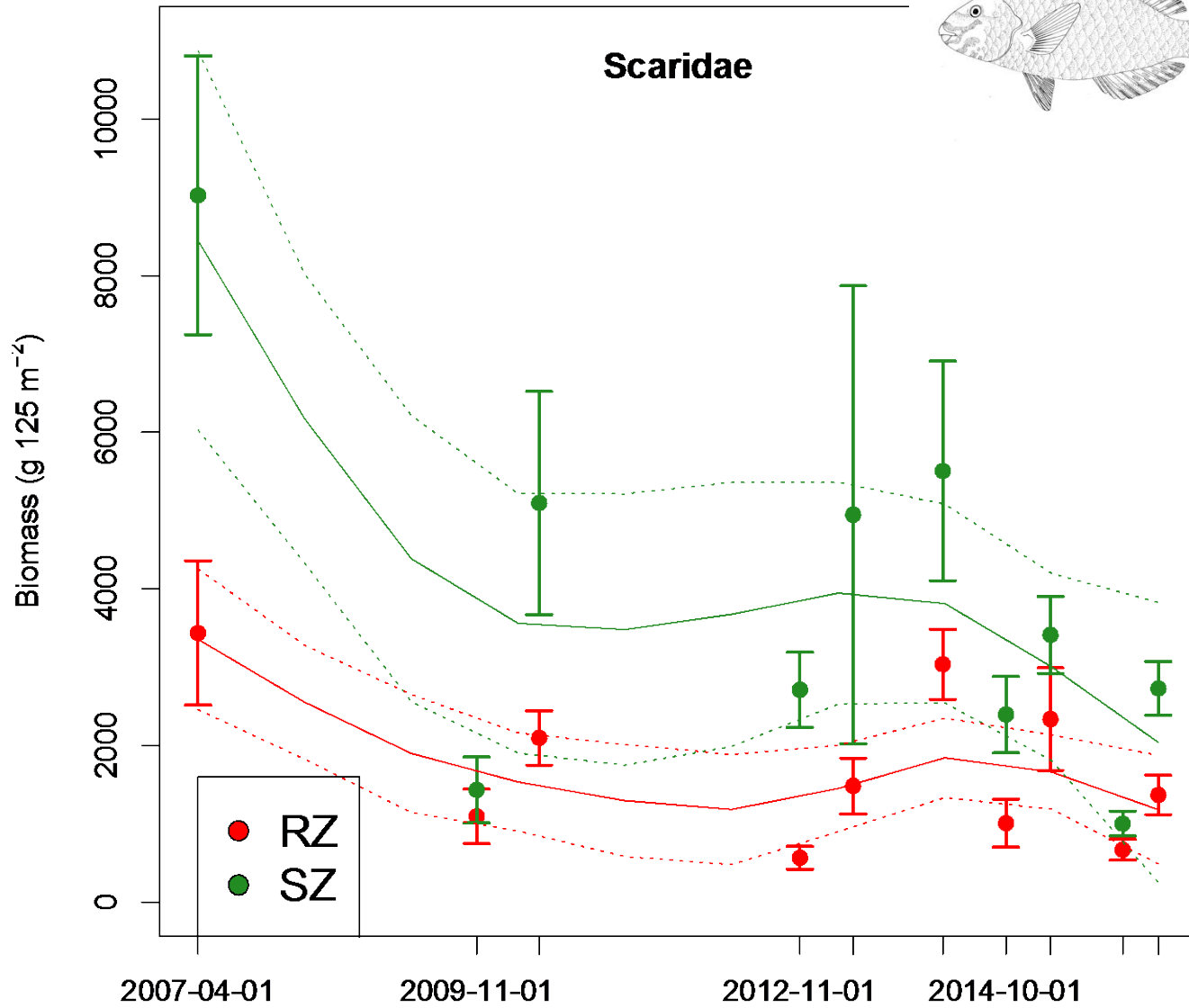
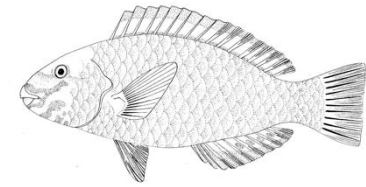
Our first surveys : 2007





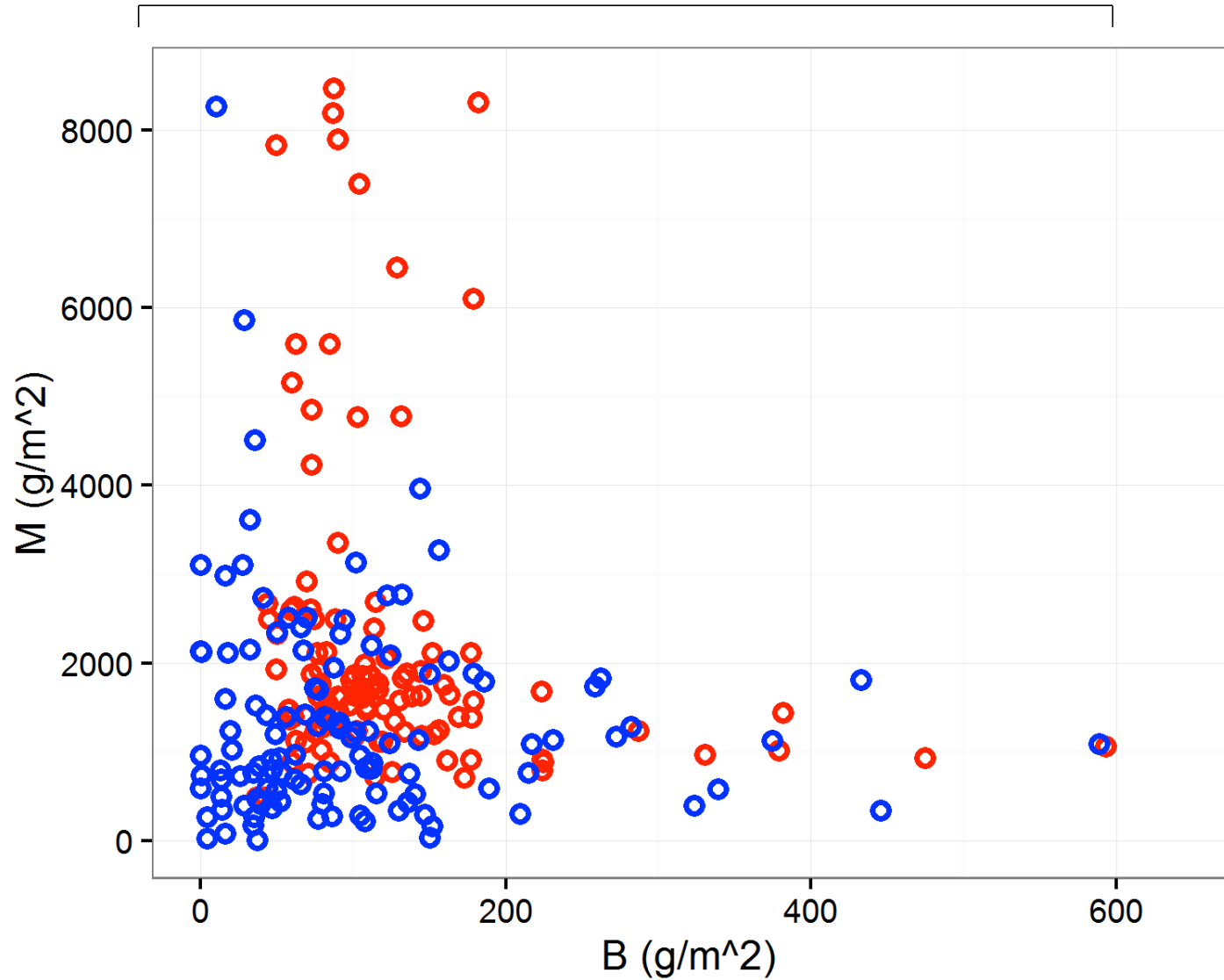








Thinking about thresholds





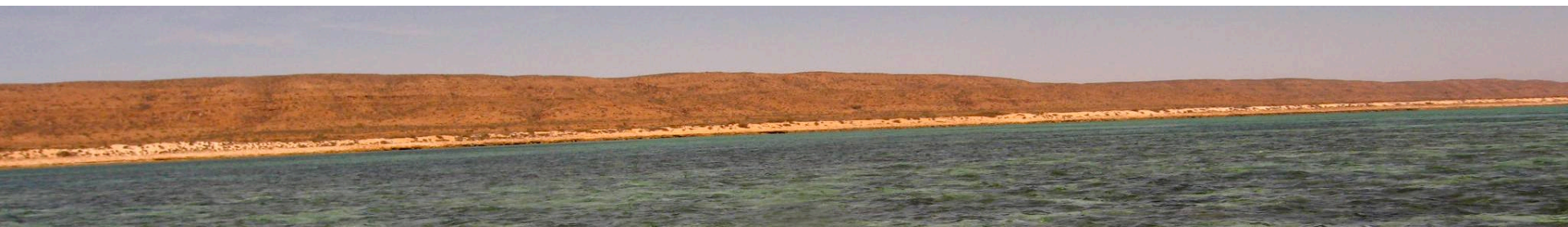
On benchmarks and thresholds



- Long-term datasets are essential to understand change
- There is evidence of long-term decline in abundance of some fish taxa



- Using field observations and models to get insights into thresholds





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