

Adaptation Pathways

Plotting a course to an uncertain future

Acknowledgements

John Rainbird - Torres Strait Regional Authority

Bob Speirs - Griffith University

Integrated Solutions for Climate Change

Sea level rise is real and current



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Limited room to move



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Poruma – coral key



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Erosion on Poruma



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Poruma



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Warraber



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Saibai – mud island



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Saibai



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Badu



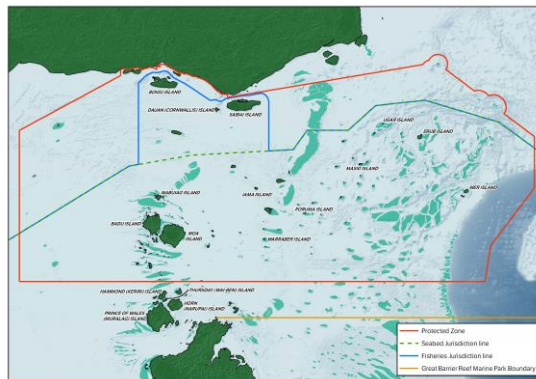
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The real face of the Torres Strait



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Where is the Torres Strait



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Geology

- Alluvial mud deposit islands
- Coral keys
- Volcanic islands
- Mainland islands – extension of the great dividing range

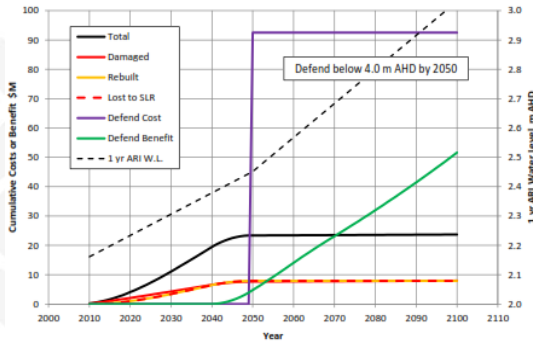
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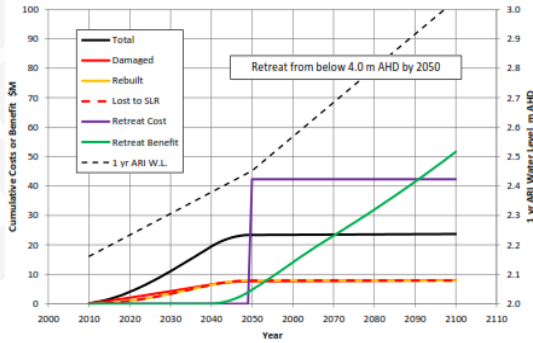
Governance

- Decisions made by a governing group of elders from each community
 - Torres Strait Regional Authority
 - Torres Shire Council
 - Torres Strait Island Regional Council
- SLR immediate impacts in some communities more than others
 - Mud flats and coral keys
- Effects everyone

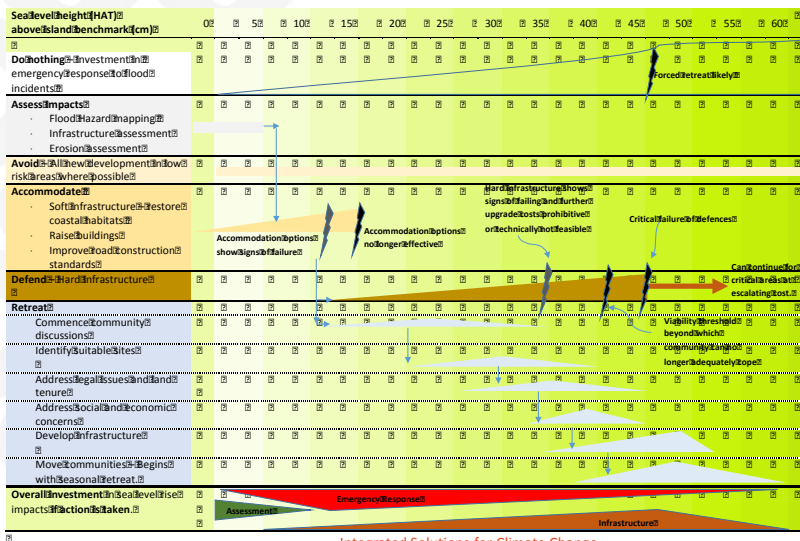
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Defend cost (top) vs theoretical retreat cost (bottom) (Harper, 2014)

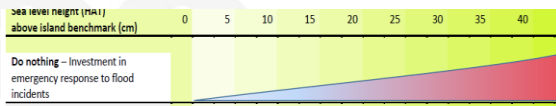
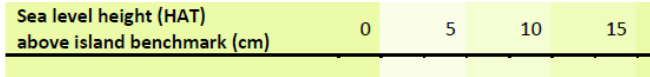


Pathways Map

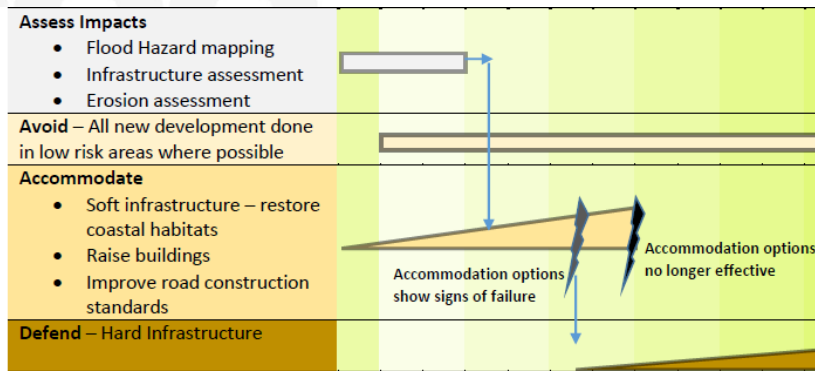


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Responding to Sea Level Rise



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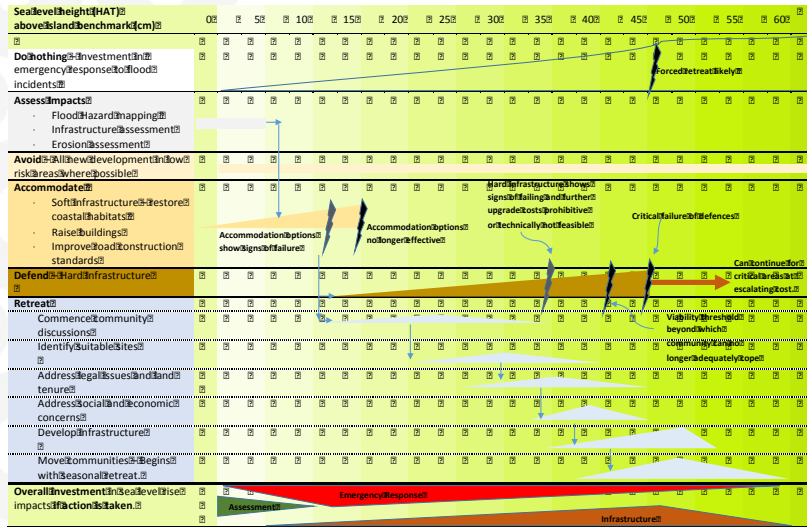


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Pathways Map



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Thank you

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