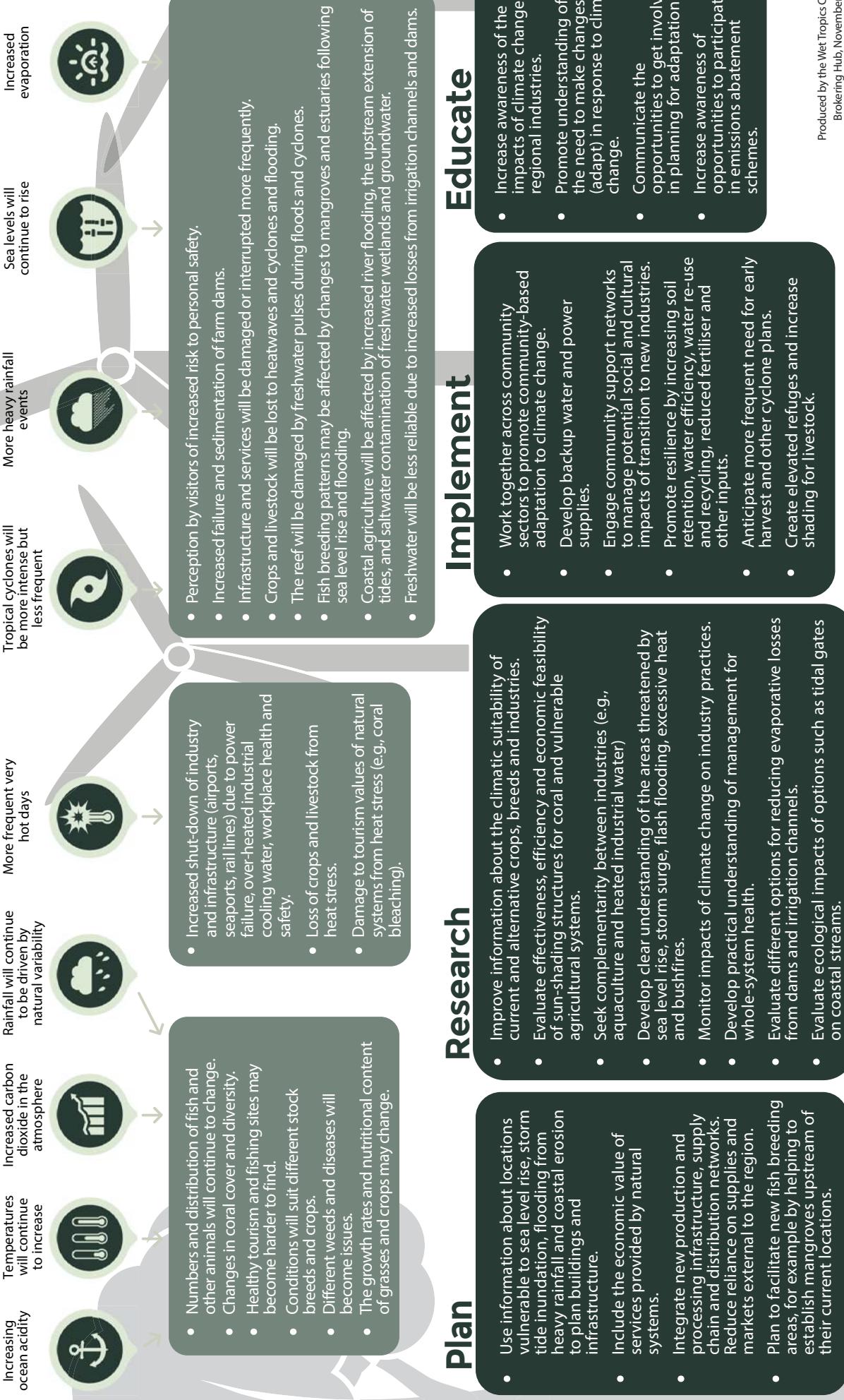




Sustainable industries and climate change



Sustainable industries in a changing climate

Adaptation to the changes brought about by climate change will involve all of society. The type and extent of action required will depend on how much we are able to reduce emissions of global greenhouse gases. Some adaptation actions may require relatively small, continuous improvements in current practices, whereas others will involve fundamental changes to our ways of doing things, including what we do and where we do it.

Industries in the Wet Tropics cluster region are characterised by a high level of dependence on natural resources and will therefore be particularly vulnerable to climate changes. Different industries will need different specific strategies to adapt to the effects of climate change. Across all industries, developing and implementing suitable adaptation strategies will require strong links between researchers, policy-makers, NRM groups, industry bodies and farmers, operators and other on-ground managers. Industry-led discussions will help ensure that adaptation pathways are based on realistic understanding of the ways industries work, opportunities for change, and the capacity of the industry and individual businesses to change

Additional information

Hilbert, D. et al. (2014) Climate change issues and impacts in the Wet Tropics NRM region. <https://terranova.org.au/repository/climate-change-issues-and-impacts-in-the-wet-tropics-nrm-cluster-region-1>

Moran C. et al. Eds. (2015) Adaptation pathways and opportunities in the Wet Tropics NRM cluster region. <https://terranova.org.au/repository/adaptation-pathways-and-opportunities-for-the-wet-tropics-nrm-cluster-region-volume-1-introduction-biodiversity-and-ecosystem-services>

What's happening in your region

Projected changes in climate (and degree of confidence)

	Substantial increases in average, maximum and minimum temperatures	Very high confidence
	Substantial increases in the temperature, frequency and duration of hot days	Very high confidence
	Average sea level and height of extreme sea-level events will continue to rise	Very high confidence
	Increases in evapotranspiration in all seasons	High confidence
	Increased intensity of extreme rainfall	High confidence
	Less frequent but more intense tropical cyclones	Medium confidence
	Changes to rainfall are possible but unclear	Low confidence

http://www.climatechangeinaustralia.gov.au/media/cia/2.1.5/cms_page_media/172/WET_TROPICS_CLUSTER_REPORT_1.pdf
The degree of confidence in each projection is determined by considering the number of models that project a similar long-term trend, together with how well we understand the mechanisms underlying the models. If the evidence is robust and there is a high level of agreement among models about trend in that climate variable, scientists have a high level of confidence in the projection.

REEF CATCHMENTS



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