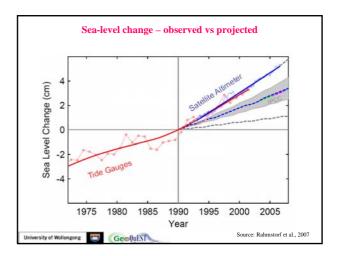
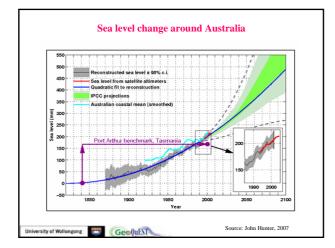
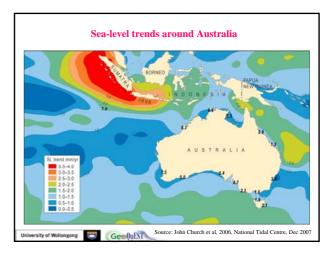


		Rate of sea level rise (mm per year)	
Sour	ce of sea level rise	1961 - 2003	1993 - 2003
Them	nal expansion	0.42 ± 0.12	1.6 ± 0.5
Glaci	ers and ice caps	0.50 ± 0.18	0.77 ± 0.22
Gree	nland ice sheet	0.05 ± 0.12	0.21 ± 0.07
Antar	ctic ice sheet	0.14 ± 0.41	0.21 ± 0.35
	of individual climate butions to sea level rise	1.1 ± 0.5	2.8 ± 0.7
Obse	rved total sea level rise	1.8 ± 0.5 ^a	3.1 ± 0.7^{4}
	ence rived minus sum of estimated climate butions)	0.7 ± 0.7	0.3±1.0
Table note: * Data prior to	1993 are from tide gauges and after 1993 a	re from satellite altimetry.	





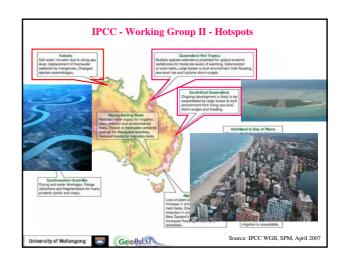


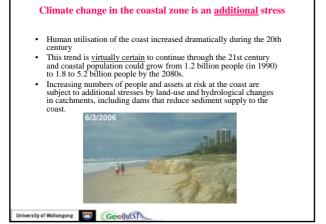


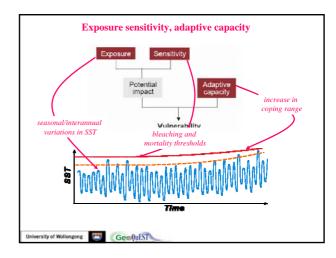
- Great Barrier Reef experienced 8 bleaching events since 1979
 and likely to become near-annual in 21st century
- Saltwater inundation into freshwater wetlands in northern
 Australia
- Beaches in NSW show long-term oscillations related to storms and ENSO
- Tropical storms and associated surges likely to become more intense
- Coastal communities at greater risk of inundation, especially in Cairns and southeast Queensland regions

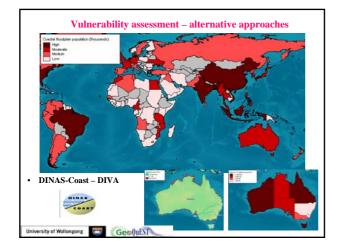
University of Wollongong 🛅 GeoQuEST

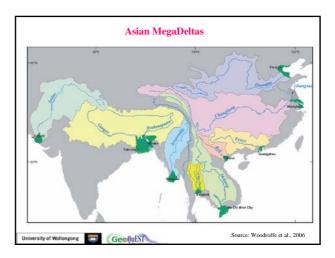
Source: IPCC WGII, SPM, April 2007

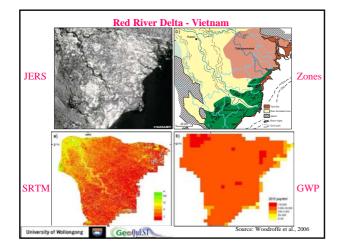


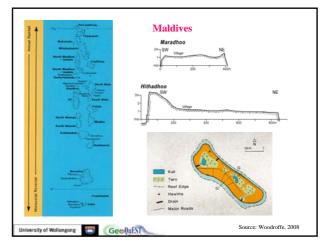


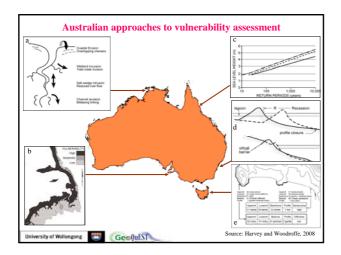


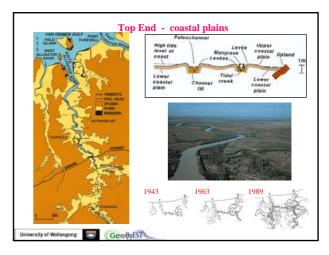


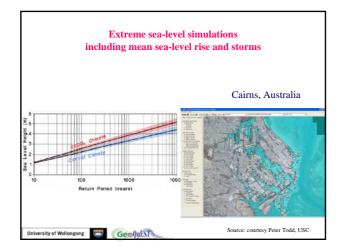


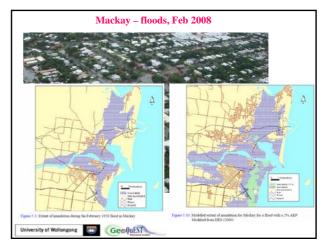


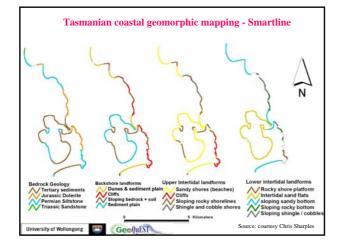


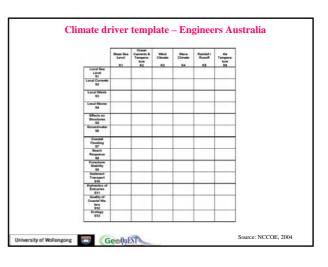












Coastal Adaptation (IPCC CZMS, 1990)	Adaptation Objectives (Klein and Tol, 1997)	Adaptation Responses (after Cooper et al., 2002; DEFRA, 2001)	Examples
1990)	/	Advance the line	Land claim; polders
Protect >	Increased robustness	Hold the line	Dyke; beach nourishment
Accommodate →	Increased flexibility		Flood proof buildings Floating agricultural system
Retreat	Enhanced adaptabilit	Retreat the line Limited intervention No intervention	
	Reversing maladaptive +	Sustainable adaptation	Wetland restoration
	Improved awareness and preparedness	Community-focussed	Flood hazard mapping; floo warnings

