



Category	CO2 Conc at stabilisation	CO2 eq at stablisation	Peaking year for CO2 emissions	Change in global CO2 emissions in 2050 (% of 2000)	Global average temp increase above pre- industrial level at equilibrium	Global average sea level rise above pre- industrial at equilibrium
	ppm	ppm	year	percent	Deg C	metres
I	350-400	445-490	2000- 2015	-85 to -50	2.0-2.4	0.4 -1.4
			vel rise does r	at include ice	aboot moltin	

# Recent studies post IPCC AR4

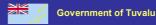
Stablisation level	Consequences	Source
380ppm CO2 (With IPCC range of 350-400 CO2)	50% coral reefs disappear from acidification	Long Cao and Ken Caldeira of the Carnegie Institution's Department of Global Ecology Geophysical Research Letters.
450ppm CO2	10% of coral reefs will be sustained	As above
	0.8 - 2.0 metres sea level rise	Horton, R. et al. <i>Geophys. Res. Lett.</i>



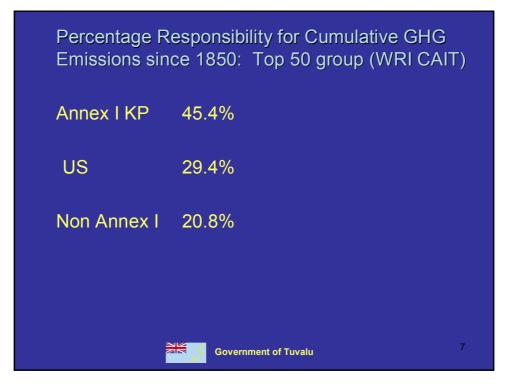
# Serious Implications for:

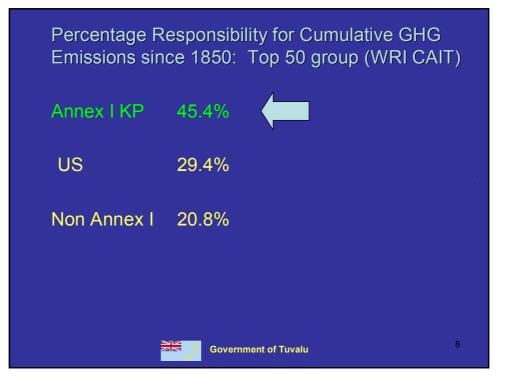
- All atoll island nations
- Nations with atoll populations
- Island nations with populations exposed to severe weather and sea level rise (SLR)
- Nations with coastal populations protected by coral reefs
- Nations with low-lying coastal populations exposed to severe weather and SLR
- Nations with populations on large river deltas exposed to flooding and SLR

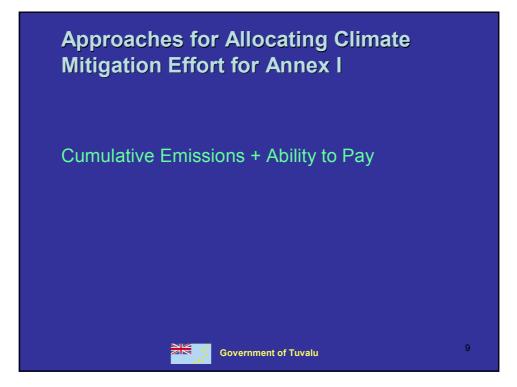
5

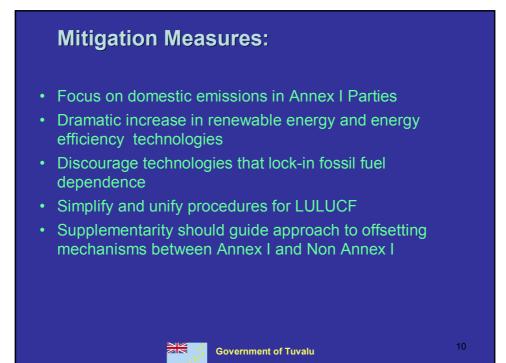


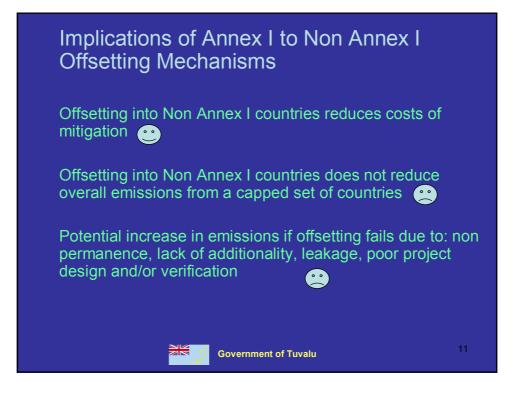
Category	CO <sub>2</sub> Conc at stabilisation	CO2 eq at stablisation	Peaking year for CO2 emissions	Change in global CO2 emissions in 2050 (% of 2000)	Global average temp increase above pre- industrial level at equilibrium	Global average sea level rise above pre- industrial at equilibrium
	ppm	ppm	year	percent	Deg C	metres
Rev I	below 300	below 350	2000- 2015	greater than 95%	below 1.5	?











# **Conclusions:**

- Domestic Annex I reductions must be central
- Additionality rules in CDM should be strengthened



### LULUCF

- Simplify and unify rules
- Maintain principles in 16/CMP.1
- Mandatory accounting of anthropogenic emissions in all forests (including deforestation and forest degradation)
- No expansion of LULUCF in CDM
- Mandatory reporting of all emissions on grazing land and cropland
- Mandatory accounting of forest degradation
- Accounting for factoring out in forests



Government of Tuvalu

13

#### New Gases

• Accept those where there is sound science

#### Base year

- Remains standard for all Annex I countries
- Relative to 1990 (for comparability)

### Targets expressed

- Reductions relative to 1990
- Reductions relative to end of first commitment period

### **Commitment Period**

• 2013-2017



