

Pacific Climate Change Roundtable

Climate Science, Observing Systems, and
Resilience

Neville Koop (SPREP)

PCCR 2013 Nadi, Fiji Islands

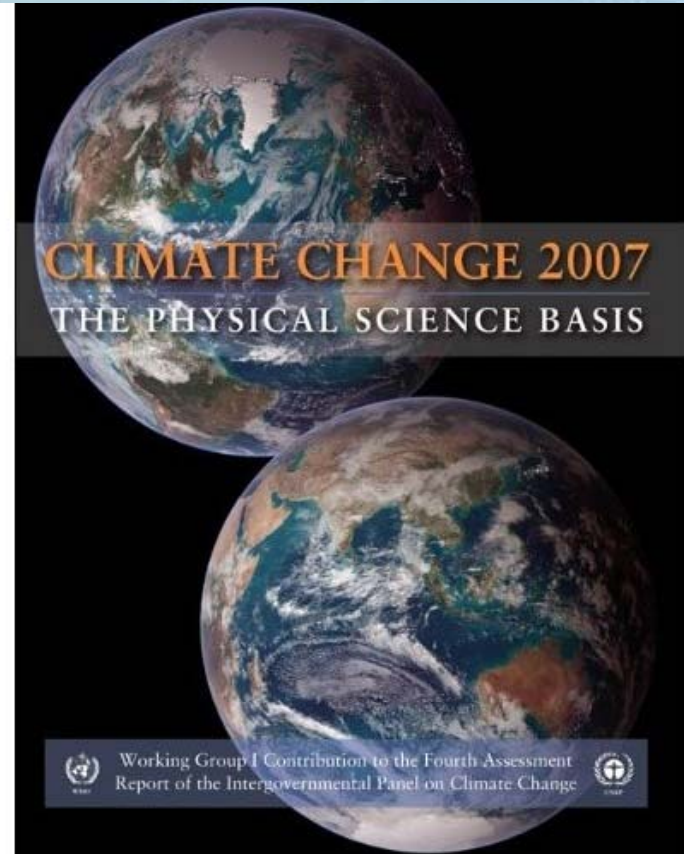
Strengthening the Resilience and Security of Pacific Communities through an Integrated approach to Weather Climate and Water Risks



1. Resources

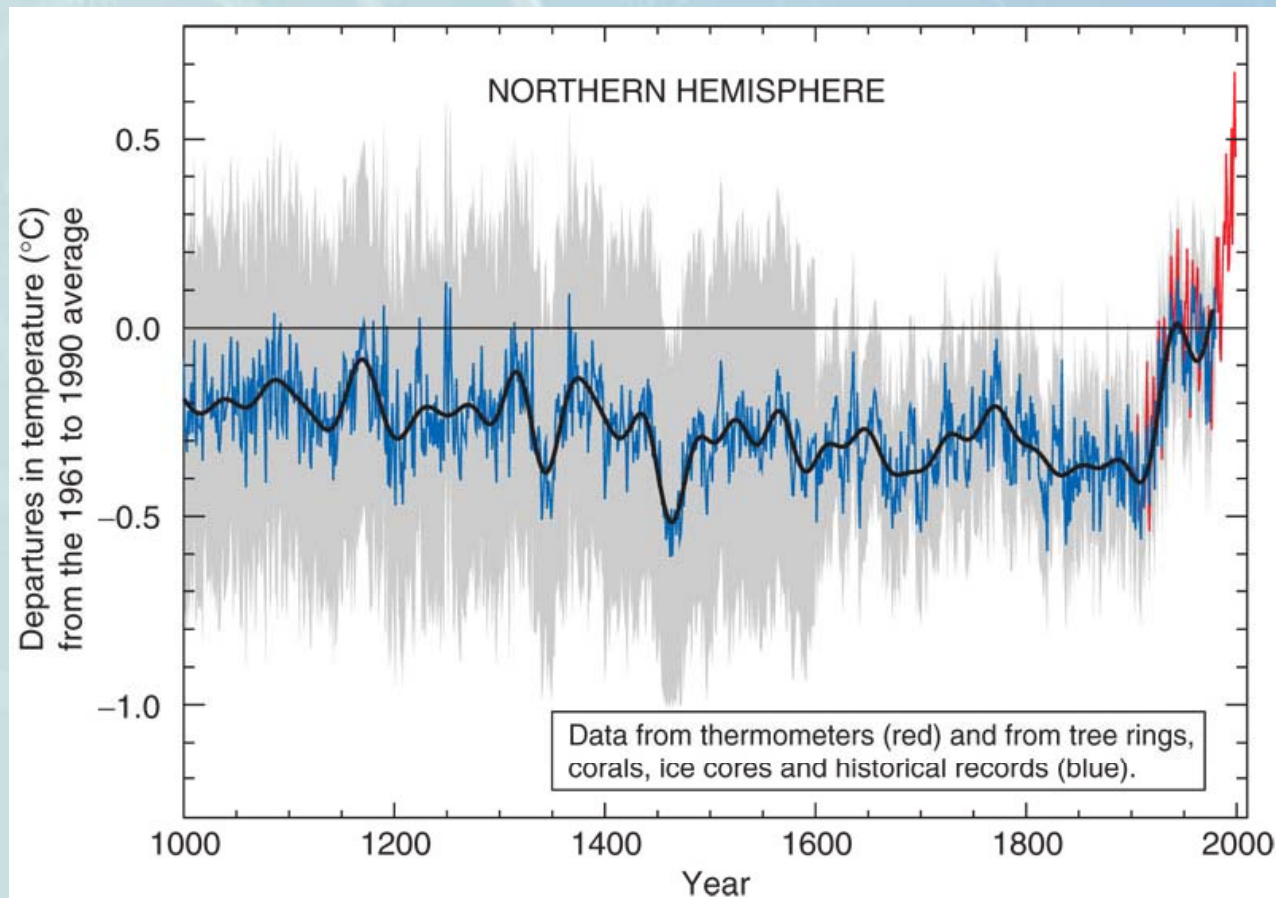
IPCC

www.ipcc.ch

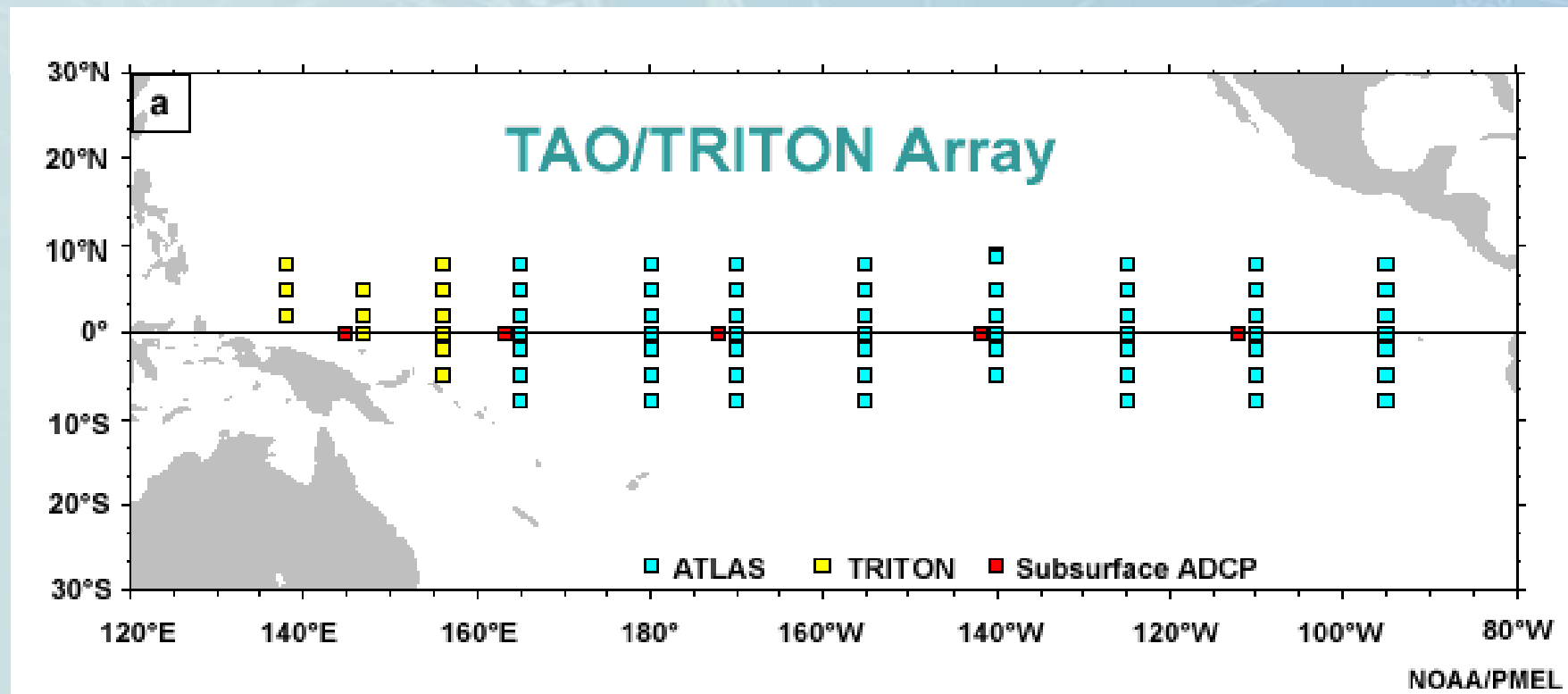




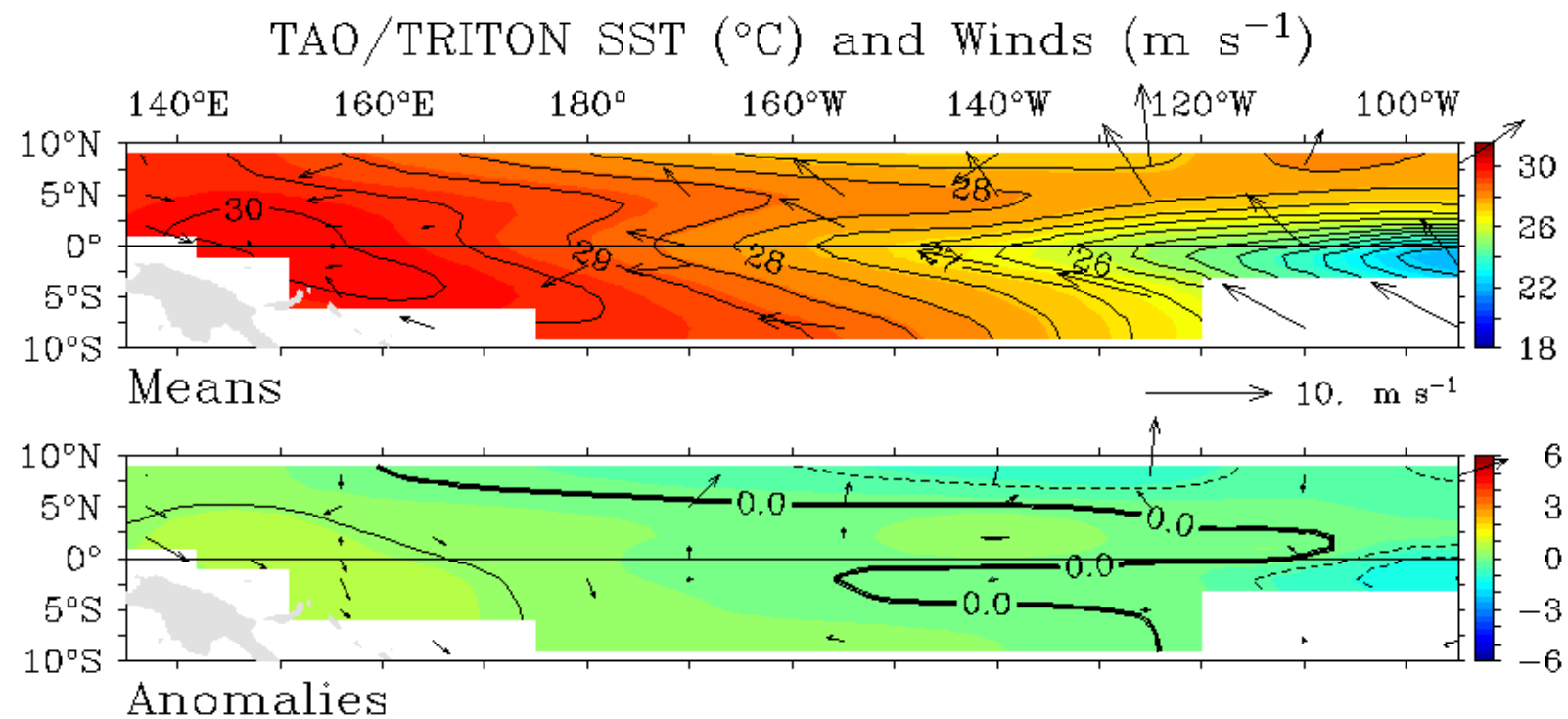
Climate Data as a reference point



Ocean Data Resources

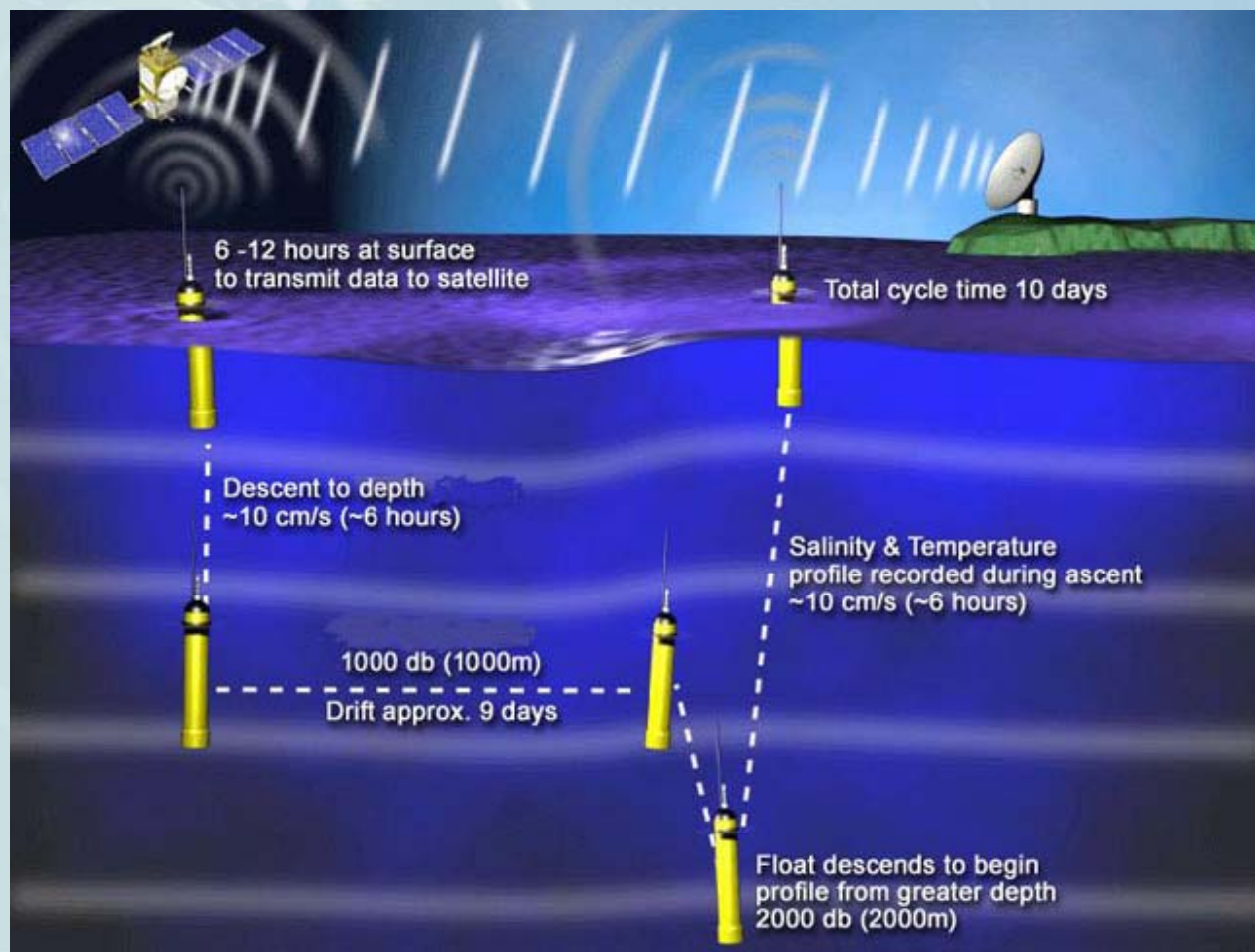


OCEAN DATA

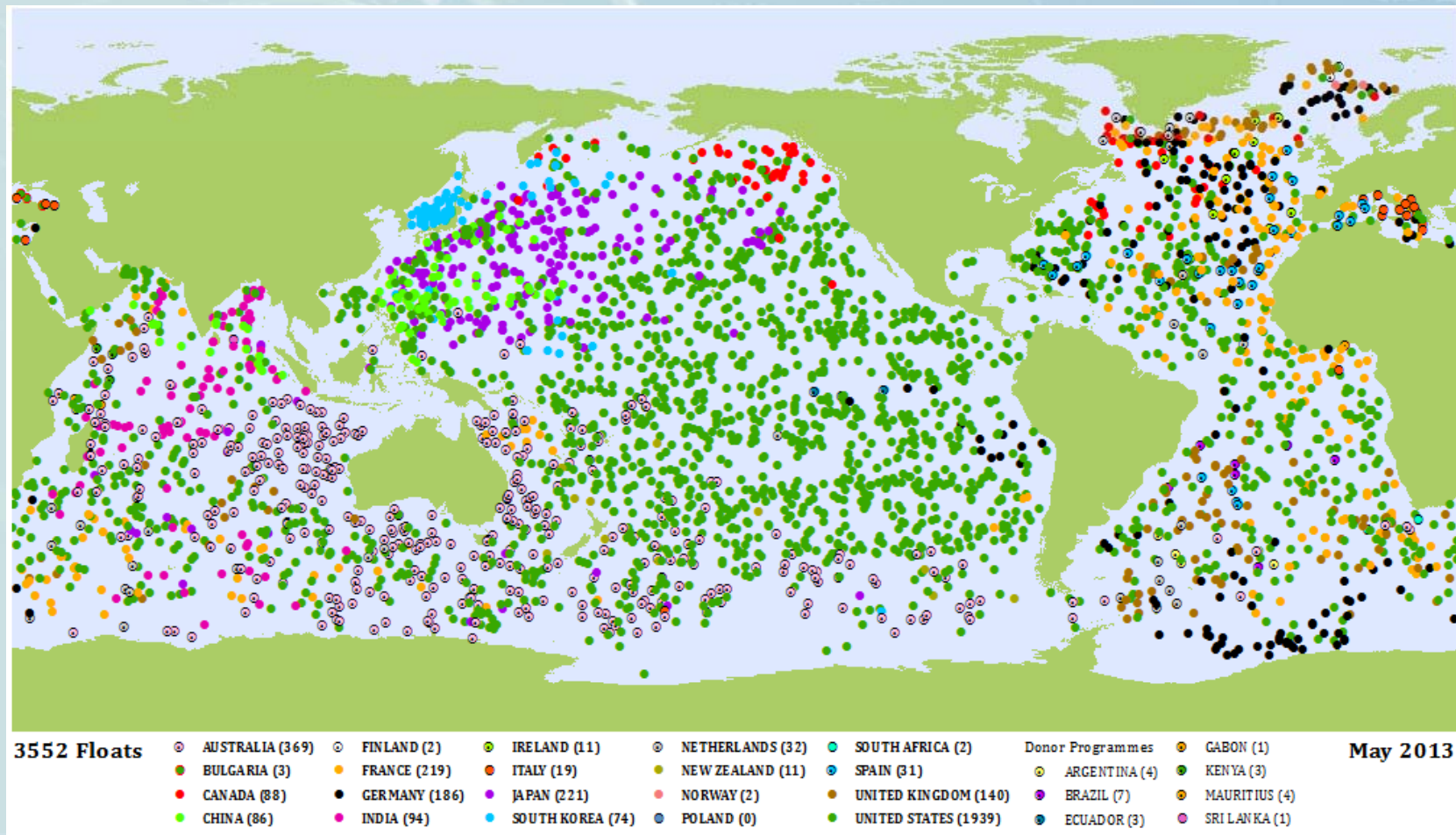


Five-Day Mean Ending on July 2 2013

ARGO



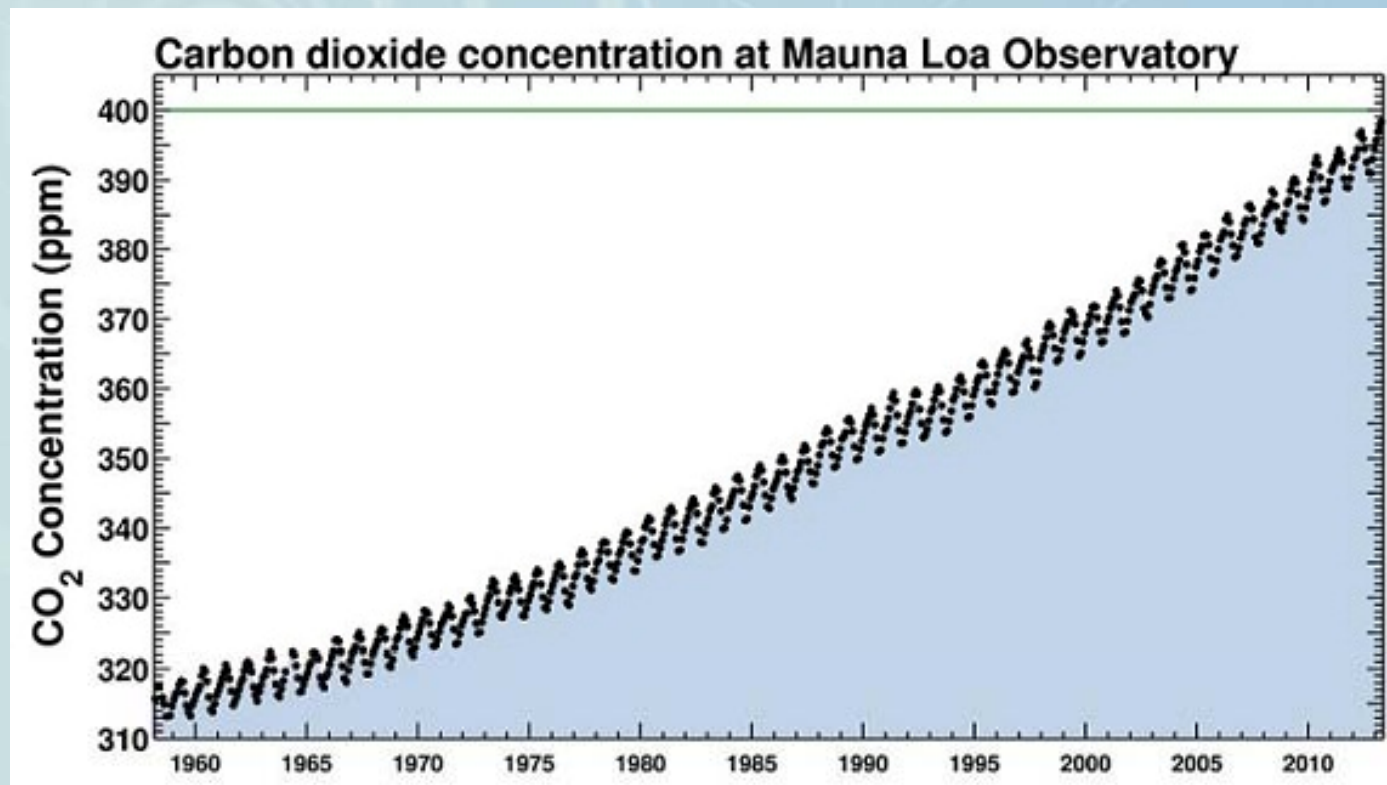
ARGO FLOAT STATUS



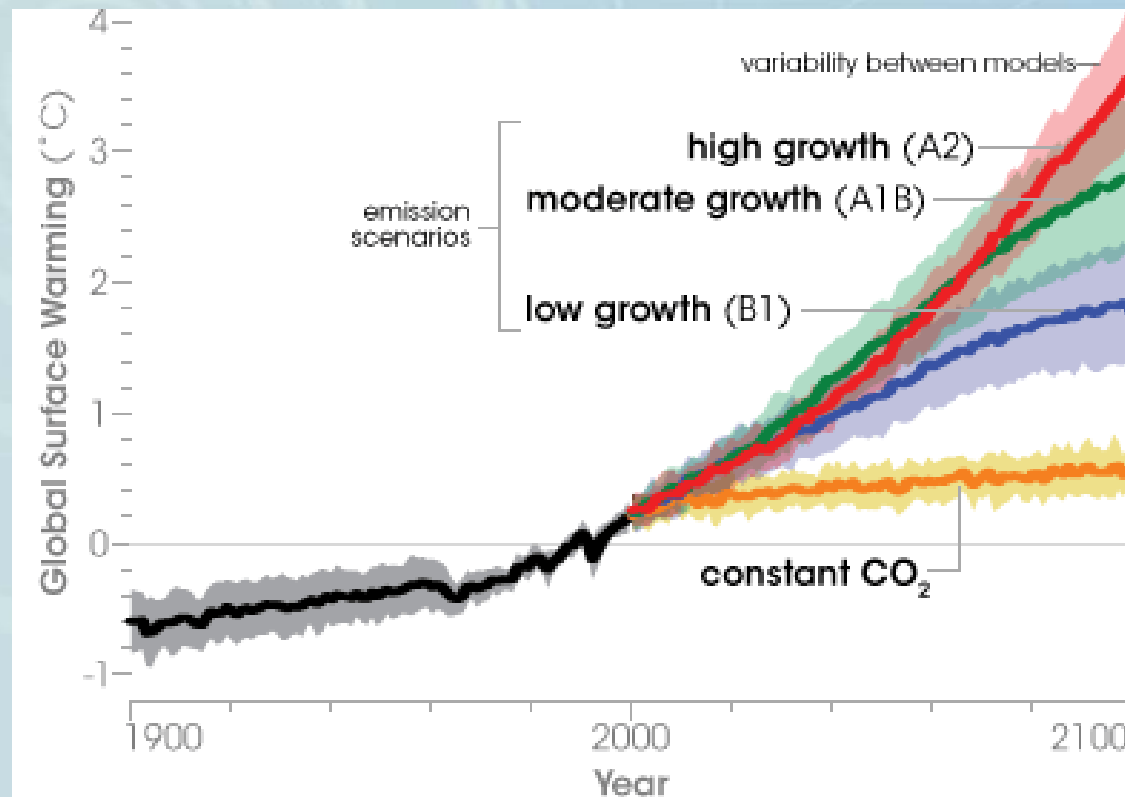
Carbon Dioxide

- The present level is higher than at any time during the last 800,000 years,
- and likely higher than in the past 20 million years.

CO₂ Concentrations



WHERE ARE WE HEADING?



SUMMARY

- Data is the foundation on which climate projections are made.
- If we don't know where we are, we don't know where we are going to.
- Adaptation is dependent upon knowing with some certainty what future climate will look like
- Climate data is therefore critical to ALL adaptation planning and decision making