

Pacific Climate Change Roundtable

Climate Science, Observing Systems, and
Resilience

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PCCR 2013 Nadi, Fiji Islands

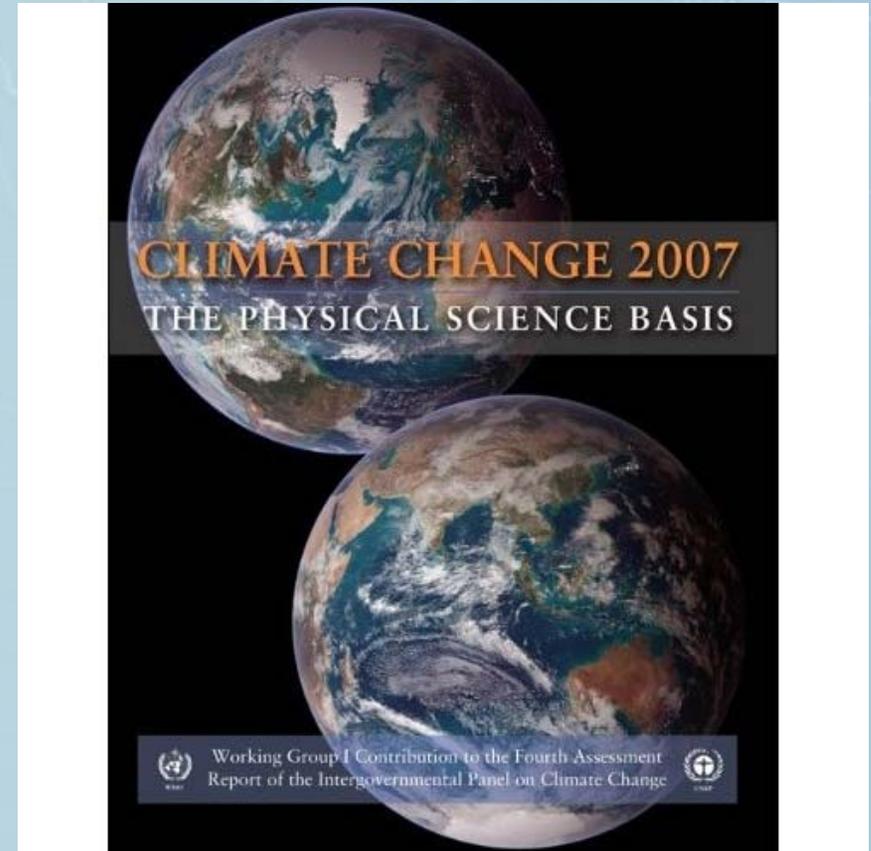
Strengthening the Resilience and Security of Pacific Communities through an Integrated approach to Weather Climate and Water Risks



1. Resources

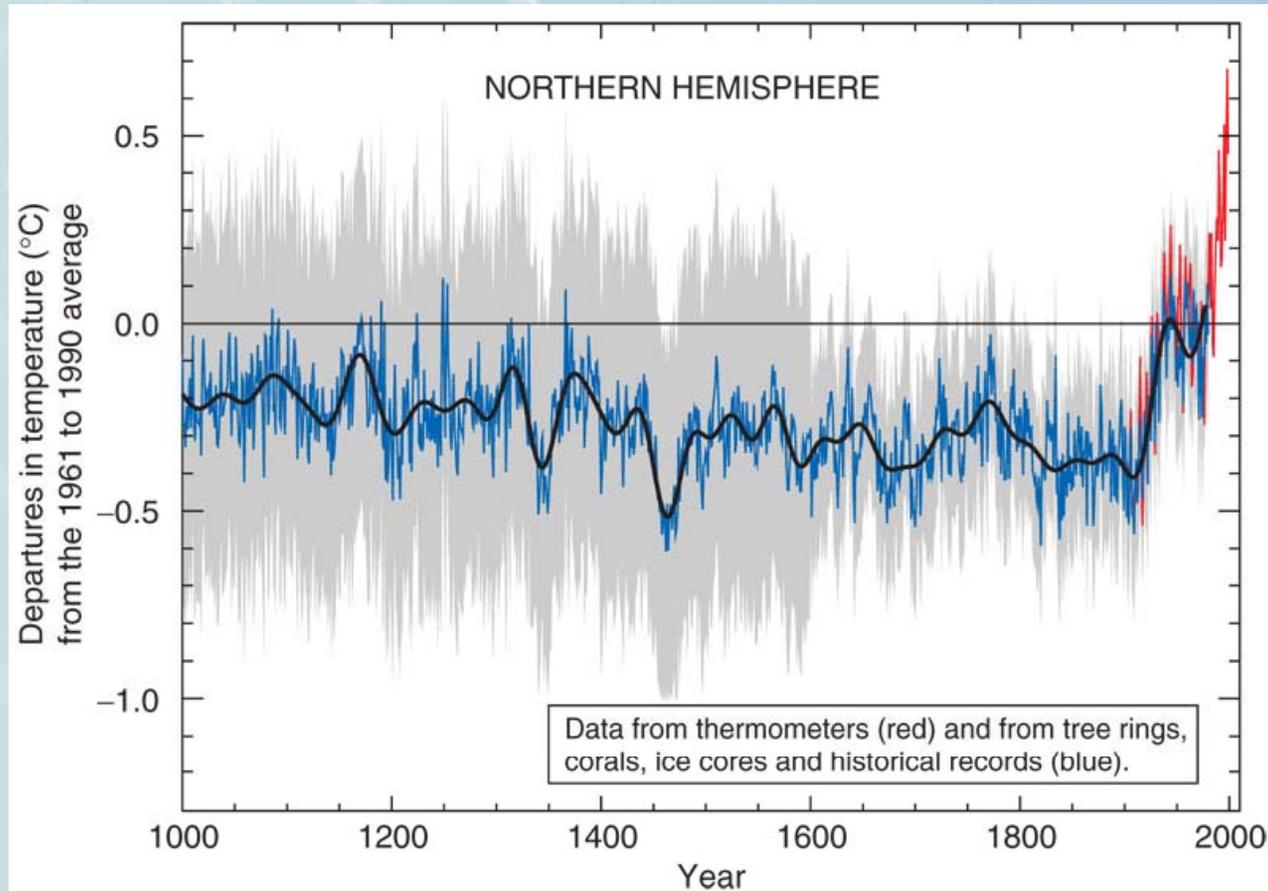
IPCC

www.ipcc.ch

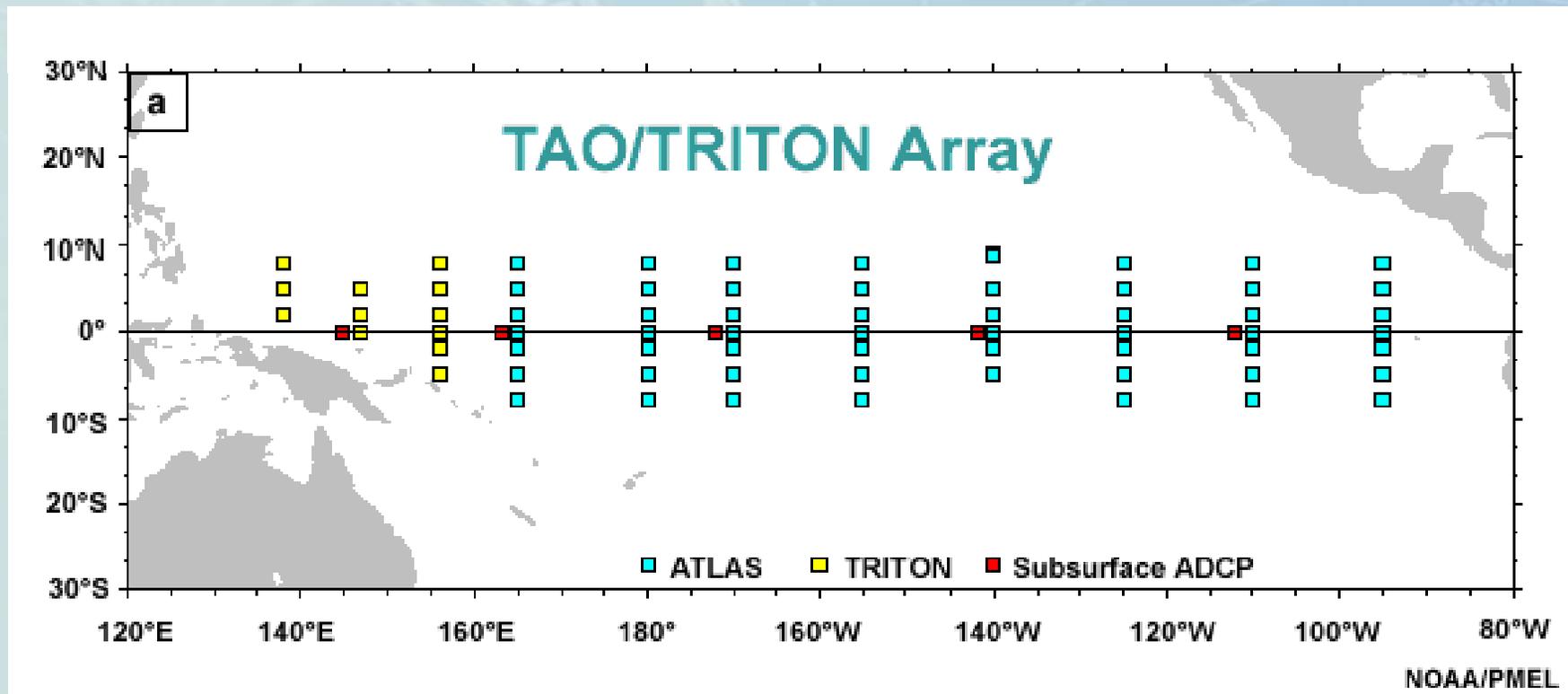




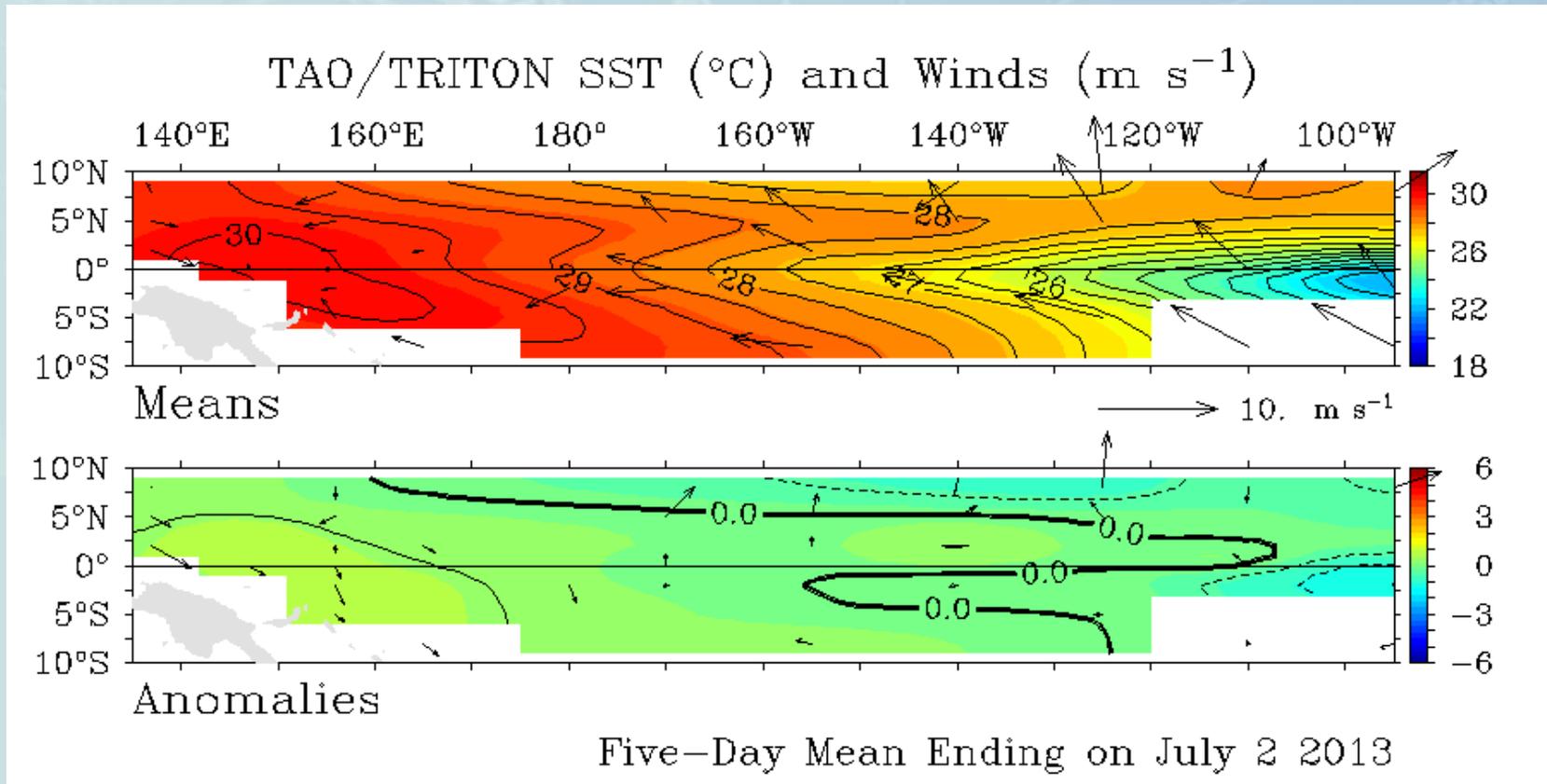
Climate Data as a reference point



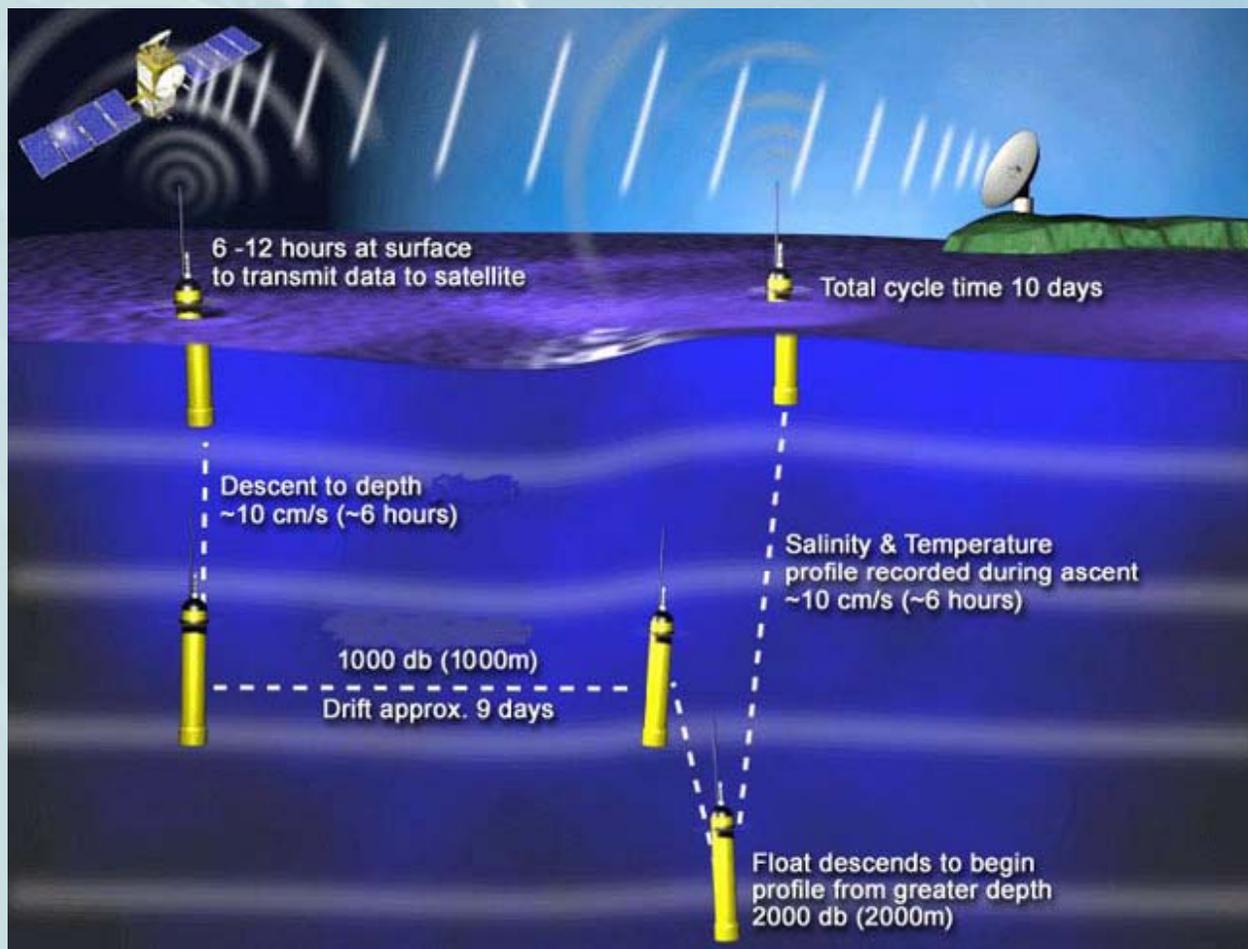
Ocean Data Resources



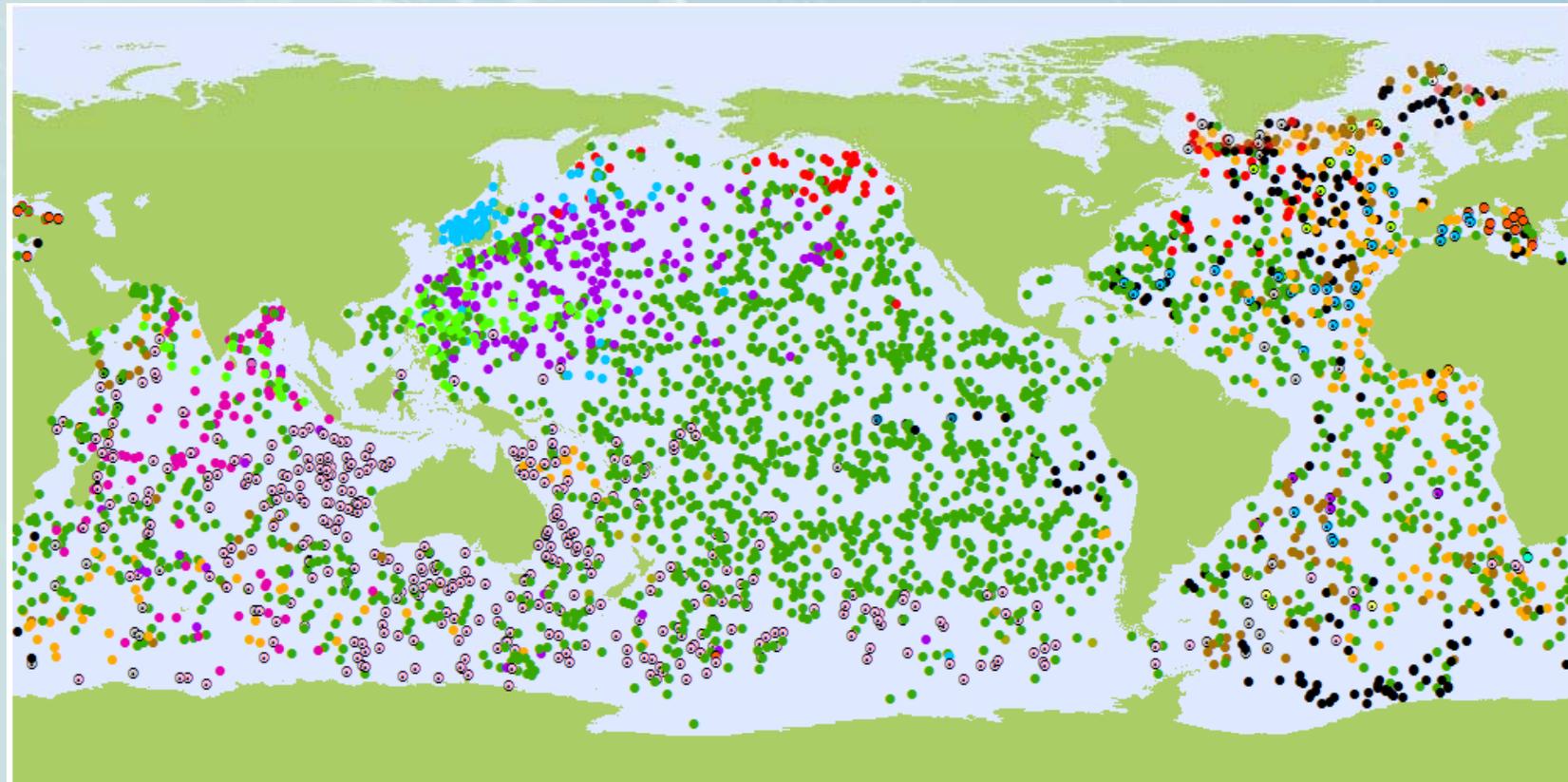
OCEAN DATA



ARGO



ARGO FLOAT STATUS



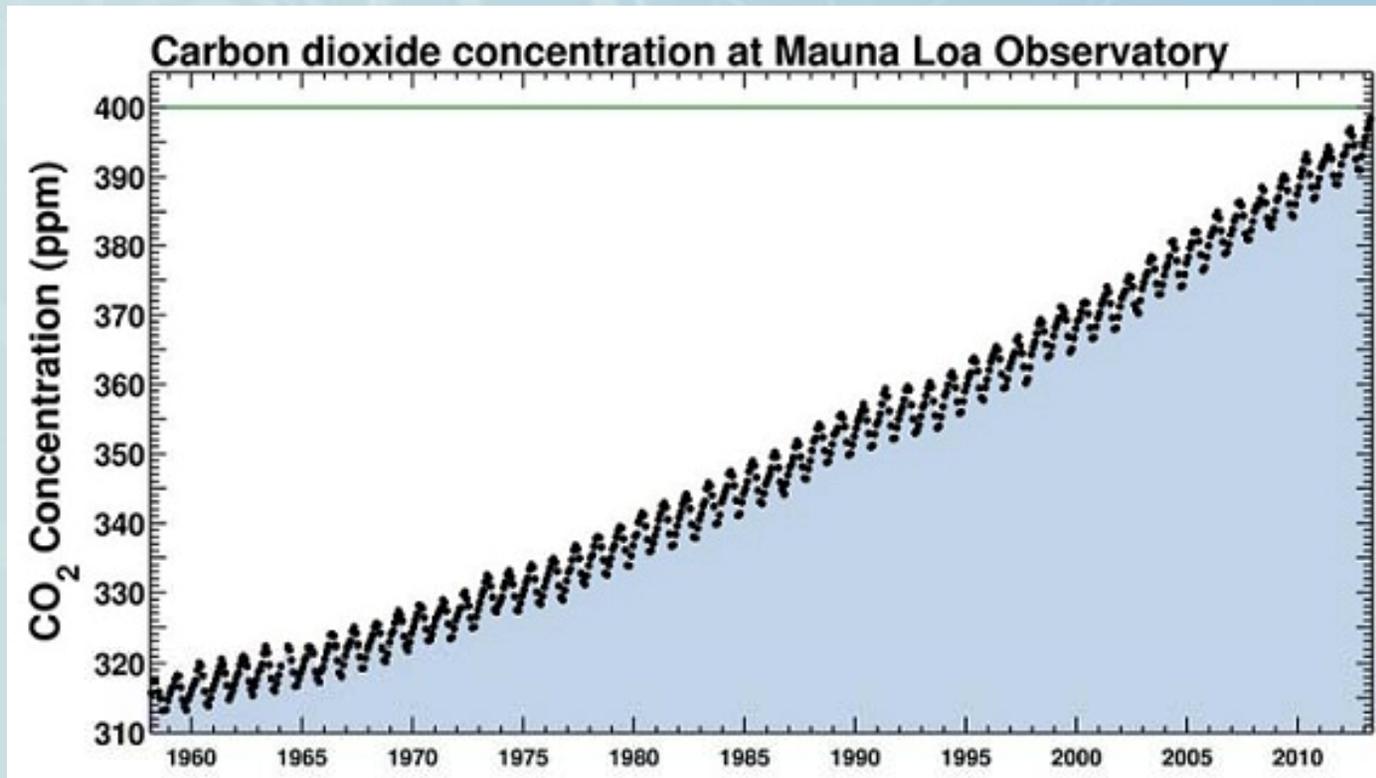
3552 Floats **May 2013**

○ AUSTRALIA (369)	○ FINLAND (2)	○ IRELAND (11)	○ NETHERLANDS (32)	○ SOUTH AFRICA (2)	Donor Programmes	○ GABON (1)
○ BULGARIA (3)	○ FRANCE (219)	○ ITALY (19)	○ NEW ZEALAND (11)	○ SPAIN (31)	○ ARGENTINA (4)	○ KENYA (3)
○ CANADA (88)	○ GERMANY (186)	○ JAPAN (221)	○ NORWAY (2)	○ UNITED KINGDOM (140)	○ BRAZIL (7)	○ MAURITIUS (4)
○ CHINA (86)	○ INDIA (94)	○ SOUTH KOREA (74)	○ POLAND (0)	○ UNITED STATES (1939)	○ ECUADOR (3)	○ SRI LANKA (1)

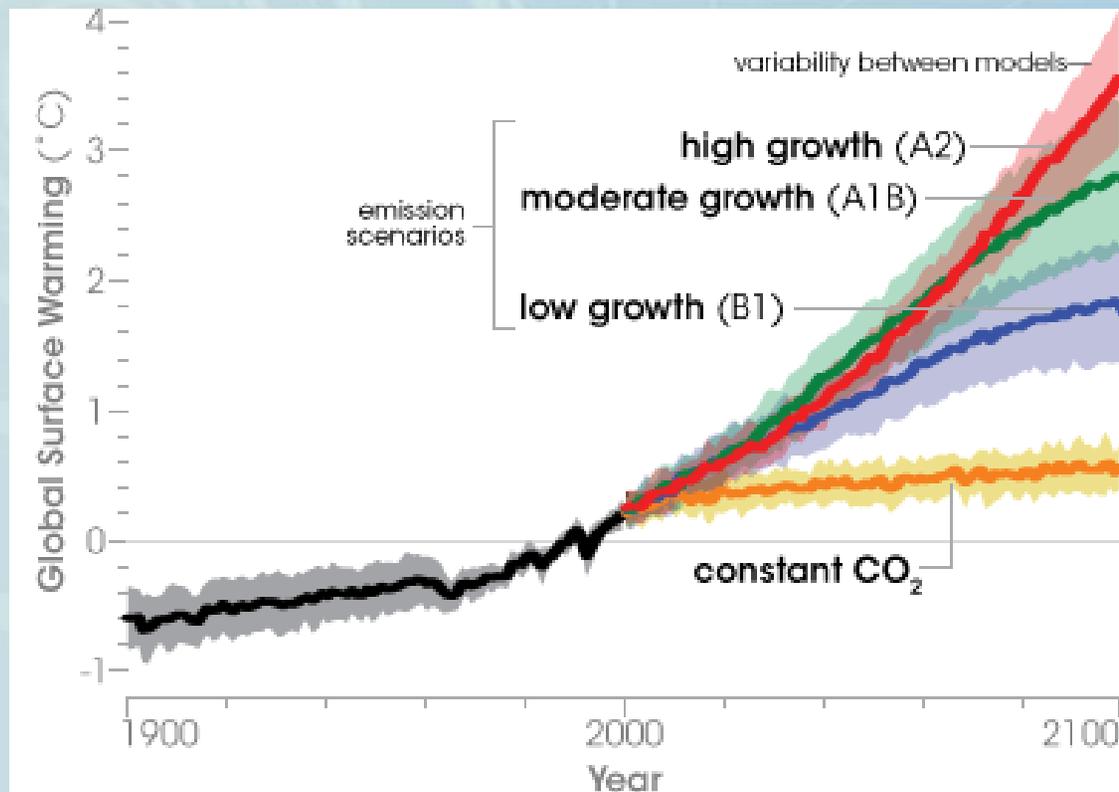
Carbon Dioxide

- 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