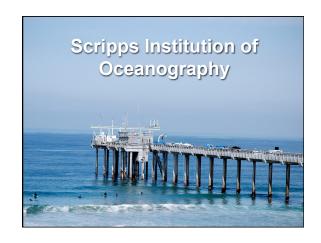


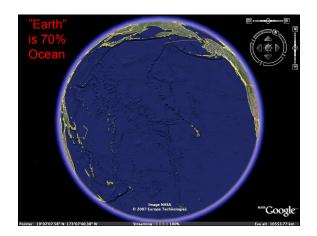
"Behind every Cloud": Massive data use in the Earth Sciences

Tony Haymet and Steve Diggs 2013 July 4 Thanks to Matt Shen and Andrew Barna (SIO)







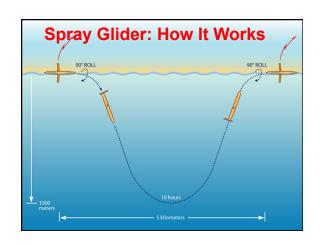




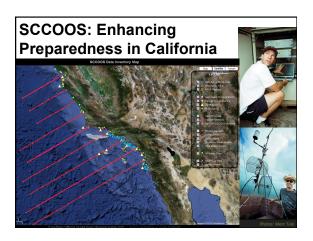


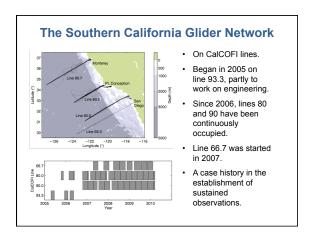










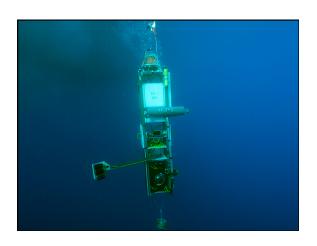


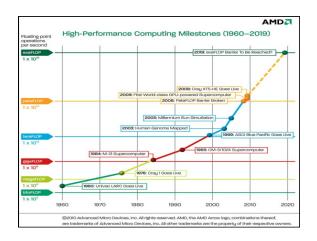


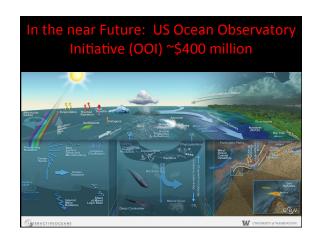






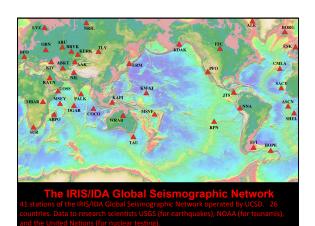


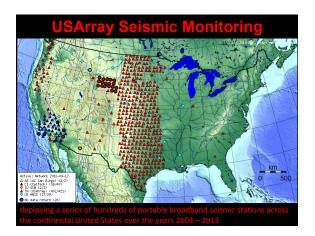




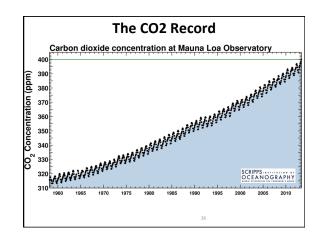
Australia's IMOS: What Is It? • The Integrated Marine Observing System (IMOS) is a

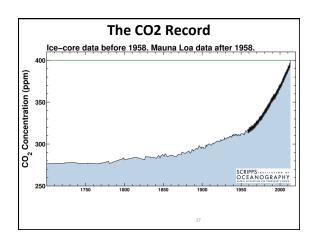
- - National
 - Collaborative
 - Research Infrastructure program
- · It brings together the Australian Universities and Publicly-Funded Research Agencies working in marine and climate science
- It funds them to deploy ocean observing equipment
- And (most importantly) it makes all of the data freely available to the whole community
 - The data streams are the 'research infrastructure' we are creating and developing

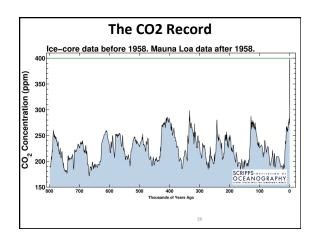










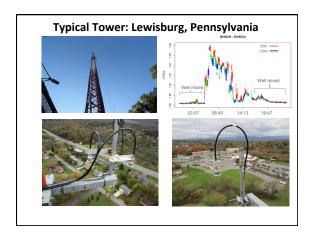


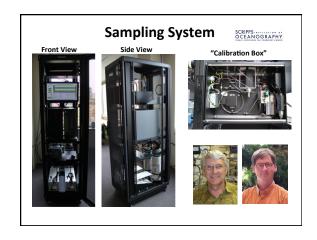


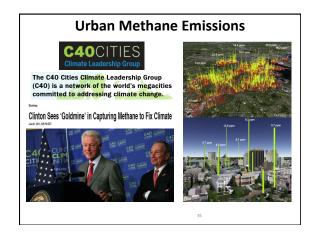


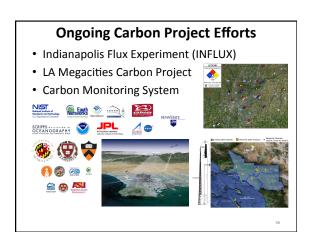














EarthRisk's business model

- TempRisk is the first commercial application with a Comprehensive Empirical Forecast Model used to analyze risks for extreme cold and heat events up to 40 days before they occur.
- TempRisk users make better weather-influenced trades with greater risk visibility – both when high impact weather is more likely and less likely than today's standard models

"Driving better demand based trades with visibility of the risk distribution"

