Hear the latest science on the ocean's response to rapid changes in its chemistry, in parallel with ocean warming. This special **free event** features a series of short talks with the opportunity for audience questions.

The Oceans in a High CO_2 World:

How will the oceans change with rising carbon dioxide?

Atmospheric carbon dioxide (CO_2) levels are rising as a result of human activities, such as fossil fuel burning, and are increasing the acidity of seawater. This process is known as ocean acidification. Historically, the ocean has absorbed approximately 30% of all CO_2 released into the atmosphere by humans since the start of the industrial revolution, resulting in a 26% increase in the acidity of the ocean. Ocean acidification causes ecosystems and marine biodiversity to change. It has the potential to affect food security and limits the capacity of the ocean to absorb CO_2 from human emissions.

MC

- **Dr Alistair Hobday,** Senior Principal Research Scientist
  CSIRO Oceans and Atmosphere, Hobart Tasmania

Speakers

- **Associate Professor Bärbel Hönisch**
  Lamont-Doherty Earth Observatory, NY
- **Assistant Professor Kristy J Kroeker**
  University of California, Santa Cruz
- **Dr Richard Matear**
  CSIRO Oceans and Atmosphere, Hobart Tasmania
- **Dr Luke Brander**
  Environmental Economist, University of Hong Kong

WHEN: 7:30-9:00pm • Wednesday, May 4
WHERE: Hotel Grand Chancellor, 1 Davey St, Hobart
REGISTER: www.events.utas.edu.au
COST: Free entry

The Ocean in a High-CO_2 World

Ocean Acidification

An international science symposium series

May 3-6, Hobart • Tasmania • Australia

www.highco2-iv.org/program

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