

Members attending are welcome to wear a mask.

U3A lectures are for members only.

We regret we're unable to welcome visitors to our lectures – to do so would be unfair to those on the waiting list.

13 Mar **Sailing to disaster: the environmental impacts of cruise ships** *Tim Welch*

Cruise ships have disastrous environmental impacts, from massive fuel consumption to damage to marine life. Research shows that cruise ships are the least sustainable mode of transport, but we often ignore this because cruises bring tourism dollars. This talk will discuss the vast environmental effects of the cruise industry and prospects for more sustainable travel.

20 Mar **Ocean Acidification** *Prof Miles Lamare*

Professor Lamare's expertise is in marine ecology and his research focuses on the response of marine animals to climate change. Ocean acidification refers to the worldwide reduction in the pH of seawater as a consequence of the absorption of increasing amounts of carbon dioxide (CO₂).

He is involved in international collaborations addressing important issues such as polar species responses to warming; coral reef decline; species range shifts; and adaptive potential in marine species.

27 Mar **What is in our Oceans?** *Dr Bridie Allan*

Dr Allan's research explores how environmental changes can alter the mechanisms underlying population processes. She investigates a wide range of impacts including climate change, oil pollution, habitat disturbance, micro plastic pollution and other human activities that influence the physiology, behaviour and survival of fish.

2023 PROGRAMME DATES:

SERIES 1: Mar 13, 20, 27

SERIES 2: Apr 3, 17

SERIES 3: May 8, 15, 22

SERIES 4: Jun 12, 19, 26

SERIES 5: Jul 10, 17

SERIES 6: Aug 7, 14, 21

SERIES 7: Sep 4, 11, 18

SERIES 8: Oct 2, 9, 16

SERIES 9: Nov 6, 13, 20

Meetings

West End Hall, 35a Maltby Avenue, Timaru.
Lectures may start a few minutes before 1.30 pm and conclude about 2.30 pm with questions to follow.
Coffee/tea will be provided after the meeting.

As a courtesy to our speakers and other members, please

Be seated by 1.20 pm.

Turn your cell phone off.

Wait until the end of the lecture before asking questions.

Stand when asking a question, and wait for the microphone.

Wear your name tag.

No talking during lectures.

OFFICE BEARERS AND COMMITTEE

President: Kevin Foley: Phone: (03) 686 2209
Vice President: Reese Hart
Secretary: Léonie Litten: u3atimaru@gmail.com
Treasurer: Ron Paulin
Members: Solome Mair, Julian Maze, Jude McKenzie, Bob Cumming

Postal address

U3A Timaru
PO Box 4024
Highfield
TIMARU 7942

**PLEASE NOTE: U3A TIMARU - ANNUAL GENERAL MEETING - TO FOLLOW THE FIRST LECTURE ON
MONDAY, 13 MARCH 2023.**