

Workshop on Ozone in the Lower Atmosphere in Oceania: First Regional Workshop of the Tropospheric Ozone Assessment Report phase II (TOAR-II)

Location:

Priestley Lecture Theatre, CSIRO Oceans and Atmosphere, Climate Science Centre

107-121 Station Street, Aspendale, Victoria, Australia

Dates/Times:

31 March – 1 April 2020 09:00-17:00

Convenors:

Ian Galbally

Susie Molloy

Background:

Ozone is a key constituent of the lower atmosphere, affecting human health and plant growth as well as contributing to atmospheric radiative forcing.

The Tropospheric Ozone Assessment Report Phase I (<http://www.igacproject.org/activities/TOAR>) was the first worldwide peer reviewed study of the impacts of tropospheric ozone. Individuals and institutions within Oceania, Australia, New Zealand, Indonesia and some Indian Ocean and Pacific Islands contributed data from 69 sites to the TOAR global database (<https://doi.org/10.1594/PANGAEA.876108>), and participated in 4 of the 8 summary studies, published, collectively the final report of the TOAR (phase I) activity (<https://collections.elementascience.org/toar>). TOAR-II has been accepted by IGAC (the overarching body) as an extension of TOAR for the next 5 years and will continue global and regional studies of ozone and its precursors in the lower atmosphere, affecting human health and plant growth as well as contributing to atmospheric radiative forcing.

Purpose:

The Workshop will provide: a focus for discussion of ozone research as a major air quality issue and the development of control strategies in Oceania; an opportunity to understand, participate and influence the international studies of TOAR-II; acknowledge the contributions to TOAR (phase I) from stations in Australia, New Zealand, Indonesia, Pacific and Indian Ocean Islands; and an opportunity for further networking and collaborative activities on these issues within Oceania. The workshop takes advantage of the visit to Australia of Dr Martin Schultz, Co-Chair of TOAR Phase -II and Group Leader Earth System Data Exploration, Department of Federated Systems and Data, Jülich Supercomputing Centre, Germany.

Program:

Workshop (contributions on the following topics as Oral presentations (10 minutes presentation, 5 minutes questions) or Poster presentations are sought)

- Overviews of Tropospheric Ozone Assessment Report phases 1 & 2
- Health impacts, plant damage and climate forcing by ozone in Oceania
- Studies of ozone in the lower atmosphere in Oceania (air quality networks, ozone-sondes, aircraft and remote-sensing)
- Anthropogenic and natural emissions of ozone precursors in Oceania
- Control strategies for ozone in Oceania: past successes, their limitations and current plans
- Modelling ozone over Oceania
- Discussion of further collaboration and possible actions.

Tutorial – Martin Schultz

A hands-on tutorial on the TOAR data services and modern data analysis tools and workflows. These tools are suitable for students/practitioners of environmental/climate science working with big data from distributed sources.

Registration:

Places are limited. Preference for attendance will be given to professionals and students working in these areas.

Cost:

No charge for attendance. Morning/afternoon tea and lunch will be provided.

Workshop dinner:

TBC

Travel and Accommodation:

Driving there?

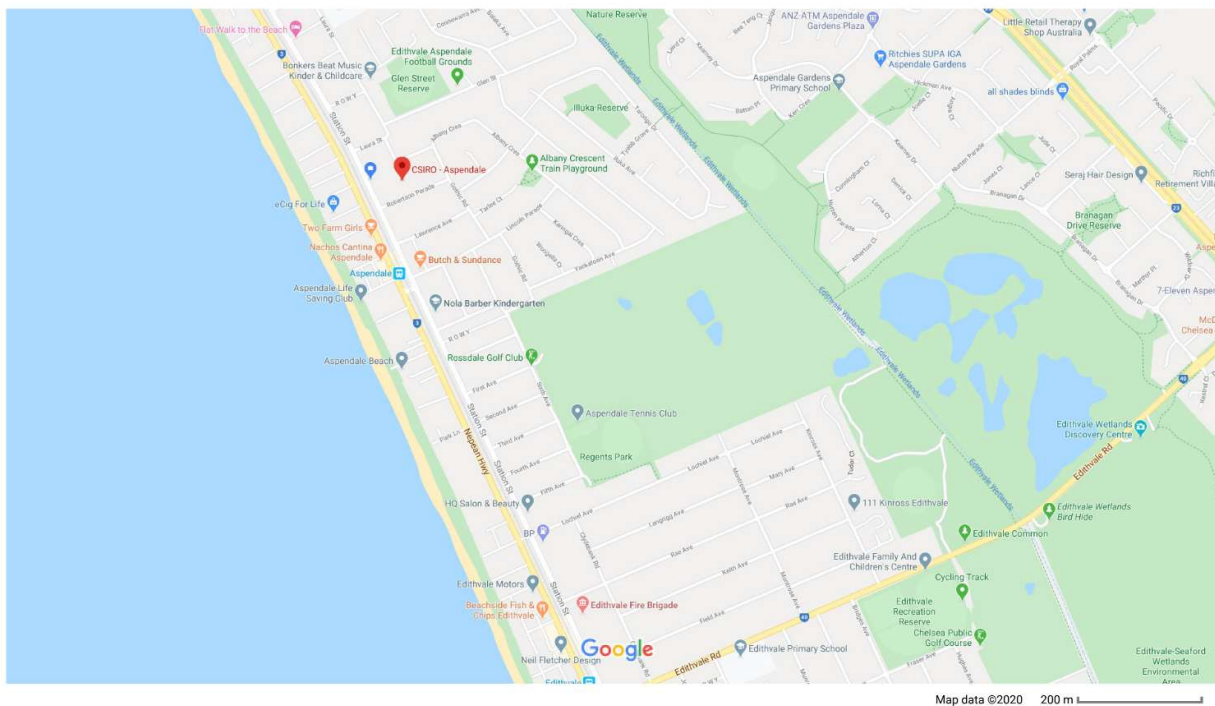
Vehicle parking is available in the front car park accessed via Robertson Parade or Station Street.

Taking public transport?

The site is also easily accessible by public transport via Aspendale Train station on the Frankston Line, followed by a short walk. Please remember to purchase a Myki card.

Map:

<https://www.google.com/maps/place/CSIRO+Aspendale/@-38.0248383,145.1020958,15z/data=!4m5!3m4!1s0x0:0xa051062f43b5a60a!8m2!3d-38.0248383!4d145.1020958>



Accommodation:

Accommodation options around Aspendale are limited. A selection of accommodation options is provided below for your convenience. Staying somewhere along the Frankston train line will help with transportation.

Accommodation near Aspendale

Best Western Buckingham International
1130 Nepean Hwy, Highett
PH 03 9555 0011; Fax 03 9555 0044
www.thebuckingham.com.au

Parkdale Motor Inn
200 Nepean Hwy, Parkdale
PH 03 9584 4222; Fax 03 9583 0723
www.parkdalemotorinn.com.au

Quest Frankston
377 Nepean Hwy, Frankston
PH 03 8796 1000
www.questfrankston.com.au

Beachside Apartments Bonbeach
536-537 Nepean Highway, Bonbeach
PH 03 9772 6516
www.beachsideapartments.net

Quest Brighton Beach
250 Esplanade, Brighton
PH 03 9591 5000
<http://www.questbrightononthebay.com.au/>

Hemisphere Conference Centre and Hotel
488 South Road, Moorabbin
PH 03 9093 7999
www.hemisphere.com.au

Brighton Savoy
150 the Esplanade, Brighton
PH 03 9592 8233
www.brightonsavoy.com.au

Aspendale Shore Motel
31 Nepean Highway, Aspendale
PH 03 9580 6140
www.aspendaleshoremotel.com.au

Quest Cheltenham
37-39 Station Road, Cheltenham
PH 03 8523 5800
www.questcheltenham.com.au

Balcombe Serviced Apartments
Parkdale
PH 03 9580 3121
<http://balcombeapartments.com.au/>

A range of options are also available on AirBnB or Stayz or other booking sites such as TripAdvisor

Accommodation in the city

Aston Apartments
40 Powell Street, South Yarra

PH 03 9866 2953; Fax 03 9867 8685
www.aston-apartments.com.au/

Hotel Sophia
277-287 King Street, Melbourne
PH 03 9670 1342; Fax 03 9602 1018
www.hotelsophia.com.au

TOAR Oceania Workshop

The Workshop is hosted by the Climate Science Centre, CSIRO Oceans and Atmosphere.

Organising Committee

Ian Galbally Co-convenor
Suzie Molloy Co-convenor
Rob Gillett
Nada Derek
Colette Leary