

# 2016 ROMS Asia-Pacific Workshop

Hobart, Tasmania  
Australia  
October 17 - 21, 2016



ANTARCTIC CLIMATE & ECOSYSTEMS  
COOPERATIVE RESEARCH CENTRE



Organized by: **Hernan G. Arango, John L. Wilkin, Andrew M. Moore,  
David Gwyther, Ben Galton-Fenzi, and Andreas Klockner**

[http://www.myroms.org/tasmania\\_workshop](http://www.myroms.org/tasmania_workshop)

# 2016 ROMS Asia-Pacific Workshop

Hobart, Tasmania

Australia

October 17 - 21, 2016

**RUTGERS**

Department of Marine  
and Coastal Sciences



**IMAS**  
INSTITUTE FOR MARINE AND  
ANTARCTIC STUDIES



ANTARCTIC CLIMATE & ECOSYSTEMS  
COOPERATIVE RESEARCH CENTRE



**ANTARCTIC  
GATEWAY PARTNERSHIP**

A Special Research Initiative of  
the Australian Research Council



**UNIVERSITY of  
TASMANIA**

The workshop will be jointly hosted by the Antarctic Climate & Ecosystem CRC and the Antarctic Gateway Partnership at the Institute for Marine and Antarctic Studies, University of Tasmania, located in Hobart, Australia.

Understanding ocean dynamics and interactions with the cryosphere at high latitudes is critically important as we adapt to a changing global climate. As such, the workshop will be run as a standard ROMS workshop, but with a distinct polar flavour. The workshop will consist of three components: 1) a regular user workshop with invited presentations and opportunities to present results (2 days), 2) a user short course (2 days), for those interested in learning more about applying ROMS to polar applications, and 3) A user short course (1 day), for those interested in learning more about data assimilation (4D-Var).

This workshop will cover a range of topics including:

- Variational methods and applications (4DVAR and Ensemble Kalman)
- Sea ice/ocean/atmosphere modelling
- Ice sheet/ocean modelling
- General coupled modelling
- Advances in coastal modelling: nesting

There will be some travel co-funding available for early career scientists (including PhD students). Details of the application process will be announced on the ROMS website. The cost of the workshop and user course will be covered.

The workshop will be held at the Institute for Marine and Antarctic Studies building on the Hobart Waterfront, Tasmania, Australia. Hobart is Australia's hub for Antarctic and Southern Ocean activities, such as scientific research and education.

**Local organisers:** David Gwyther, Ben Galton-Fenzi, and Andreas Klocker

**ROMS organisers:** Hernan G. Arango, John L. Wilkin, and Andrew M. Moore