

ESASTAP workshop - 'Current status and key requirements for numerical models of the Agulhas Current'

22nd and 23rd October 2018, University of Cape Town

Dear All

I am glad to be able to share the final dates and agenda for the joint European-South African ESASTAP workshop with you. The dates for the workshop have been set, as the 22nd and 23rd of October. Please find below a summary of the ESASTAP workshop meeting agenda and desired outcomes. The workshop has limited spaces, but is available to all researchers and students with an interest in the Agulhas System or ocean modelling around Southern Africa. Please fill in [this form](#) to confirm your interest in the workshop.

AGENDA

Summary of meeting discussion themes:

1. Physical processes (Energy and vorticity cycles)

Lead: Pierrick Penven

2. Air-sea interaction

3. Coastal-offshore interaction

Lead: Marjolaine Krug

4. Deep circulation

Lead: Julie Deshayes

Crosscutting discussion sessions:

1. Biological cycles and modelling, larval dispersion applications

Chair: Charine Collins

2. Operational oceanography systems and the blue economy

Chair: Deirdre Byrne

3. Observing system requirements towards better predictability

Chair: Marjolaine Krug

4. Review paper on modelling work in the Agulhas Current

Chair: Juliet Hermes

Meeting outcomes and goals

Framework around which to write an Agulhas Current modelling review paper

- What are the most crucial missing physical processes across the different modelling platforms?
- What work will have the biggest impact in moving the science forward as a community, what scale is most important for work to be relevant to an integrated ocean observing system?
- What are the chief drivers of model divergence, how will this be affected by increasing resolution?
- What observations are most important for progress? Are there specific experiments we could do with the models to test the value of additional observations ?

Goal 1: Identify commonalities which have emerged from studies undertaken on all platforms since the Chapman conference of 2012.

Goal 2: Identify the most important missing physics hindering model performance.

Goal 3: Agree on a future vision of what observations are a priority to develop alongside new modelling efforts into the submesoscale and operational spheres.

Goal 4: Identify lead authors and structure for a review paper on modelling the Agulhas Current.

