

# WORKSHOP on

## HIGH-RESOLUTION OCEAN MODELLING FOR COUPLED SEAMLESS PREDICTIONS

*MET OFFICE, EXETER, UK*

*13-15 April 2016*

This workshop will look at the scientific development of ocean models and global coupled prediction systems at resolutions of order  $1/12^\circ$  for seasonal to decadal prediction and short-range weather forecasting focusing on the following themes:

Coupled  $1/12^\circ$  ocean

Coupled  $1/4^\circ$  ocean

Coupled  $1^\circ$  ocean

**Theme 1:** Why is high resolution ocean modelling required? What are the expected improvements to processes and science outcomes?

**Theme 2:** Development of coherent designs and collaborations for experiments

**Theme 3:** What are the numerical, HPC and parameterisation challenges of high resolution?

For each theme, there will be invited and selected oral presentations, a poster session and a discussion with chair and moderators.

Further details on the program, abstract submission, and registration:

<https://www.qoaae-oceanview.org/outreach/meetings-workshops/external-meetings-supported-by-gov/international-coupled-seamless-prediction-meeting/>

**Organizing committee:** David Ferreira (University of Reading), Adrian New (National Oceanography Centre), Mike Bell, Malcolm Roberts, Helene Hewitt (Met Office)