

## PROGRAMME

### Wednesday 12 November 2014

- GlobCurrent: Ocean current information at your fingertips --  
JA Johannessen (GlobCurrent Project Leader)  
▪ New sensors; New data -- B Chapron (IFREMER)  
▪ Further presentations by keynote speakers -- Mike Bell (UK Met Office)  
▪ Presentations on User Requirements  
▪ Poster session

### Thursday morning 13 November 2014

- Breakout discussion groups
- GlobCurrent Training Course on Accessing products and information

## FURTHER INFORMATION

Detailed technical and scientific information on the UCM will be found on the website at [www.globcurrent.org](http://www.globcurrent.org)

Follow us on Twitter: [@globcurrent](https://twitter.com/globcurrent)

## IMPORTANT DEADLINES

- Submission of abstracts \_\_\_\_\_ 25 August 2014  
Deadline for registration (no fee) \_\_\_\_\_ 25 September 2014  
GlobCurrent User Consultation Meeting \_ 12-13 November 2014

## REGISTRATION

There is no registration fee.

Confirmation of attendance is required by 25 September 2014.

<https://registrationpml.wufoo.eu/forms/globcurrent-user-consultation-meeting/>

## CONTACT POINTS

Graham Quartly/Jamie Shutler  
(gqu@pml.ac.uk / jams@pml.ac.uk)

Plymouth Marine Laboratory (PML), The Hoe, Plymouth PL1 3DH, UK

## SCIENTIFIC COMMITTEE

**Ad Stoffelen** | KNMI, The Netherlands

**Øyvind Breivik** | MET, Norway

**Francisco Ocampo-Torres** | CICESE, Ensenada, Mexico

**Jordi Isern-Fontanet** | IC3, Spain

**Mathieu Rouault** | NTC/UCT, South Africa

**Bertrand Chapron** | Ifremer, France

**Fabrice Collard** | ODL, France

**Johnny Johannessen** | NERSC, Norway

## ORGANIZING COMMITTEE

**Graham Quartly** | PML, UK

**Jamie Shutler** | PML, UK

**Jean-Francois Piolle** | Ifremer, France

**Fabrice Collard** | ODL, France

**Cristina Martin-Puig** | isardSAT, Poland

**Marie-Helene Rio** | CLS, France

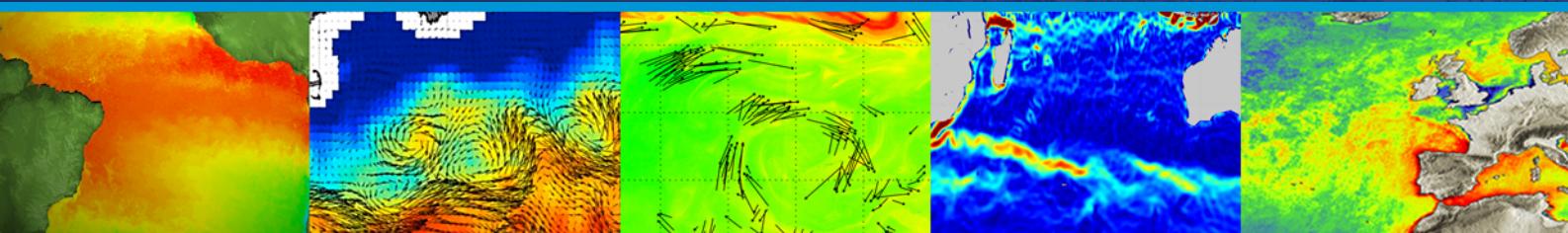
**Rick Danielson** | NERSC, Norway

**Craig Donlon** | ESA-ESTEC, The Netherlands



## → GLOBCURRENT USER CONSULTATION MEETING

Observing surface currents from space



12–13 November 2014 | Plymouth, UK

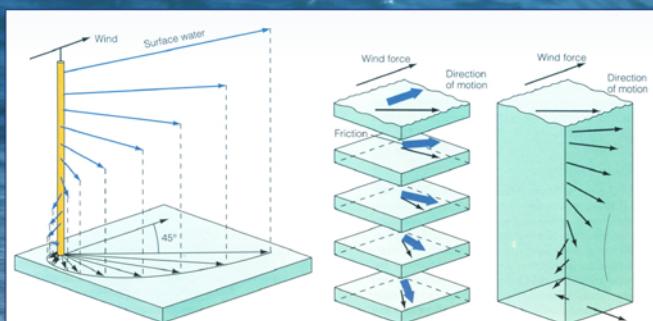
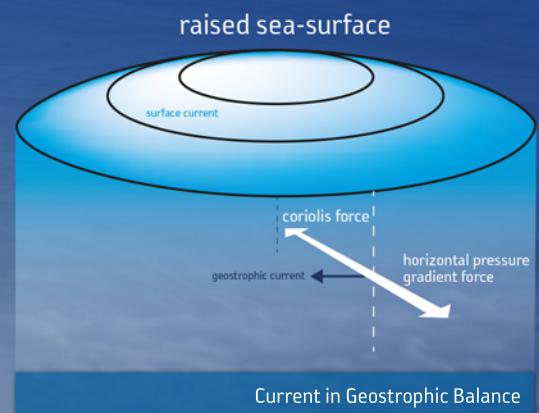
## INTRODUCTION

Thanks to satellite and in-situ observations, combined with high resolution numerical ocean models, the last decade has seen advances in the knowledge of the global ocean surface dynamics, filled with a large number of various mesoscale ( $\sim 100$  km) and sub-mesoscale ( $<\sim 10$  km) meandering surface currents and eddies. However, the challenge is to accurately quantify the surface current associated with these features. Multi-variable observations from past and presently operating remote sensing satellite sensors, including altimeters, gradiometers, scatterometers, SAR, IR and passive microwave radiometers and spectrometers provide information on various aspects of the ocean surface currents, but there is an inconsistency in coverage, spatial scales, depth representation and whether, for instance, tides and wind components are included.

The ESA-funded GlobCurrent project aims to provide a synergistic combination of these multiple sensing technologies and their differing depth dependency together with a range of processing methods and tools. This User Consultation Meeting offers a preview of early work from the first year of the project and an opportunity to influence the future development through evaluation of preliminary products, clarification of user requirements and discussion of how the system will develop.

## ACKNOWLEDGEMENTS

The GlobCurrent project is funded by the Data User Element, which is a programmatic element of the 4th period of the European Space Agency's Earth Observation Envelope Programme. The DUE mission is to encourage the establishment of a long-term relationship between end user communities and Earth Observation. The DUE philosophy is to Develop, Operate and Transfer Research and Development (R&D) activities that support user-driven applications of ESA Earth Observation (EO) satellite data.



The Ekman spiral

