



## Marine Climate Change Impacts Partnership

Dear MCCIP news subscriber,

The MCCIP website has recently been updated with new marine climate change news and events. Below is a brief summary of the new items that have been added. For more details on all of the items listed below, simply go to [www.mccip.org.uk](http://www.mccip.org.uk) and go to the relevant links in the 'news and events' box on our homepage. Please note that the material presented in MCCIP news does not necessarily reflect the views of MCCIP.

- **[Climate impacts on marine biodiversity](#)**

New research into the impact of climate change has found that warming oceans will cause profound changes in the global distribution of marine biodiversity. In a study published in the journal Nature Climate Change an international research team modelled the impacts of a changing climate on the distribution of almost 13 thousand marine species, more than twelve times as many species as previously studied. The study found that a rapidly warming climate would cause many species to expand into new regions, which would impact on native species, while others with restricted ranges, particularly those around the tropics, are more likely to face extinction.

- **[Science Education for Responsible Citizenship](#)**

The EU has set ambitious goals: to promote smart, sustainable and inclusive growth, to find pathways to create new jobs and to offer a sense of direction to our societies. This requires significant strengthening of our knowledge and innovation capacity and our creative capability as drivers for future growth. As the world becomes more inter-connected and competitive and as research and technological know-how expands, new opportunities along with more complex societal challenges arise. The report mentions Climate Change as one of the main challenges society currently faces. **[Full story]**

- **[Ocean drifters off Shetland tackle climate change](#)**

Seven ocean drifters equipped with satellite trackers have been released off the

west of Shetland in an attempt to chart currents and tackle global climate change. The floating devices released as part of the latest Marine Scotland Science research programme provide hourly positions and allow scientists to study ocean currents in greater detail.

- **[Ocean acidification and the impact of the major drivers on the ocean](#)**

This article by Jason Hall-Spencer is a personal perspective, based on the author's keynote presentation at the 2014 Challenger Conference in Plymouth, and Coastal Futures 2015 in London. It concentrates on ocean acidification but puts this in the wider context of the major planetary drivers, which he illustrates, that are having an impact on the world's oceans. [[Full story](#)].

- **[Vast methane 'plumes' seen in Arctic ocean as sea ice retreats](#)**

Dramatic and unprecedented plumes of methane - a greenhouse gas 20 times more potent than carbon dioxide - have been seen bubbling to the surface of the Arctic Ocean by scientists undertaking an extensive survey of the region.

**News stories:** If there are any relevant news items or events that you would like to highlight on the MCCIP website please contact Susana Lincoln at [office@mccip.org.uk](mailto:office@mccip.org.uk). New items will be added to the website next month.

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