



Marine Climate Change Impacts Partnership

Dear MCCIP news subscriber,

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 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.

- **[New report: A response to recent east coast tidal surges](#)**

The Environment Agency (EA) is requesting feedback on recommendations listed in the final workshop report from the East Coast Tidal Surge workshop. A number of key recommendations were provided to include hosting regular partnership meetings, providing updated guidance on coastal adaptation and flooding response, and to invest in data capture and future research. The EA would appreciate feedback on which recommendations are agreed with and should be taken forward by EA or others, less important or missing; and whether your organisation would like to participate in further meetings.

- **[Resilience to a changing climate event](#)**

Climate UK is hosting a climate change event to share local solutions on resilience to a changing climate. There will be a series of practitioner led workshops on adaptation action and the chance to hear from expert speakers on a number of adaptation topics. The event takes place on Monday 16 June 2014 in London.

- **[Plankton loss from climate change threatens marine food webs](#)**

It is estimated that ocean temperature warming will cause phytoplankton and zooplankton biomass to decrease by 6% and 11% respectively by the end of the century. A lower amount of these two main elements in the marine food web could reduce fish biomass in certain regions.

[Chust, G. *et al.* (2014) *Global Change Biology*, [doi:10.1111/qcb.12562](https://doi.org/10.1111/qcb.12562)]

- **[Iron from melting ice sheets may help buffer global warming](#)**

A newly-discovered source of oceanic bioavailable iron could have a major impact on our understanding of marine food chains and global warming. Scientists have discovered that summer meltwaters from ice sheets are rich in iron, which will have important implications on phytoplankton growth.

[Hawkins, J.R. *et al.* (2014) *Nature Communications*, [doi:10.1038/ncomms4929](https://doi.org/10.1038/ncomms4929)]

- **[Largest Antarctic ice sheet more sensitive to ocean warming than previously thought](#)**

The largest ice sheet in the world, the east Antarctic ice sheet, may succumb to climate change faster than thought, according to recent research. Warming ocean currents, triggered by shifting wind patterns, could accelerate melting of the ice sheet, leading to a rise in sea levels, say the researchers.

- **[Climate change and health: Synthesis of IPCC findings](#)**

A summary on climate change and health has been produced by the Lancet, following the recent publication of the Intergovernmental Panel on Climate Change's (IPCC) report on Impacts, Adaptation and Vulnerability. The document highlights that human health is highly sensitive to weather patterns and other climatic impacts, and that adaptation will be required to reduce the risks associated with heatwaves, food insecurity, air-borne pollutants and food and water-borne diseases. Use [Climate Ready's adaptation toolkit](#) to find out how

the local health and social care system can introduce cost-effective ways to adapt to a changing climate.

News stories: If there are any relevant news items or events that you would like to highlight on the MCCIP website please contact Georgia Bayliss-Brown at office@mccip.org.uk. New items will be added to the website next month.

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