



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 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 change has boosted chances of warmth in central England](#)**

In 2014, central England experienced its warmest year since records began in 1659. Now, scientists have calculated that man-made climate change has boosted the chances of record hot years in the region by a factor of at least 13. The Central England Temperature series is the longest instrumental record of temperature in the world and has shown warming temperatures for the last 60 years. This study points to a large influence of human activities on extreme warm years despite the small region of study and the variable climate of central England. [King et al (2015) Environ. Res. Lett., [doi:10.1088/1748-9326/10/5/054002](https://doi.org/10.1088/1748-9326/10/5/054002)]

- **[Marine Management Organisation \(MMO\) climate change adaptation report](#)**

The purpose of this report published last month is to highlight the ways in which the MMO's work is at risk of being affected by a changing climate and to set out any actions to help the organisation adapt.

- **[Global climate on verge of multi-decadal change](#)**

A new study, by scientists from the University of Southampton and National Oceanography Centre, implies that the global climate is on the verge of broad-scale change that could last for a number of decades. The findings are backed by observational evidence of the widely hypothesized link between ocean circulation and the Atlantic Multidecadal Oscillation. [McCarthy et al (2015) Nature, [doi:10.1038/nature14491](https://doi.org/10.1038/nature14491)]

- **[Sparser, thinner Arctic Ocean ice enabling new phytoplankton blooms](#)**
A reduced ice cover is stimulating a new phenomenon in the Arctic: extra blooms of phytoplankton occurring in the fall, just before freeze-up, in addition to the usual springtime blooms. A study published in the journal **Geophysical Research Letters**, describes that autumn blooms have become more frequent in the past 15 years.
- **[Glasgow to host ECCA 2017](#)**
The 3rd European Climate Change Adaptation Conference (ECCA) will be held in Glasgow in 2017. This leading climate change conference will attract around 1000 delegates from the UK, Europe and around the world, and be a show case for the partnership approach Scotland is taking to climate change adaptation and resilience.

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. New items will be added to the website next month.

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