

## **"Projecting the impacts of climate change on wetlands - a web-based tool for England and Wales."**

A new web-based tool has been created to help wetland managers project the impacts of climate change in the next 50 years. The tool is formally launched today on World Wetlands Day. The tool is currently for England and Wales, but we plan to extend its coverage to other countries and regions in the near future and the concept will be of interest world-wide. Link to more info is here:

[http://www.ceh.ac.uk/sci\\_programmes/Water/Wetlands/ClimateChangeAssessmentToolforWetlands.html](http://www.ceh.ac.uk/sci_programmes/Water/Wetlands/ClimateChangeAssessmentToolforWetlands.html)

The tool allows the user to plug-in various details of their wetland, such as geographical location, wetland type, and subject of interest (plants, birds, archaeology etc.). Water source is one key input; currently the tool works for rainfall and river wetlands, functionality for groundwater-fed wetlands will follow shortly. The tool uses data from the UK Climate Projections programme and interactive results are presented based on 10,000 realisations of future climate. The outputs show whether there is likely to be large, medium, or negligible impact on the wetland.

The tool was developed by scientists at the Centre for Ecology & Hydrology and its partners (Open University, British Geological Survey, University College London, University of Exeter with sponsorship from the Wetland Vision partnership (led by Environment Agency, with Natural England, English Heritage, Wildlife Trusts, RSPB, Wildfowl and Wetlands Trust). Additional information can be found at this link: <http://www.wetlandvision.org.uk/>

Project leader Professor Mike Acreman, from the Centre for Ecology & Hydrology said, "The tool brings together our best available science and presents results in an easy to use form." For more about Professor Acreman, [read here](#).