



SEVENTH FRAMEWORK PROGRAMME
THEME 6: Environment (including Climate Change)



Adaptive strategies to Mitigate the Impacts of Climate Change on European Freshwater Ecosystems

This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 244121
Duration: February 1st, 2010 – January 31st, 2014

Deliverable 4.15: Practical report/document on which HD Annex II, red-listed, and typical species are most vulnerable in a climate change context, and which Habitat Directive riparian habitat types are most vulnerable to climate change

Lead contractor: **NERC**
Other contractors involved: **FVB**

Due date of deliverable: **Month 12**
Actual submission date: **Month 48**

Work package: 4
Estimated person months: 6

Project co-funded by the European Commission within the Seventh Framework Programme (2007-2013)		
Dissemination Level (add X to PU, PP, RE or CO)		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

Abstract

This deliverable comprises an inventory the European species and habitats most sensitive to climate change. These were identified on the basis of i) Natura 2000 and IUCN Red List, ii) for species, having limited bioclimatic distribution of habitat in Europe and/or isolation of bioclimatic niche within zone/region of unsuitable conditions, inferring vulnerability to slight shift in climate, and iii) for habitats, especially where the habitat is defined on the basis of a large number of individual species and where some of these are vulnerable as defined by the latter criterion.

The table comprises the following fields;

Ecosystem_type1 (Common to what ecosystem type: River, Lakes, Wetlands)

Ecosystem_type2

Climate_Region1 (Cold, temperate, warm)

Climate_Region2

Organism_group (Plants, insects, amphibians etc.)

Scientific_name

Common_name

Winner or Loser

Climate_change_impact (Main threat: temperature raise, water level increase/decrease, nutrient increase, landuse etc.)

Response_description (Textual description)

More information on the species (link to other website for further reading)

Reference (cited literature)

Reference2

The table is available on the REFRESH Web site at

http://www.refresh.ucl.ac.uk/webfm_send/2411

"As much of the information has been derived directly from the IUCN Red List, the REFRESH project must have regard to the copyright restrictions - see

<http://www.iucnredlist.org/info/terms-of-use>"