



## Case Study 4 – Annex

### Management and impact of Invasive Alien Species in Lough Erne in Ireland<sup>1</sup>



<sup>1</sup>See full case study report for author and project information. Further information at <https://aquacross.eu/content/case-study-4-management-and-impact-invasive-alien-species-ias-lough-erne-ireland>



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 642317.

## Annex

# What is the difference between a DUCK?

<p style="text-align: center;"><b>RUDDY DUCK</b> <i>Oxyura jamaicensis</i></p>  <p style="text-align: center;">Alien invasive species of Union concern</p> <p style="text-align: center;">Native range: Central America to Canada</p> <p style="text-align: center;">Introduced to Western Europe, spreading readily</p> <p style="text-align: center;">Threats: European eradication programme</p> <p style="text-align: center;">"Massive" threat to biodiversity</p>	<p style="text-align: center;"><b>WHITE HEADED DUCK</b> <i>Oxyura leucocephala</i></p>  <p style="text-align: center;">IUCN red list-endangered</p> <p style="text-align: center;">Native Range: northern Africa/Southern Europe to Western Asia</p> <p style="text-align: center;">Declining tenfold in the past century</p> <p style="text-align: center;">Threats: drought, water abstraction, hunting and "genetic introgression" from the Ruddy Duck</p> <p style="text-align: center;">Exhibits no flight reaction to human predation</p>
---	--

WHERE RANGES CROSS THE TWO INTERBREED SUCCESSFULLY

Figure 1: Visual summary of ruddy duck and white headed duck, status range and threats illustrating the subjectivity inherent in impact assessment.

## AQUACROSS PARTNERS

Ecologic Institute (ECOLOGIC) | Germany

Leibniz Institute of Freshwater Ecology and Inland Fisheries (FVB-IGB) | Germany

Intergovernmental Oceanographic Commission of the United Nations Educational, Scientific and Cultural Organization (IOC-UNESCO) | France

Wageningen Marine Research (WMR) | Netherlands

University of Natural Resources & Life Sciences, Institute of Hydrobiology and Aquatic Ecosystem Management (BOKU) | Austria

Fundación IMDEA Agua (IMDEA) | Spain

Universidade de Aveiro (UAVR) | Portugal

ACTeon – Innovation, Policy, Environment

(ACTeon) | France

University of Liverpool (ULIV) | United Kingdom

University College Cork, National University of Ireland (UCC) | Ireland

Royal Belgian Institute of Natural Sciences (RBINS) | Belgium

Stockholm University, Stockholm Resilience Centre (SU-SRC) | Sweden

Danube Delta National Institute for Research & Development (INCDDD) | Romania

Eawag – Swiss Federal Institute of Aquatic Science and Technology (EAWAG) | Switzerland

International Union for Conservation of Nature (IUCN) | Belgium

BC3 Basque Centre for Climate Change (BC3) | Spain

### Contact

Coordinator

Duration

[aquacross@ecologic.eu](mailto:aquacross@ecologic.eu)

Dr. Manuel Lago, Ecologic Institute

1 June 2015 to 30 November 2018

Website

Twitter

LinkedIn

ResearchGate

<http://aquacross.eu/>

[@AquaBiodiv](https://twitter.com/AquaBiodiv)

[www.linkedin.com/groups/AQUACROSS-8355424/about](https://www.linkedin.com/groups/AQUACROSS-8355424/about)

<https://goo.gl/lcdtZC>