



## Research Job Description

Reference No.	ID 014724
Job Title	Post Doctoral Scientist
Project Title	U-AVES: Uncrewed Aerial Vehicles for Ecological Surveys (P230063)
Nature and Duration of Contract	Fixed Term up to November 2025
Reporting To	Dr Ian O'Connor
Department / Function	Marine and Freshwater Research Centre (MFRC)
Location	Galway City Campus
Essential Qualifications and Skills	<p><b><u>Minimum</u></b></p> <p>PhD in seabird ecology / marine mammal ecology / or related discipline <b>or</b>, exceptionally, equivalent* research experience</p> <p><i>*EU defines PhD equivalent as 4 years fulltime research after primary degree</i></p>
Desirable qualifications and skills	<p><b><u>Desirable:</u></b></p> <p>Demonstrated experience in the design and implementation of offshore surveys for marine megafauna.</p> <p>Familiarity with species of marine mammal and/or seabirds found in the northeast Atlantic</p> <p>Experience in analysis of digital imagery from aerial surveys, as well as data analysis to derive population estimates together with measures of uncertainty.</p>
Overview of the role	<p>Funded by the Sustainable Energy Authority of Ireland (SEAI), U-AVES is a partnership between ATU, BlueWise Marine, A-techSYN, and Energia Renewables. The project aims to investigate the use of a long endurance fixed wing VTOL UAV to conduct large scale offshore ecological surveys. The Post Doctoral scientist will be a key member of the project team and work with Dr Simon Berrow and Dr Ian O'Connor in ATU as well as personnel based with the project partners.</p>
Duties / Key Responsibilities	<p>As part of the project team, the Post Doctoral Scientist will work across several work packages with specific roles in relation to:</p> <ul style="list-style-type: none"><li>• Survey design for uncrewed and crewed digital aerial surveys</li><li>• Processing of survey data to include comparative analysis of species identification, distribution, abundance.</li><li>• Identification of additional features/variables of interest</li><li>• Cost Benefit Analyses</li><li>• Stakeholder Engagement, Reporting, and Dissemination</li><li>• Preparation and submission of publications as lead author.</li></ul>





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### Salary Scale

€42,783.00 (Post-Doctoral Researcher Point 1, IUA Scale) with Annual Increment Plus 20% Pension Contribution.

### Equality, Diversity & Inclusion

*In accordance with ATU's commitment to equality of opportunity for all job applicants, you are asked to request any reasonable accommodation in sufficient time to ensure you can participate fully in the recruitment process.*

*Please contact [recruitment.galwaymayo@atu.ie](mailto:recruitment.galwaymayo@atu.ie) should you require any assistance.*

### Closing Date

12noon on Monday, 4<sup>th</sup> December 2023

