**Job Description: Fisheries Research Officer – Data analyst**

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| **Faculty:** | Faculty of Science and Engineering |
| **Department/Subject:** | Biosciences Department |
| **Salary:** | *Grade 8: £38,205 to £44,263 per annum* |
| **Hours of work:** | **Full time** |
| **Number of positions:** | ***1*** |
| **Contract:** | **This is fixed term position for 12 months duration** |
| **Location:** | **This position will be based at the Singleton/Bay Campus** |

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| **Main Purpose of Post** | The postholder will lead the analysis of data from a fine scale array of 80+ passive receivers, deployed around the cooling water intakes for the Hinkley Point C nuclear power station, to track and model movements of Atlantic salmon and twaite shad in the immediate vicinity of the intakes and assess the effectiveness of novel high frequency acoustic deterrent devices for twaite shad.  Working with the fish tracking team, the postholder will write reports and peer-reviewed papers and other published outputs based on the research. The post holder will also have the opportunity to participate in field work, including tagging operations, and in experimental design and trials of low frequency and low voltage deterrent devices. The initial duration of this post is 12 months, with the possibility of extension if additional funding is secured.   1. Lead, and participate in, the design and execution of spatial data analysis of data in particular collected at, but not limited to, Hinkley Point C nuclear power station. 2. Working with project partners and all relevant stakeholders, communicating development and research findings, and contributing to recommendation based on the research. 3. Prepare project reports and peer-reviewed papers based on the research. 4. Mentor and support research team members and provide training in data analysis as required. 5. Proactively contribute and lead the development of future funding bids |
|  | 1. Pro-actively contribute to and conduct research, including gather, prepare and analyse data and present results, exhibiting a degree of independence in terms of specifying the focus and direction of that research. 2. Prepare reports, draft patents and papers describing the results of the research, both confidential and for publication. The appointee is expected to be actively engaged in the writing and publishing of research papers, particularly those intended for publication in refereed (e.g. international) journals or comparable as a normal part of their role. 3. Be self-motivated, apply and use their initiative, aiming to determine suitable ways to tackle challenges and seeking guidance when needed. 4. Use creativity to analyse and interpret research data and draw conclusions on the outcomes. 5. Interact positively and professionally with other collaborators and partners within the Faculty, elsewhere in the University and beyond both in industry/commerce and academia. 6. Contribute pro-actively to the development of external funding applications to support their own work, that of others and the Faculty and the Institution in general. The appointee will be expected as a normal part of their work to be actively engaged in writing or contributing to writing such applications. 7. Contribute to Faculty organisational matters in order to help it run smoothly and to help raise its external research profile. 8. Keep informed of developments in the field in both technical and specific terms and the wider subject area and the implication for commercial applications and the knowledge economy or academia. 9. When requested act as a representative or member of committees, using the opportunity to extend their own professional experience. 10. Demonstrate and evidence own professional development, identifying development needs with reference to Vitae Researcher Development Framework particularly with regard to probation, performance reviews, and participation in training events. 11. Maintain and enhance links with the professional institutions and other related bodies. 12. Observe best-practice protocols in maintenance and retention of research records as indicated by HEI and Research Councils records management guidance.  This includes ensuring project log-book records are deposited with the University/Principal Investigator on completion of the work |
| **General Duties** | 1. To promote equality and diversity in working practices and maintain positive working relationships. 2. To conduct the job role and all activities in accordance with safety, health and sustainability policies and management systems, in order to reduce risks and impacts arising from the work activity. 3. To ensure that risk management is an integral part of any decision-making process, by ensuring compliance with the University’s Risk Management Policy. 4. Any other duties as agreed by the Faculty / Directorate / Service Area. |
| **Person Specification** | **Essential criteria:**   1. A PhD in Biosciences or related fields, or equivalent research experience. 2. Experience of statistical modelling. 3. A demonstrated ability to use software for scientific analysis (especially R or Python). 4. Ability to contribute ideas for new research projects and research income generation. 5. Excellent communication skills. 6. Evidence of active engagement, personal role, and contribution to writing and publishing research papers, particularly for refereed journals. 7. Evidence of the capacity for active engagement in designing research and writing, or contributing to writing, applications for external research funding. 8. Ability to demonstrate significant independence of focus and direction in research – determining ’what, why, when and with whom' to progress work. 9. A commitment to continuous professional development.   **Desirable Criteria**   1. Experience in animal movement data analysis and ideally acoustic telemetry data analysis. 2. Experience and knowledge of fish ecology and fisheries. 3. Experience of working with public agencies and stakeholders, in particular in the field of fisheries and marine energies. 4. Evidence of the ability to write for publication, prepare research proposals for funding, and represent the research group at meetings. 5. Experience of supervising undergraduate or postgraduate student projects. |
| **Welsh Language Level** | Level 1 – ‘a little’ - pronounce Welsh words. Able to answer the phone in Welsh (good morning / afternoon). Able to use very basic every-day words and phrases (thank you, please etc.). Level 1 can be reached by completing a one-hour training course.  For more information about the Welsh Language Levels please refer to the Welsh Language Skills Assessment web page, which is available [here](https://www.swansea.ac.uk/welsh-language-standards/compliance/recruitment/). |
| **Additional Information** | Informal enquiries: Dr Dave Clarke [D.R.K.Clarke@Swansea.ac.uk](mailto:D.R.K.Clarke@Swansea.ac.uk)  Shortlisting Date: 05/03/2025  Interview Date: 12/03/2025 |

  