

<b>Post Title</b>	<b>Teagasc Post Doctoral Research Fellow Level 1 (PD1)</b>
<b>HR Reference</b>	PD1/SMART/MP/0519
<b>Research Area</b>	Smart Dairy Farming
<b>Eligibility</b>	PhD in a relevant discipline with up to 3 years' (max.) relevant experience. The combined total of this contract combined with any other PD1 contracts must not exceed 3 years in total.
<b>Project Title</b>	Development of a on farm sustainability audit system using a number of nationally available linked databases
<b>Current Project End Date</b>	31/10/2020
<b>Post Duration</b>	The indicative duration of 11 months, but not exceeding the above project end date, subject to contract.  A panel may be formed from which future similar vacancies may be filled.
<b>Location</b>	Teagasc, Animal and Grassland Research and Innovation Centre, Moorepark, Fermoy, Co. Cork.
<b>Reports to</b>	Project Leader and/or other nominated manager as maybe identified from time to time.
<b>Training Rate</b>	Appointment will be at the minimum point of the Post-Doctoral Level 1 (PD1) scale (€35,678).  The current PD1 scale is as follows: PD1: €35,678 (min.); €37,757; €39,529 (max.)  Increments will be awarded annually* subject to performance and completion of the prescribed training plan.  Note: Exceptional circumstances may apply for candidates with current or previous service in the public sector. *Remuneration and the annual cycle for the payment of increments may be adjusted from time to time in line with Government policy.
<b>Basic Function of the post:</b>	The successful Post-Doctoral fellow will work on an EU funded project called Smart Agri Hubs, and will contribute to the development of a project (Flagship Innovation Experiment (FIE)) which will develop a methodology that uses smart technologies to quantify sustainability at farm level with a number of industry partners and contractors.
<b>Background:</b> The Teagasc post-doctoral programme provides training and development opportunities for early career scientists that enhances their experience of learning and equips them with the necessary skills for the next stage of their chosen career in research.  Teagasc-Moorepark is Ireland's leading dairy research institute with national responsibility for all aspects of dairy production research which include grassland and grazing management, dairy cow breeding and reproduction, dairy cow health and welfare, milk composition and dairy cow nutrition, milking technology and milk production systems plus economic analysis. The research programme is conducted by over 30 scientific and technical professionals, supported by administrative and operative staff. Moorepark operates a total of 7 individual dairy research farms totalling 500 hectares and over 1,000 dairy cows. Facilities include modern individual cow feed and metabolism units,	

laboratories, computer facilities and milking research laboratories.

This is a research focused training role, the primary purpose of which is to provide early career scientists with the opportunity to develop their research skills and competencies.

The PD Fellow will, while working in conjunction with senior research staff, gain insight and experience into a variety of areas including the processes of project and budgetary management, publishing in peer-reviewed academic journals, writing grant applications, and attracting external funding; the development of active collaboration with relevant national and international research communities; the development of communication and presentation skills, leadership and management skills, and overall career development.

Modules will be conducted under the supervision and direction of the (Project Leader) or other designated manager in conjunction with the Head of Department.

### **Duties & Responsibilities specific to this project:**

- Work with project partners to develop and implement sustainability solutions.
- Develop criteria for farm selection and equipment installation.
- Oversee the data flows and database set up.
- Develop sustainability metrics from the data flows.
- Provide information to the stakeholders involved in this overall study.

### **Additional Duties & Responsibilities:**

- Interpret research findings and prepare scientific and popular press publications.
- Disseminate research findings to a variety of audiences as appropriate.
- Assist Teagasc in meeting the commitments of the Quality Customer Service Charter and action plan.
- Comply with all relevant Teagasc policies and procedures.
- Fully co-operate with the provisions made for ensuring the health, safety and welfare of themselves, fellow staff and non-Teagasc staff and co-operate with management in enabling Teagasc to comply with legal obligations. This includes full compliance with the responsibilities outlined in the Safety Statement.
- Actively participate in the Teagasc Post Doctoral Fellowship programme and review processes, and to undertake all Post Doctoral fellowship training and associated duties as agreed in the Training & Development Plan.
- Take up additional duties as they may arise and be assigned by management.

### **Person Specification**

This section outlines the qualifications, skills, knowledge and/or experience that the successful candidate would be required to demonstrate for successful discharge of the responsibilities of the post. Applications will be assessed on how well candidates satisfy these criteria.

#### **Essential**

- PhD in agriculture or a related discipline.
- Relevant research experience not to exceed 3 years' post-PhD.
- Demonstrated research and technical expertise in smart technologies.
- Evidence of research activity (publications, conference presentations, awards) and future scholarly output (working papers, research proposals etc.).
- Excellent project management, analytical, report writing and data analysis skills.
- An ability to collaborate with team members and PhD students to help build research

- knowledge and skill and to guide professional development.
- Excellent communication skills (oral, written, presentation) with an ability to enable effective knowledge and technology transfer.
- Ability to generate new ideas, unique concepts, models and solutions.
- Full driving licence.

### Desirable

- Experience in sustainability assessment.
- Experience in setting own research agenda.
- Evidence of teamwork and collaboration with relevant partners.

### Further Information for Candidates

Candidates can access a Fellowship Programme Application form for this post on the Teagasc website at <https://www.teagasc.ie/about/opportunities/post-doctoral-opportunities/>. Teagasc do not accept Curriculum Vitae's as an application for a position. In order to apply for a post the relevant application form must be completed in order to be considered.

Completed application forms should be TYPED, saved in PDF format and submitted by email to [teagascjobs@clark.ie](mailto:teagascjobs@clark.ie) no later than **12 noon on Monday 24<sup>th</sup> June 2019**. Applications received after this time will not be considered.

Teagasc is an equal opportunities employer. As part of Teagasc Gender and Diversity strategies, Teagasc welcomes a balanced pool of applicants. Canvassing will disqualify.

The details contained above are subject to change without notice.