



**An Roinn Talmhaíochta,
Bia agus Mara**
Department of Agriculture,
Food and the Marine

Table 1: List of single stage project applications recommended for funding by DAFM Competitive Research Committee on foot of Call 2019

Project Title	Lead Institution	Project Coordinator	Duration (Years)	Grant Amount €(000)	
				DAERA NI	DAFM
Amount contributed by EPA to co-fund some short-listed agri-environment projects					-500
Approx. total new funding to be committed by DAFM this year under Call 2019					20.35
Approx. total amount payable this year by way of an advance to allow research work to commence on new projects funded					6.11
Balance payable over the period 2020 - 2025					14.25
Environment & Climate Smart Approaches to Agri-Food Systems					
High Nature Value Farmland and Forestry Systems for Biodiversity	Galway Mayo Institute of Technology	James Moran	3		€449,166
Hydrological and sediment impacts of forestry operations in Ireland	University College Dublin	John O'Sullivan	4		€597,505
Response of tree species to climate change	Teagasc	Niall Farrelly	4	€154,929	€641,064
Lowering the carbon and ammonia footprints of pasture-based dairy production	Teagasc, Moorepark	James Humphreys	4		€599,821

Development and validation of novel technologies to reduce methane emissions from pasture based Irish agricultural systems	Teagasc, Grange	Sinead Waters	4	€267,923	€980,611
Abating Ammonia in Agriculture	Teagasc, Johnstown Castle	Dominika Krol	5	€424,481	€784,187
Sensing Nutrients for Agronomic Advice and Sustainability Measures	Teagasc, Johnstown Castle	Karen Daly	4		€599,700
Animal & Plant Production, One-Health & Welfare					
Farm Sustainability Tools for Efficient Nutrient management	Teagasc, Johnstown Castle	David Wall	4		€1,199,737
Reviewing and updating the network of gene conservation units for target native forest species in Ireland	National Botanic Gardens	Colin Kelleher	2		€249,378
Optimised breeding program for efficient and quality beef from dairy herds	Teagasc, Moorepark	Nóirín McHugh	4	€5,200	€993,689
Genetic Improvement of the Sport Horse Population for Show Jumping in Ireland	University College Dublin	Alan Fahey	2		€235,906
Development of genomic epidemiology systems for tracking and eradicating Mycobacterium bovis in Ireland	University College Dublin	Stephen Gordon	4	€129,764	€408,304
Novel nutritional and management strategies to reduce antimicrobial reliance and antimicrobial resistance on Irish pig farms	University College Dublin	John O Doherty	4		€1,247,592
Eco-friendly compostable pectin based packaging material derived from waste sources of fruit pulp and its validation in bread packaging	University College Cork	Joe Kerry	4		€591,558
Identifying functional SNPs to strengthen genomic selection for feed efficiency in pigs	University College Dublin	Stafford Vigors	1		€99,999
Rural Growth, Digitalisation & the Bioeconomy					
Improvements to the dynamic yield models and to Growfor	University College Dublin	Maarten Nieuwenhuis	2		€211,853
Modular mass timber building for the circular economy	National University of Ireland Galway	Annette Harte	4		€592,067
Food					
Shelf-life and safety of fermented and smoked foods	Teagasc	Declan Bolton	4		€789,995
Investigation of chlorates in foods: using the dairy industry as a transferrable knowledge model	Teagasc	Bernadette O'Brien	4		€592,377
Assessment of the risk and route of contamination of Bisphenol A (BPA) in Irish origin meat and meat products	University College Dublin	Nigel Brunton	2		€248,304

Quantifying, understanding and mitigating microbial and chemical food safety risks in horticulture	Teagasc	Kaye Burgess	4		€995,412
National Adult Nutrition Survey II	Cork Institute of Technology	Janette Walton	3		€1,241,131
Development of novel sustainable enzyme-based cleaning-in-place regimes for cheese production	University of Limerick	Elaine O'Meara	4		€577,476
Food based dietary guidelines for sustainable and healthy lifestyles.	Teagasc	Sinead McCarthy	4	€190,378	€961,235
Blue whiting protein hydrolysates for management of sarcopenia	University of Limerick	Richard Fitzgerald	2	€203,923	€322,107
Genomics to Investigate Risks of Toxin-Producing Vibrio in Irish Shellfish	National University of Ireland Galway	Aoife Boyd	2		€196,560
Innovative food processing and new technological solutions for the design of novel healthy products for the prepared consumer foods sector	Teagasc, Ashtown	Eimear Gallagher	4		€968,038
Distilling And Brewing – BuildING CAPacity	Teagasc, Oak Park	Richie Hackett	4		€856,746
A novel method to produce haemoglobin based films for food packaging applications	Teagasc	Anne Maria Mullen	1		€99,342
A simple method of encapsulation for food	Teagasc, Moorepark	Andre Brodkorb	1		€99,851
Validation of a Combined Vision and Robot Test Platform for Commercialisation	Teagasc	Norah O'Shea	1		€80,177
Strategic Short Studies					
Towards an Agricultural Greenhouse Gas Research & Innovation Centre	Teagasc	Karl Richards	1		€70,988
Forest growth and development on high pH soils and marl sites	University of Limerick	Ken Byrne	2		€247,839
Rural Generational Renewal 2050	Teagasc	David Meredith	2		€346,617
Modelling Opportunities for Forestry Recreation	National University of Ireland Galway	Cathal ODonoghue	2		€214,498
A smart and open-science approach to monitor and analyse deer populations in the Republic of Ireland and set the scene for evidence-based deer management.	University College Dublin	Simone Ciuti	2		€244,800
Digitalisation in agriculture and forestry through data security	Waterford Institute of Technology	Hazel Williams	2		€347,996
NEXCELSIOR: Next steps in managing the impact of ash dieback	Trinity College Dublin	Trevor Hodkinson	2	€117,357	€132,600

