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| Searching for a Coordinator/Partner for | **The Green Deal – Farm to Fork** |
| Topic |  |
| Subtopic | Subtopic A. [2021] Achieving climate neutral farms by reducing GHG emissions and by increasing farm-based carbon sequestration and storage (IA)  Subtopic C. [2021] Reducing the dependence on hazardous pesticides; reducing the use and increasing the efficiency of fertilisers; reducing the losses of nutrients from fertilisers, towards zero pollution of water, soil and air116] (IA) |
| Organisation Details | Waterford Institute of Technology (WIT) is a university-level institution in the South-East of Ireland with over 10,000 students and 1,000 staff. WIT is the major provider of higher education in the South East region of Ireland, a region of half a million people and one of the largest Institutes of Technology in Ireland. WIT is a thriving research and postgraduate community with many high profile researchers in both the national and EU community of academics having competed successfully for prestigious national and EU research funding (e.g. PRTLI, SFI and EU Frameworks Programme FP4, FP5, FP6, FP7, Horizon2020, Marie Skłodowska-Curie actions and Fulbright scholar programmes). As a result of its work on collaborative research projects, WIT has built extensive alliances with leading industrial and academic partners across Europe. WIT also has dedicated research support and technology transfer offices. |
| How we can contribute to this topic | I am a grassland scientist (Dr. Imelda Casey). I have also been collaborator of a number of large grassland projects with Dr. James Humphreys Teagasc. Mostly these are working with stakeholders to improve nutrient efficiency and water quality and lower greenhouse gas and ammonia emissions from dairy farms both nationally and internationally. T**eagasc** is the state agency providing research, advisory and education in agriculture, horticulture, food and rural development in Ireland”. Currently we are actively involved in a trial that is looking to reduce environmentally damaging emission from dairy systems in Ireland. This system trial is now called Lo CAM (low carbon dairy) and is funded by the department of agriculture. This will look at emissions from a research dairy farm while looking at all best practices being implemented simultaneously. The principal investigator here again is Dr. James Humphreys Teagasc, Moorepark Co. Cork who is principal scientist responsible for the farm system and field research. I am university supervisor on a number of Phd students on the area in soils and on sub topic a and b above. I have worked on a number of the areas above in the past. |
| Other information | Selected publications: SELECTED PUBLICATIONS Humphreys J., Mihailescu E. and **Casey I. A**. (2012) An economic comparison of systems of dairy production based on N fertilized grass and grass-white clover grassland in a moist maritime environment. Grass and Forage Science, 67 (4) 519-525.  Humphreys J. O’Connell, K. and **Casey I.A.** (2008) Nitrogen flows and balances in four grassland based systems of dairy production on a clay-loam soil in a moist maritime environment. Grass and Forage Science, 63, 467-480.  **Casey, I.A.,** Brereton A.J., Laidlaw A.S. and Mc Gilloway D.A. (2004) The effect of bulk density on bite dimensions of cattle grazing microswards in the field*. Journal of Agricultural Science Cambridge.* 142.109-121 |
| Previous Horizon 2020 projects | As main college supervisor I have made contacts with Atlantic Dairy Systems and Environment, 2003 to 2007, Interreg); Dairyman (Improving regional prosperity through better resource utilization on dairy farms and stakeholder cooperation, 2009-2013, Interreg); TRUE, Transition paths to sustainable legume based systems in Europe (2017-2021, Horizon 2020);Dairy-4-Future (Propagating innovations for more resilient dairy farming in the Atlantic area, 2019-2023, Interreg). . |
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