|  |  |
| --- | --- |
| Searching for a Coordinator/Partner for | **The Green Deal – Farm to Fork** |
| Topic | **LC-GD-6-1-2020:** **Testing and demonstrating systemic innovations in support of the Farm-to-Fork Strategy** |
| Subtopic | Subtopic C. 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 air. |
| Organisation Details | CeADAR is the Ireland's Centre for AI and Data Analytics Research hosted in University College Dublin (UCD). Bridging the gap between research and industry, we are a market-led centre focussed on the development and deployment of AI and Analytics innovation to deliver value and competitive advantage to our member companies and partners. As Europe's designated Digital Innovation Hub in Ireland, we are an active participant in both the National and European agendas in an ever more data driven economy. With a work force made up of senior RD&I staff with industrial backgrounds, CeADAR provides an experienced and competent contribution to any collaboration**.** |
| How we can contribute to this topic | CeADAR has led and collaborated in projects in virtual every sector and horizontal relating to AI, Data analytics and machine learning including green and sustainable industries. Projects we have led in this sphere include: * Land quality assessment through analysis of satellite Earth Observation data
* Predictive analytics of component integrity, wind output power and consumer demand in wind turbines,
* Industry 4.0 applied to food processing industry to increase efficiency
* Aiding precision agriculture through sensor arrays in tractor cutters
* Analytics and visualisation in real time of livestock metrics
* Blockchain to secure the provenance of the supply chain for high value agricultural products
* Energy efficient food manufacturing processes at a factory level using adaptive systems and reinforcement learning approach

We have extensive experience in the application of AI and Data analytics to any sensor data in all sectors and verticals. |
| Other information |  |
| Previous Horizon 2020 projects | Current H2020 project in which we are partners: * H2020 Dt-FOF-11: [InterQ: Interlinked Process, Product and Data Quality framework for Zero-Defects Manufacturing](https://cordis.europa.eu/project/id/958357)
* H2020 DT-ICT-03: [DIH-World - Accelerating deployment and matureness of DIHs for the benefit of Digitisation of European SMEs](https://cordis.europa.eu/project/id/952176)
 |
| Contact Details, Name, Email & phone number | Méabh Garrick[Meabh.garrick@ucd.ie](file:///C%3A%5CUsers%5Cmgarrick%5CDesktop%5Ckennelly%5CMeabh.garrick%40ucd.ie)+353 (0)1 716 5717 |
| Irish NCP | Matthew Clarke Matthew.Clarke@agriculture.gov.ie +353871026192 |