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| 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 A - **Achieving climate neutral farms by reducing GHG emissions and by increasing farm-based carbon sequestration and storage.** |
| Organisation Details | ADAPT@CIT research group is one of the CIT research teams focussed on the research forefront of the use of artificial intelligence, natural language processing and machine learning in the healthcare, life-science, AgriTech, digital humanity and fintech domains. Our researchers are involved in wide ranging fields of studies that include the design of quality of service and experience for emergency medical services in next generation cellular networks, social media analysis, machine translation and information extraction, and microbiome analysis through to deep learning algorithms. We focus on how these tools can be easily transferred to the workplace. The team is the expansion of the Science Foundation Ireland research Centre ADAPT in CIT. The ADAPT Centre for Digital Content Technology (Grant 13/RC/2106) is funded under the Science Foundation Ireland Research Centres programme and combines the world-class expertise of researchers. ADAPT sees global digital content as ‘live content’, where content technologies are enabled with embedded intelligence to deeply analyse, translate, adapt and multimodally deliver content to users appropriate for their needs, preferences, and use. Providing Personalized Digital Content will be the key enabler for users to globally engage without being overwhelmed. |
| How we can contribute to this topic | We can contribute to cattle genomics and metagenomics analysis. We could propose an experiment to collect genotypic and fecal samples from Irish cattle and their phenotypes to pinpoint mutations and microorganisms involved with the increase/decrease of methane emission and feed efficiency. Thus, contributing to the selection of environmentally friendly animals. |
| Other information | We have been working with cattle genomic and metagenomic data (Brazilian and from the USA) for years, and our extended group has the experience and knowledge for this challenge. |
| Previous Horizon 2020 projects |

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| **EU funding** *The labels used mean:**COO — Coordinator**BEN — Beneficiary**LTP — Linked third party/affiliated entity.****Note:*** *The mentioned funding is only the amount awarded to the participant.* |
| Participation  | Name of EU Programme | Reference number and title of the project | Period (start and end date) | Role (COO, BEN, LTP, OTHER) | Amount(EUR) | Project website (if any) |
| Leading the CIT team  | H2020 | 823978STop Obesity Platform | 1 March 2019 –28 February 2023 | BEN | € 165 600 | <http://stopproject.eu/> |
| Leading the CIT team | H2020 | 761913SLICENET | 1 June 2017 –31 May 2020 | BEN | € 252 900 | <https://slicenet.eu/> |
| Leading the CIT team | H2020 | 882986ITFLOWS | 1 September 2020 –31 August 2023 |  | € 528 000 |  |

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