|  |  |
| --- | --- |
| Searching for a Coordinator/Partner | **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 | 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 airF: Shifting to sustainable healthy diets, sourced from land, inland water and sea, and accessible to all EU citizens, including the most deprived and vulnerable groups |
| Organisation Details | TSSG is a telecoms and software research group in Waterford Institute of Technology, with approx. 70 staff. We have been coordinating and partnering in EU research since FP5 and have been one of the most consistent organisations in Ireland in terms of securing funding.We host a dedicated centre (PACE) that will deliver advanced ICT software to the Irish agriculture and food sector, and are currently involved in several agri/food projects (details below)We are an agile research organisation that covers basic, applied, and pre-commercial research and development. Our other current interests include emerging networks, autonomous systems, and IoT. We also host an Enterprise Ireland Technology Gateway and are members of several SFI Research Centres.LINK: <https://tssg.org> |
| How we can contribute to this topic | **Agri/food**\* Experience coordinating and partnering in agri/food projects, giving us in-depth knowledge of issues related to sustainable food production, reducing synthetic fertiliser/pesticide use, and outreach to consumers promoting healthy diets\* Contact with French agroecology network who have expressed an interest in working with TSSG in this area**Technology**\* IoT sensors related to food production and environment monitoring (e.g. 5G connections to soil, moisture, and air quality sensors in our testbed) \* Data analysis and decision-support (e.g. end-to-end data-sharing from production to consumption, plus consumer feedback)\* Expertise in all data management issues (collection, storage, processing, security, privacy, FAIR principles, etc.)**H2020 experience**\* Array of contacts in the above sectors and in the agri/food domain\* Dedicated internal team working on multi-actor and participatory approaches for agri research projects |
| Previous Horizon 2020 projects*NOTE 1: Coordinated by TSSG in* ***bold****NOTE 2: Sample shown, other projects available on request* | **Agri/food*** [**DEMETER**](https://h2020-demeter.eu/)
* [**Cybele**](https://www.cybele-project.eu/)
* [Smart Agri Hubs](https://www.smartagrihubs.eu/)
* [agROBOfood](https://agrobofood.eu/)
* [NIVA](https://www.niva4cap.eu/)

**Technology*** [**TERAPOD**](https://terapod-project.eu/)
* [Gladiator](https://www.fet-gladiator.eu/index.php)
* [5G-Solutions](https://www.5gsolutionsproject.eu/)

**Other areas*** [**FAITH**](https://www.h2020-faith.eu/) (health)
* [STREAM](https://tssg.org/projects/stream/) (environment)
* [Smarter Aquaculture](https://tssg.org/projects/smarter-aquaculture/) (marine)
* [TransSec](http://www.transsec.eu/) (transport)
* [RE-SERVE](https://www.re-serve.eu/) (energy)
 |
| Contact Details, Name, Email & phone number | Hazel Williams, hwilliams@tssg.org |
| Irish NCP | Matthew Clarke Matthew.Clarke@agriculture.gov.ie +353871026192 |