


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 E. Reducing food losses and waste at every stage of the food chain including consumption, while also avoiding unsustainable packaging.
Your organisation Details	The Tyndall National Institute (Tyndall) at University College Cork is Ireland's largest ICT research centre, with more than 460 researchers, >130 postgraduate students and support staff. The strengths of the institute at the present time lie in the area of photonics, electronics and integrated circuit design, materials and nanotechnologies and their applications in communications, healthcare, energy and the environment. The centre has strategic research projects funded through national and industry sources, addressing all aspects of photonic systems starting from the basic materials, over photonic devices and assembly up to full system demonstrations. Facilities at the centre are extensive, including epitaxial growth, device fabrication, photonic/electronic packaging and advanced system characterisation. Tyndall has an annual income of €30M, has generated 9 spin-off companies and has over 200 industry partners and customers worldwide.
How you can contribute to this topic – your skills and expertise	 <p>Dr Daniela Iacopino (female) has a PhD in chemistry. Since 2008 Daniela has been a researcher in the nanotechnology (NTG) group. Her research interests and expertise include wet-chemical synthesis of polymer and metal nanostructures, their chemical manipulations through doping and self-assembly and integration into functional devices for ICT and environmental applications. Dr Iacopino has extensive experience in the participation and management of research projects (16 in total, 6 as coordinator) funded at national level under the Higher Education Authority (HEA) Programmes for Research in Third-Level Institutions and at international level under the EU Sixth, Seventh and H2020 Framework Programmes. Daniela is a Funded Investigator (FI) in two national centres of excellence (VistaMilk and CONNECT). Her research activity is complemented by 76 publications in peer-reviewed international journals, h-index: 25 and a number of invited speaker contributions to international conferences and workshops.</p>
Other information	The group has significant expertise in sustainable nanoscale materials development and integration into sensing platforms. Specifically, the group is interested in fabrication of sensing devices constituted by earth abundant materials and fabricated by low environmental impact

	<p>technological processes. Routes for direct laser writing of carbon-based electrodes on nanocellulose and chitosan substrates of interest for food packaging have been demonstrated as well as potential for integration of food spoilage sensors into sustainable food packaging materials.</p>
<p>Previous participations in Horizon 2020 or other EU-funded projects</p>	<p>H2020-NMBP-TO-IND-2018-2020_ CSA Integrated EU Strategy, Services and International Coordination Activities for the Promotion of Competitive and Sustainable Nanofabrication Industry, SUSNANOFAB.</p> <p>H2020, SwafS-23-2020- Grounding RRI in society with a focus on citizen science. Supporting Sustainable Institutional Changes to Promote Citizen Science in Science and Technology. TIME4CS, just funded.</p> <p>H2020 NMBP_2018: Active & intelligent PACKaging materials and display cases as a tool for preventive conservation of Cultural Heritage. Apache</p> <p>H2020-ICT-2015 Strategies for Safety Assessments in advanced Integrated Circuits Manufacturing, Nanostream</p> <p>H2020-NMP-2014 Nanomaterials for the restoration of works of art, Nanorestart.</p> <p>FP7-2010-NMP-SMALL. Hybrid molecule/nanocrystal assemblies for photonic and electronic sensing applications. Acronym: Hysens. www.hysens.eu, 263091.</p> <p>FP7-2009-NMP. Semiconductor Nanomaterial for Advanced Photovoltaic Solar Cells Using New Concept of Nanoparticle and Conductive Host. Acronym: Snapsun. www.snapsun-project.eu.</p> <p>FP7-PEOPLE-2010-ITN. Title: Semiconductor nanowires: from fundamental physics to device applications. Acronym: Nanowiring. www.nanowiring.eu, 265073, October 2010-2014.</p>
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