**Horizon Europe**

**Marie Sklodowska Curie Actions**

**PROFILE FORM**

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| **Organization Name / Department**  | Ecostack Innovations | **Organization Short Name** | EcoINN |
| **Organization Type** | [ ]  University[ ]  Public Research Centre[ ]  Large Scale Enterprise[x]  Small and Medium Scale Enterprise | [ ]  Public Body[ ]  International NGO[ ]  National NGO |
| **Research Fields** | [ ]  Chemistry **CHE**[ ]  Social and Human Sciences **SOC**[ ]  Economic Sciences **ECO**[ ]  Information Science and Engineering **ENG**[x]  Environment and Geosciences **ENV**[ ]  Life Sciences **LIF**[ ]  Mathematics **MAT**[ ]  Physics **PHY** | ***Sub-Fields / Keywords:*** ,  |
| **Short Description** **of the Organization / Department** | Ecostack Innovations is looking to host talented researchers who will work as part of our industrial innovation team and are interested to apply for a Postdoctoral Fellowship in the framework of the new Marie Skłodowska-Curie Actions (MSCA) programme.Ecostack Innovations is an enterprise providing expertise in ecological and sustainability topics. Ecostack Innovations Limited was established to promote sustainable innovation and to tackle the trade-offs between development and nature. At Ecostack Innovations, we currently participate in several projects relating to environmental monitoring, and that establish nature-based solutions for climate resilience and human well-being.Our work is contributing to developing promoting greener cities in line with the EU Green Deal goals. Through our work we address key Sustainable Development Goals, including SDG3, SDG6, SDG9, SDG11, SDG12, SDG13 and SDG 14 |
| **Previous Related Projects / Research Experience** | Our team members have considerable experience in research and innovation and have contributed to the following funded projects over the past few years.***GOGREEN ROUTES*** The objective of the GOGREEN ROUTES (GO GREEN: Resilient Optimal Urban natural, Technological and Environmental Solutions) Horizon 2020 project is to position European cities as world ambassadors of urban sustainability. GOGREEN ROUTES transdisciplinary consortium will pioneer a unique approach augmenting nature-based solutions, urban design with the goal of fostering a positive human-nature relationship, flourishing nature connectedness and promoting citizen engagement through digital, educational and behavioural innovation. EcoINN is leading the scientific work in Malta in this project. ***MAHONEY*** The project MAHONEY (Combination of mapping landscape suitability for honeybees and advanced chemical analysis of honey to target geographical regions vulnerable to honey fraud), funded by the European Commission, maps the availability of nectar and pollen from the landscapes of Malta. It is expected that the one of the outcomes of the project is the identification of chemical markers that can be used to link the honey to the landscape in which it has been produced. The project will also offer the possibility to predict what areas are favourable to honeybees and can also aid beekeepers to identify the most suitable areas for beehives placement leading to improved honey production[***ReNature***](http://renature-project.eu/)ReNature (Promoting research excellence in nature-based solutions for innovation, sustainable economic growth and human well-being in Malta) aims to establish and implement a nature-based solutions research strategy with a vision to promote research and innovation and develop solutions in a pursuit of economic growth, whilst at the same time improving human well-being and tackling environmental challenges. [***LIFE IP RBMP Malta***](https://www.rbmplife.org.mt/) ***– Scientific consultant***The LIFE IP RBMP project supports the implementation of the second River Basin Management Plan (RBMP) through the establishment of an integrated framework for the optimised management of all water resources on the Maltese islands. Ecostack Innovations was commissioned by the authorities to quantify and assess ecosystem services in order to inform water management actions within the Maltese Islands. [***ESMERALDA***](http://esmeralda-project.eu/)ESMERALDA (Enhancing ecoSysteM sERvices mApping for poLicy and Decision mAking) aims to deliver a flexible methodology for ecosystem service assessments, supporting EU Member States in achieving Action 5 of the Biodiversity Strategy. The approach integrates biophysical, socio-cultural and economic methods and tests them in different conditions, scales, policy issues and decision-making processes through stakeholder involvement in several case studies across the EU.[***EnRoute***](http://oppla.eu/enroute)EnRoute (Enhancing Resilience of urban ecosystems through green infrastructure) is a project of the European Commission in the framework of the EU Biodiversity Strategy and the Green Infrastructure Strategy. EnRoute provides scientific knowledge of how urban ecosystems can support urban planning at different stages of policy and for various spatial scales and how to help policymaking for sustainable cities. It aims to promote the application of urban green infrastructure at local level and delivers guidance on the creation, management and governance of urban green infrastructure. Importantly, it illustrates how collaboration between and across different policy levels can lead to concrete green infrastructure policy setting.[***SOLIBAM***](http://www.solibam.eu/SOLIBAM/home.html)The overall objective of the FP7 project SOLIBAM (Strategies for organic and low-input integrated breeding and management) was to develop specific and novel breeding approaches integrated with management practices to improve the performance, quality, sustainability and stability of crops adapted to organic and low-input systems. |
| **Short Description of the Project idea** **(if foreseeable)** | Nature-based solutions (NbS) provide benefits to biodiversity, support ecosystem service flows to society, and are considered an opportunity for sustainable and resilient urbanisation. There is, therefore, a consensus that NbS can also play a significant role in tackling some of challenges associated with climate change and local drivers, such as rapid urbanisation, which may lead to trade-offs and a decreasing supply of ecosystem services. However, implementing nature-based solutions is inherently complex and requires consideration of a range of environmental and socio-economic conditions that may impact on their effectiveness. As industrial innovation expert, Ecostack Innovations is working with key stakeholders by providing policy support and promoting evidence-based implementation of greening measures and nature-based solutions. Within this context, we would be interested to host MSCA Postdoctoral Fellows who are willing to monitor and assess biodiversity and ecosystem services across a rural-urban gradient, develop opportunities to operationalise ecosystem services concepts by providing novel tools that can be use by planner, policy-makers, businesses and the public, and engage with stakeholders to build-on existing participatory work by developing living lab approaches that encourage cooperation and facilitate adaptive management of cultural ecosystems.  |
| **Related Call**  | **MSCA Postdoctoral Fellowship** |
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