

Profile View

Details

Title: Social and environmental initiative active in waste management through vermiculture is looking for partners under outsourcing agreements

POD Reference: BORO20200521001

Summary: Established in Transylvania in 2018, the Romanian social and environmental initiative is specialized in sustainable activities, such as education and green events, waste management, composting, vermiculture etc. Thus, the Romanian team would like to identify partners (e.g. start-ups, SMEs, NGOs, investors, universities) to conclude outsourcing agreements for waste management projects through vermiculture.

Description: In 2018 a young Romanian engineer specialized in the energy sector, established an project as an initiative group who funded their own pilot programme designed to collect and manage biodegradable and composting organic scraps out the households without possibility of local composting. The entire waste management pilot programme is documented online, in social media etc.

The Romanian engineer started as a sustainability worker at festivals and, having a background (both knowledge and experience) in electro-energetics, she educated herself in climate change, circular economy and waste management.

After a couple of years of "on site" experience, being the first one in Romania to compost food scraps through vermiculture, the engineer became among the few specialists in vermiculture and vermicomposting from the country.

Vermiculture, the science of breeding and raising earthworm, defines the thrilling potential for waste reduction, fertilizer production, as well as an assortment of possible uses for the future.

Vermicomposting is the process of producing organic fertilizer or the vermicompost from bio-degradable materials with earthworms.

Composting with worms avoids the needless disposal of vegetative food wastes and has the benefits of high quality compost.

Today, the Romanian initiative is based on five directions:

1. educating/ informing the public by organising green events, as most of the festivals and events are taking place without consulting a sustainability specialist, resulting in enormous quantities of waste generated (since the law regarding waste management is clearly

- pointing that the focus should be on prevention);
2. design and develop suitable containers - compost bucket suitable for collecting and transporting the waste - prototypes for circular economy principles. A prototype is in the testing phase;
 3. develop a plant with automatic sanitation;
 4. rethink a mobility solution for waste disposal - by car, by train or drones (hazardous waste);
 5. waste composting in a compost station equipped with a laboratory; since the solution for composting food scraps is still in a developing stage, and considering that the fruits and vegetables on the market are chemically treated, the chances that the result of the composting process to be disastrous are really high that's why the entire process needs to be observed step by step.

The Romanian project team has in plan to find locally support from the community, companies and from the government; it would also like to access funding lines launched by the ministry of environment and climate change for the circular economy projects.

The Romanian initiative aims to expand its knowledge; therefore it is looking for international partners (e.g. Start-ups, SMEs, NGOs, investors, universities), within the frame of outsourcing agreements for waste management projects through vermiculture.

Advantages and Innovations:

- experience in developing and coordinating a team and grant-funded programs;
- experience in NGO environment;
- experience in electro-energetics and industrial design;
- self-taught in sustainability, climate change, circular economy and waste management, vermiculture and vermicomposting;
- was invited to help writing the Romanian national compost standard;
- skilled in negotiation and project management.

advantages of vermiculture and vermicomposting:

- has a higher concentration of plant-available nutrients including nitrogen, phosphorus and potassium;
- helps attain healthy plants without any need for synthetic fertilizers;
- has an increased ability to hold moisture;
- releases water more slowly, reducing watering needs.

Keywords

Technology 10002004 Climate Change mitigation
 Keywords: 10003001 Biotreatment / Compost / Bioconversion
 10003004 Recycling, Recovery
 10003006 Waste disinfection / detoxification
 Market Keywords: 07005004 Education and educational products and materials
 08004004 Other pollution and recycling related

Partner Sought

Type and Role of Partner Sought: The suitable partners are Start-ups, SMEs and NGOs working in the creative field and willing to start a new project or have a sustainability related project in progress and are looking for partners, in the frame of outsourcing agreements.

The projects of interest comprise professionals from interdisciplinary background as education, services, industry, with a focus on climate change, circular economy, waste management and vermiculture.

The partners should provide all the specific requirements and should be involved in the process of the project.

Type and Size of Partner Sought: >500
 >500 MNE
 251-500
 Inventor
 R&D Institution
 SME <10
 SME 11-50
 SME 51-250
 University

Type of Partnership Considered: Outsourcing agreement

Client

Type and Size of Client: Industry SME <= 10
 Year Established: 2018
 Turnover (euro): <1M
 Already Engaged in Trans-National Cooperation: No

Languages English
Spoken: Hungarian
Romanian
Client Country: Romania

Dissemination

Relevant Sector Environment
Groups: Materials

