



Climate Action, Environment, Resource Efficiency and Raw Materials (Session 2: SC5)

The project ideas
from SNAU as a partner looking for consortium

Tetiana Shevchenko
Sumy National Agrarian University
Ukraine



Topics, Project ideas



Title	Relevant topic	Proposed actions	Expected result	Keywords
First project proposal				
«Circularity measurement based on segmentation of the resource cycle»	CE-SC5-31-2020	<ol style="list-style-type: none"> 1. To develop a framework for circular data by enterprises of all economy sectors, from mining of raw material to manufacturing of product, from collection of end-of-life product via restoration to manufacturing of recycled product. 2. To develop a system of circular data by enterprises belong to different sectors. 	Framework for circular data by enterprises from mining of raw material to manufacturing of product, from collection of end-of-life product via restoration to manufacturing of recycled product.	Circularity measurement, circular data
Second project proposal				
«Reverse logistic system for WEEE collection based on using delivery services»	CE-SC5-07-2020	<ol style="list-style-type: none"> 1. To conceptually design the reverse logistic system for WEEE collection based on using all available potential of delivery services, in particular the «way back» of delivery services vehicles. 2. To develop a business model for WEEE collection using available transport potential of delivery services' vehicles. 	Design of WEEE reverse logistic system that operated on delivery services.	WEEE, logistics optimization, collection
Third project proposal				
«Electronic bonus card system for WEEE collection as a motivation technology for consumer»	CE-SC5-24-2020	1. To develop algorithm, requirements and instructions on interaction between participants for operating of the electronic bonus card system to increase WEEE collection rates.	Hardware and software complex on the use of electronic bonus cards in the area of WEEE collection.	Consumer motivation technology, WEEE collection

Expertise

Focus areas, relevant projects, recent articles



Focus areas	International projects participation	Last articles prepared in 2019
<ol style="list-style-type: none"> 1. Understanding circularity phenomenon in CE 2. Circularity metrics development 3. Circular products categorization 4. Understanding pro-circular consumer behavior 5. Understanding consumer recycling behavior 6. Circularity potential categorization 7. Circularity potential management 8. Building-up of circularity potential 9. Allocation of available circularity potential 10. Configurative strategy development 	<ol style="list-style-type: none"> 1. SK08 Cross-border Cooperation: CBC02/PSK-I/038, Slovak-Norwegian-Ukrainian project «Analysis and assessment of the state of the environment in the border area SK-UA to ensure the sustainability of the territory», 2016-2017. http://eeagrants.org/programme/view/SK08/PA26 2. Grant of U.S. Trade and Development Agency on the Feasibility study, project title – «Implementation of energy saving technologies in the processing of municipal solid waste in Sumy», applicant – Ltd «Svit M», 2012 p. http://forua.wordpress.com/2012/03/26/us-grants-ukraine-350-thousand-to-recycle-waste/ 3. The Packbridge Challenge, Malmo, Sweden, 2018 http://startup.packbridge.se/startup-contestants/ 4. Nordic Organic Food Fair, Malmo, Sweden, 2018 https://www.nordicorganicexpo.com/2018-show-guide/#fb0=15 	<p><i>Scopus and Web of Science:</i></p> <ol style="list-style-type: none"> 1. Shevchenko T., Laitala K., Danko Yu. (2019) ‘Understanding Consumer E-Waste Recycling Behavior: Introducing a New Economic Incentive to Increase the Collection Rates’, Sustainability, Vol. 11, No. 9, pp.2656. https://www.mdpi.com/2071-1050/11/9/2656 2. Shevchenko T., Kronenberg J. (2019) ‘Management of material and product circularity potential as an approach to operationalise circular economy’, Progress in Industrial Ecology, An International Journal, Vol. 13, No. 4 (Article in press). https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=pie 3. Shevchenko T., Danko Yu. (2019) ‘Progress toward a circular economy: new metric for circularity measurement based on segmentation of resource cycle’, International Journal of Environment and Waste Management (Article in press). https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijewm 4. Shevchenko T., Hubanova O., Danko Yu., Mykhailova L. (2019) ‘Clarifying a circularity phenomenon in a circular economy under the notion of ‘potential’: new dimension and categorization’, Journal of Environmental Planning and Management (under review).



Contact details



Tetiana Shevchenko

PhD, Associate Professor

Senior Researcher at the Scientific Department

Sumy National Agrarian University

Sumy, Ukraine

E-mail: tanya_goncharova@meta.ua

Phone: +38(066)182-03-96