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Country*: Latvia, Sweden, Germany	Place*: Zoom	Venue*: Zoom
Project partner: Vidzeme Planning Region (Latvia) Halmstad University (Sweden) 3N Kompetenzzentrum e.V. (Germany)	Contact persons: Iriņa Kulitāne Per-Ola Ulvenblad Sascha Hermus	Start date: 09.11.2021 End date: 10.11.2021

* The event was organised in online format: all speakers and participants interacted entirely online in Zoom platform. Participants did registration prior the event. 111 participants were registered. Access to the event was provided by sending the invitation. 71 participants took part (screenshots are provided as evidence). The event recording was streamlined in the Facebook. In order to ensure dissemination of the knowledge, video recording of the event was done and published in the project website.

TYPE OF THE EVENT

(A) Awareness raising event (2 transnational conferences planned; 2-day events)	<input type="checkbox"/>
(B) Business sector engagement event (8 local workshops planned; 1-day events with field trips)	<input type="checkbox"/>
(C) Business sector engagement event (2 transnational networking/matching events planned; 2-day events)	<input type="checkbox"/>
(D) Public sector engagement event (4 transnational events for experience exchange planned; 2-day events)	<input checked="" type="checkbox"/>
(E) Public sector engagement event (7 local trainings on circular bioeconomy planned; 1-day events)	<input type="checkbox"/>

TITLE OF THE EVENT

Experience Exchange and Networking Event “Perspectives and Challenges of Local Authorities and Municipal Waste Management Enterprises for Bio-Waste Management”

PARTICIPANTS

Business enterprises (biomass producers and processing companies, incl. bioenergy companies, as well as other value chain players, such as providers of specialised equipment, logistics, financing or consulting services) and state/municipality owned enterprises (waste management or other utility companies):

Latvia:

- Except Integrated Sustainability
- Getliņi EKO Ltd.
- Liepājas RAS Ltd.
- Clean R Ltd.
- ZAAO Ltd.
- LAUTUS VIDE PS
- Dobeles komunālie pakalpojumi Ltd.
- Ardenis Ltd.
- WORMERA, Ltd.
- Pilsētvides serviss Ltd.
- Seafood AS
- JSC Olaines ūdens un siltums
- Ventspils labiekārtošanas kombināts Ltd.
- BIOMUND Ltd.
- Edo Consult Ltd.
- JUMIS Sigulda City Ltd.
- Virsma Ltd.

Germany:

- PlanET Biogastechnik GmbH
- Interseroh+ GmbH
- Unternehmensberatung & Dienstleistung
- Grube Land- und Umwelttechnik GmbH & Co KG
- Whc
- 3N Kompetenzzentrum

Sweden:

- Energikontor Sydost, The Energy Agency for Southeast Sweden

Estonia:

- Ida-Viru County Industrial Areas Development Foundation (IVIA)

Russia:

- Municipal enterprise of the city of Pskov "Gorvodokanal"

National, regional and local public authorities, such as ministries, sectorial agencies, administrations of municipalities:

Latvia:

- Investment and Development Agency of Latvia (LIAA)
- Vidzeme Planning Region

- Ministry of Environmental Protection and Regional Development of the Republic of Latvia
- Valmiera Municipality
- The Public Utilities Commission (PUC)
- Daugavpils Municipality
- The State Environmental Service of the Republic of Latvia
- Association Board of the Jaunpiebalga county, Cēsis Region
- Riga City Council
- Jelgava Municipality
- Saulkrasti Municipality
- Ogre Municipality
- Sigulda Municipality
- Gulbene Municipality
- Jelgava city Municipality
- Daugavpils city Municipality
- Rēzekne Municipality
- Olaine Municipality

Spain:

- The Àrea Metropolitana de Barcelona

Non-governmental organisations (associations and other non-profit non-governmental organisations):

Latvia:

- Waste Management Association of Latvia
- Zero Waste Latvija (ZWL)
- Zero Emissions

Austria:

- Hilfswerk International

Research and academic institutions, i.e. institutions which core activities are research and/or education (be it public or private entities):

Latvia:

- The University of Latvia (UL)
- The Institute for Food and Environmental Research (ILU)
- Riga Technical University
- Vidzeme University of Applied Sciences (ViA)
- Baltic Studies Centre (BSC)
- Latvia University of Life Sciences and Technologies
- Institute of Physical Energetics (IPE)
- Latvian State Forest Research Institute "Silava"

Sweden:

- Halmstad University

Germany:

- Hochschule Emden/Leer

Lithuania:

- Vytautas Magnus University

Spain:

- Technological Centre for Environment and Energy of Murcia Region (CETENMA)

Uzbekistan:

- Tashkent Institute of Irrigation and Agricultural Mechanization Engineers (TIAME)
- Samarkand branch of Tashkent State Agrarian University

FEEDBACK FROM THE PARTICIPANTS

1. Main questions discussed with the participants
<p>Main questions addressed at the event were related to the bio-waste, considering its origin, management and impact aspects: future perspectives and trends, technologies, challenges, management approaches, and local strategies and action plans. Competent experts were invited to present these different aspects. Presentations were as following:</p> <ul style="list-style-type: none">• Bio-waste management and utilisation future perspectives and challenges• Innovative bio-waste management and utilisation technologies• Experiences of European countries in biowaste management• Biogas production and composting of bio-waste from households• Biogas – a good environmental option for treating bio-waste• Life cycle thinking and assessment for waste management at municipal and institutional level• Local strategies and action plans for effective bio-waste management and utilisation
2. How presented project outputs are useful for the participants and can be applied in their activities?
<p>Participants were introduced to the “Good practice implementation guidelines for circular bioeconomy development at municipal level”. Municipalities and their enterprises can use the guidelines as a toolkit to find the most appropriate pathways for the bioeconomy development at regional and local level.</p>
3. What proposals were provided by the participants (on how to develop further project outputs, regarding future events, etc.)?
<p>During the event participants were asked if they are interested in participating in new international projects related to bio-waste management and utilisation, and what are the main interests? Answers provided gave a picture on thematic being subject of interest:</p> <ul style="list-style-type: none">• Treatment of side streams/waste streams via bacteria (54 % of participants are interested)• Coal-production (pyrolysis/HTC) on base of side streams/waste streams (8 %)• Fertilizer-production out of side streams/waste streams (35 %)• Regulatory affairs on treatment of waste streams/side streams via biological opportunities (42 %)• Insect production (for feed and food) on side streams/waste streams (35 %)• Micro/macro-algae-production on side streams/waste streams (31 %)• Technologies for utilisation and sustainable management of municipal bio-waste (77 %)
4. Good practice examples suggested by the participants
<ul style="list-style-type: none">• Life cycle thinking and assessment approaches for waste management at municipal and institutional level (Latvia)• Local strategies and action plans for effective bio-waste management and utilisation (Sweden)• Biogas production and composting of bio-waste from households (Germany)
5. Maybe other organizations that were not present, but might be interested in presented project outputs were identified during the event?
<p>Assessment of such interest was not carried within the event. There is no information on non-participating organisations being interested in the project outputs.</p>
6. The participants made questions and expressed their concern mainly about:
<p>Questions and concerns were made concerning the specific issues addressed within the presentations of the experts.</p>