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DRAFT

Project Plan for the CEN Workshop on “Key factors for the successful implementation of urban biowaste selective collection schemes”

WS number or WS Acronym: KEY-BIOWASTE

(to be approved during the Kick-off meeting on 2021-10-05)

1. Status of the Project Plan

Draft Project Plan to be approved at the Kick-off meeting of the Workshop.

2. Background to the Workshop

- The market environment

Every year each European citizen produces on average 200 kg of municipal biowaste. This means that between 118 and 138 million tonnes of biowaste arise annually in the EU. The municipal biowaste management systems that currently exist in Europe, such as landfilling, do not give a second life to materials or resources contained in the biowaste. Other alternatives such as incineration and composting do not allow to take full advantage of the biowaste potential.

With the increase in biowaste production, the EU's priorities are to reduce food waste, increase separate collection and reuse or recycling. One of the main challenges for biowaste management is to integrate a valorisation system in a city context, and to recover strategic products with a market value that offsets the global cost of biowaste valorisation.

Thus, the recovery and valorisation of biowaste is one of the main lines of several EU-funded projects, like VALUEWASTE - which proposes an integrated system for urban biowaste valorisation into key strategic products for the EU.

In order to implement successful valorisation schemes to produce high value products with attractive and sustainable business cases, it is imperative to feed the processes with high quality biowaste. High quality biowaste rely on efficient selective collection systems and pre-treatments. Unfortunately, such systems to ensure high quality biowaste are scarce in Europe, making current valorisation systems uneconomical and therefore under-utilising the potential of urban biowaste.



- The legal environment (Europe)

- 2014: COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS Towards a circular economy: A zero waste programme for Europe:
<https://eur-lex.europa.eu/legal-content/ES/TXT/?uri=CELEX:52014DC0398>
- 2015: COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS Closing the loop - An EU action plan for the Circular Economy: <https://eur-lex.europa.eu/legal-content/ES/TXT/?uri=CELEX%3A52015DC0614>
- 2018: Review of the 2012 European Bioeconomy Strategy
https://ec.europa.eu/info/research-and-innovation/research-area/environment/bioeconomy/bioeconomy-strategy_en
- 2019: The European Green Deal. https://ec.europa.eu/info/sites/default/files/european-green-deal-communication_en.pdf

- Existing standards and standard related activities and documents

There are no European (CEN) or International (ISO) standards on the subject. CEN/TC 183 'Waste management' with lines of work on waste containers, waste collection vehicles and determination of the quantity of waste for products, does not address the subject.

- Motivation for the creation of this Workshop

The primary objective is to ensure the quality of the selectively collected biowaste, enabling the development of robust biowaste valorisation processes.

3. Workshop proposers and Workshop participants

- Original proposers of the Workshop

The CEN Workshop is proposed by the [VALUEWASTE](#) project. The research project has received funding from the European Union's HORIZON 2020 research and innovation programme under grant agreement number 818312. The proposer of the CEN Workshop is CETENMA, which is the project leader.

- Participants at the Kick-off meeting

The VALUEWASTE project partners have addressed interest to take part in the development of the CEN Workshop:

- ASOCIACION EMPRESARIAL CENTRO TECNOLOGICO DE LA ENERGIA Y DEL MEDIO AMBIENTE DE LA REGION DE MURCIA (CETENMA), Spain
- CESPA SERVICIOS URBANOS DE MURCIA, S.A. (MU-FERROVIAL), Spain
- Spanish Association for Standardization, UNE, Spain



- AYUNTAMIENTO DE MURCIA (MURCIA), Spain
- KALUNDBORG KOMMUNE (KLB), Denmark
- EURIZON SL (Innovarum), Spain
- SAVONIAAMMATTIKORKEAKOULU OY (Savonia), Finland
- INSTITUTO TECNOLÓGICO DE ARAGÓN (ITAINNOVA), Spain
- UNIBIO AS (UniBio A/S), Denmark
- FBCD AS (FBCD), Denmark
- NUTRIENTS RECOVERY SYSTEMS (NURESYS), Belgium
- EKOBALANS FENIX AB (EkoBalans), Sweden
- INGENIERIA Y DESARROLLOS RENOVABLES S.L. (INDEREN), Spain
- FUNDACION GAIKER (GAIKER), Spain
- ENTOMO CONSULTING, S.L. (ENTOMO), Spain
- EUROPEAN BIOMASS INDUSTRY ASSOCIATION (EUBIA), Belgium
- CREACIONES AROMATICAS INDUSTRIALES, S.A. (CARINSA), Spain

Furthermore, the H2020 projects [Scalibur](#), [WaysTUP!](#) and [Hoop](#) are invited to join the CEN Workshop.

The Workshop is open to any interested party or entity that is willing to support the aims of the project plan. The participation will be free of charge (see Section 7).

- CEN/CENELEC national member holding the Workshop secretariat:

UNE (Spain) will act as the National Standards Body.

4. Workshop scope and objectives

- Goal of the CEN Workshop

To support cities on the adoption and implementation of EU waste legislation and National policies on selective collection of urban biowaste, to achieve not only the required minimum amount but also leading to more quality biowaste for further use in robust valorisation processes.

- Draft Title

Key factors for the successful implementation of urban biowaste selective collection schemes

- Draft scope

The Workshop will provide guidance/recommendations for the implementation of biowaste selective collection schemes.



It is intended to be used by city planners and municipal waste managers with interest in implementing the selective collection of urban biowaste to produce high quality biowaste (i.e., minimal presence of non-required materials) which can be then used in robust valorisation processes with attractive business cases.

- Dissemination of final CWA:

- To relevant ISO and CEN Technical Committees mentioned in Section 8,
- At conferences (e.g. EU Regions/Cities Week; Pilots4EU - 'Pitch Perfect and Boost the European Bioeconomy'; Greencities Congress -*Urban Intelligence & Sustainability*).
- Through the communication channels of Valuwaste and other sister projects

5. Workshop programme

The CWA shall be drafted and published in English. The CWA might also be translated into other languages, depending on the demand of CEN Workshop members.

Work plan

Activity	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
1. Publication of draft Project Plan											
2. Workshop Kick-off Meeting											
3. Elaboration of draft CWA											
4. Public comment phase on Draft CWA											
5. Finalisation and approval											
6. Publication of CWA by CEN											

6. Workshop structure

In this section, the Workshop structure and the responsibilities of the main actors are described.

6.1 CEN Workshop chairperson and vice-chairperson

The chairperson has five main responsibilities.

- Communication with CEN Workshop participants about the content of the CWA.
- Monitoring CEN Workshop processes and CWA development progress.
- Managing and assessing the consensus process.
- Chairing online meetings and parts of the kick-off meeting.
- Representation of the CEN Workshop and its results to the exterior.



6.2 CEN Workshop secretariat

The secretariat has eight main responsibilities. The secretariat provides a professional management support in the form of administrative and operational services.

- The secretariat is providing the formal link to the CEN system.
- Organisation of CEN Workshop plenary meetings.
- Production of CEN Workshop meeting minutes and action lists.
- Administrative contact point for CWA project.
- Management of the CEN Workshop member lists.
- Management of the CEN Workshop document registers.
- Assistance of chairperson in monitoring and following-up of electronic discussions.
- Administrates the connection with relevant CEN/TCs.

7. Resource requirements

- Costs of the CEN/CENELEC Workshop

The management costs of the CEN/CENELEC Workshop will be covered by resources from the VALUEWASTE project.

According to CEN/CENELEC Guides 29 and 10, the resulting CEN Workshop Agreement will be available for free downloading from CEN-CENELEC webpage since it is under the R&I domain. Related cost will also be covered by VALUEWASTE project.

The copyright of the final CEN Workshop Agreement will be at CEN/CENELEC. The final document will include the following paragraph: "Results incorporated in this CEN/CENELEC Workshop Agreement received funding from the European Union's HORIZON 2020 research and innovation program under grant agreement number 818312".

- Participation and registration fee

Both registration and participation at the CEN/CENELEC Workshop described here are free of charge. The use of electronic meetings will be preferred. Nevertheless, in the case of physical meetings, they will be held in Europe and each participant has to bear his/her own costs for travel, accommodation, and subsistence.

8. Related activities, liaisons, etc.

The CEN Workshop does not conflict with any European or International standard published or under development.

The following Technical Committees (TC) were informed about the CEN Workshop:



- CEN/TC 183 'Waste management'
- CEN/TC 465 'Sustainable and smart cities and communities',

Additionally the following groups were informed:

- CEN-CENELEC-ETSI Sector Forum on Smart Cities and Communities.
- [Scalibur](#) project: 'Scalable technologies for bio-urban waste recovery'
- [WaysTUP!](#) project: 'Value chains for disruptive transformation of urban biowaste into biobased products in the city context'
- [Hoop](#) project: 'Hub of circular cities boosting platform to foster investments for the valorisation of urban biowaste and wastewater'

9. Contact points

Proposed Chairperson:

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