



Deliverable 11.2

Communication Material

WP 11 –Dissemination and Training

Version 1.0

Authors: IIT

Lead participant: IIT

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Dissemination level: Public

Type: Report



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Revision History

| Author Name, Partner short name | Description | Date |
|---------------------------------------|--|------------------|
| IIT | Draft deliverable | February 2018 |
| G. Campodonico, IIT L.Taverna, IIT | Project visual Identity creation | January 2018 |
| G.Traverso, IIT L.Taverna, IIT | Deliverable Editing Material Design | March-April 2018 |
| G.Traverso, IIT | Finalized draft | 24/04/2018 |
| P. Zitella (ENVI) | Deliverable review | 29/04/2018 |
| G.Traverso, IIT | Final Version | 30/05/2018 |

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1 Introduction

This document reports on the full set of communication material produced within the ENGICOIN project for promoting the project to a wider audience and for supporting the implementation of the Dissemination Plan (D11.3).

The initial communication package developed at this early stage of the project (M5) is based on basic project information (objectives, expected impact and consortium). Further steps and updated versions will be produced at later stage, alongside the project evolvement and in line with key milestones and achievements.

All communication materials will be made available on the dedicated project website (D11.1) for consultation or download.

1.1 Use of this document: licence and disclaimer

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2 Project visual identity

Design rules have been set up in order to ensure a uniform and easily recognizable appearance of all ENGICOIN outputs. These specifications will be applied by all partners in all outputs: presentations, printed and online documents, deliverables and publications related to the project.

2.1 Project logo

The project logo has already been established in the beginning phase of the project and is already being used since project start for all dissemination and communication activities.

Different variations of the logo have been prepared to be used according to the necessity:

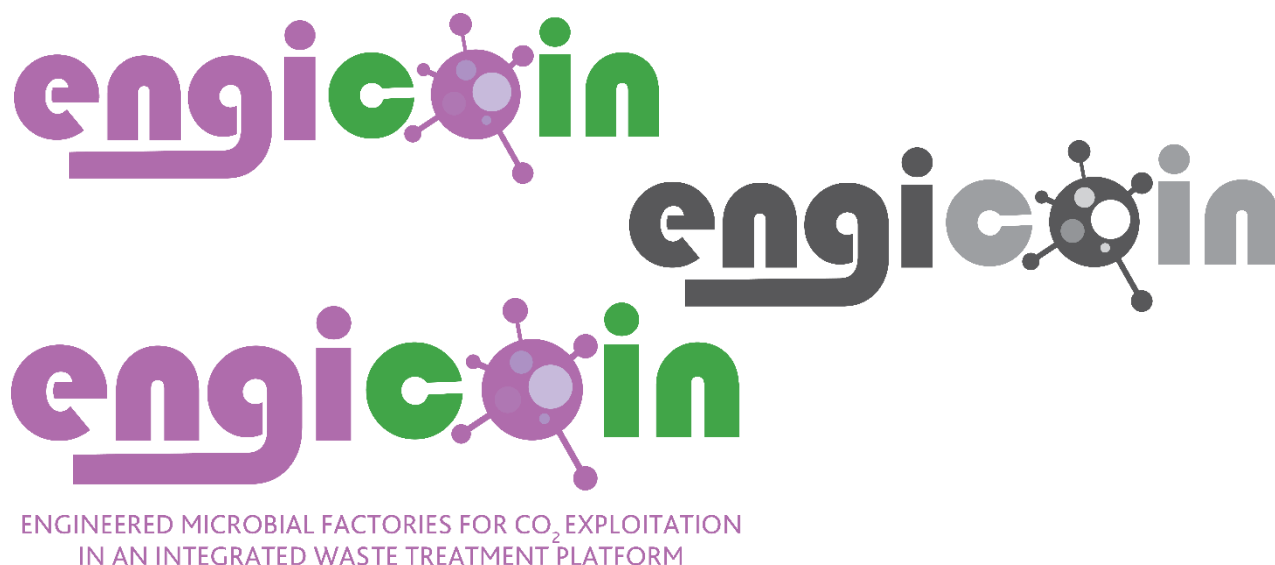


Figure 1 – ENGICOIN logo and variations

The tailored header, designed to be used in key project documents, uniquely includes the simple version of the logo for what regards deliverables and WP Reports, and extended title version of the logo in other documents.

A costumed footer has been created for presentations:

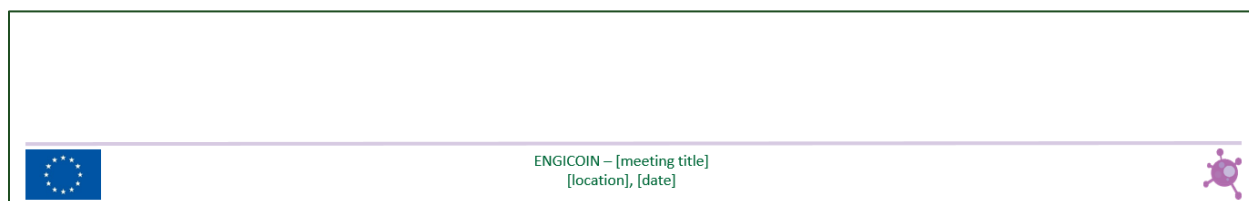


Figure 2 – ENGICOIN presentation footer

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The symbol included in the project logo and in this footer can also be used as recurring element of project products:

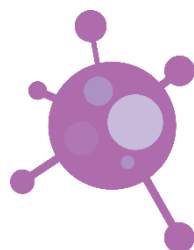






Figure 3 –ENGICOIN microbial symbol

All project logo, images and variations are available to partners for download in the project platform¹.

2.2 Color Guide

The main colors to be used are derived from the ENGICOIN logo:

| | | | | |
|---|-------------------|--------------------|----------------------|-------------|
|  | Main green: | RGB 66, 163, 71; | CMYK 76, 11, 100, 1; | Hex #42A347 |
|  | Secondary green: | RGB 32, 79, 35; | CMYK 59, 0, 56, 69 | Hex #204f23 |
|  | Main violet: | RGB 175, 108, 172; | CMYK 32, 68, 0, 0; | Hex #Af6CAC |
|  | Secondary violet: | RGB 199, 185, 219; | CMYK 20, 26, 0, 0; | Hex #C7B9DB |

2.3 Additional visual elements

2.3.1 EU emblem and acknowledgment

In line with provisions established in the project Grant Agreement, all public project material must include the EU emblem, a formal acknowledgment to EU funding as well as the disclaimer of EC responsibility:



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Figure 4 – EU emblem, acknowledgement, and disclaimer

¹ <https://istitutoitalianotecnologia.sharepoint.com/sites/ext/engico.in/>

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2.3.2 Partners logos

Partners' logos will be used in the main and basic communication material (website, leaflet, and roll-up banner) and may be used in additional material as well as in single presentations. High-resolution versions of the logo are available to partners in the project repository and will be used for project-related activities only.



Figure 5 – Partners'6 Logos

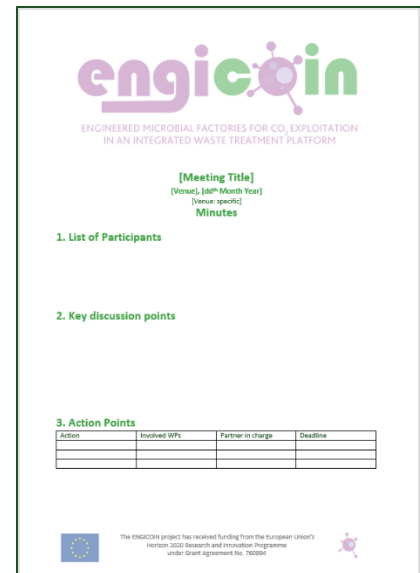
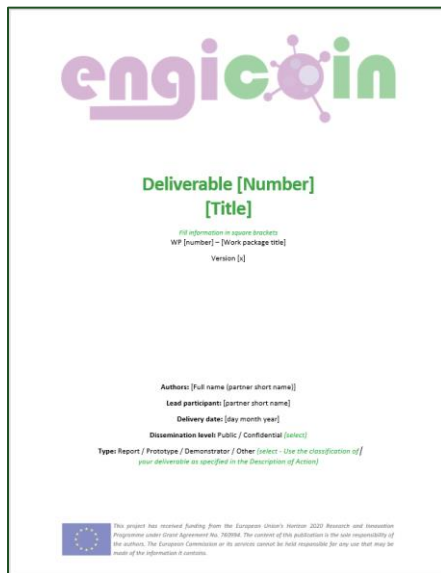
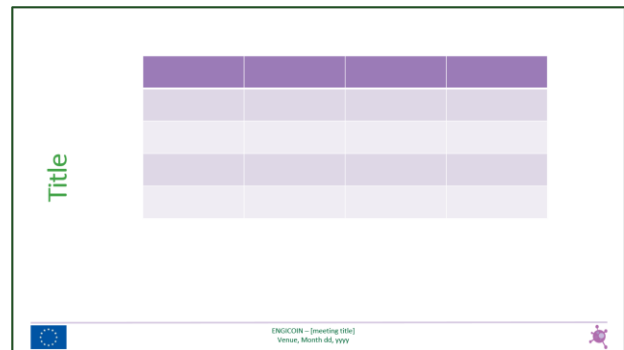
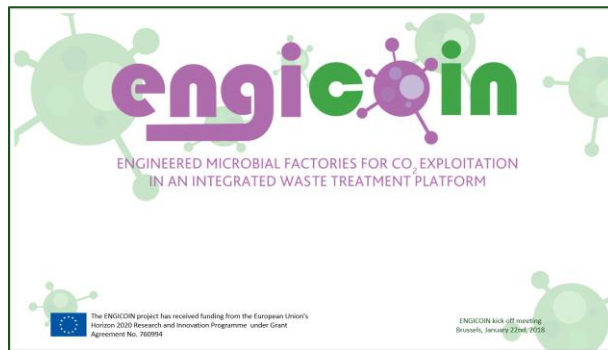
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2.4 Templates

Templates for all key project documentation have been prepared based on the project design elements and colours to ensure consistent visual identity throughout the project duration.

The project templates available for partners to download on the project platform are:

- Presentation
- Deliverables
- Events agenda
- Events minutes
- Events participants list
- Internal WP report
- Internal Dissemination and Exploitation Report
- Internal Financial Reporting





Title
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ENGINEERED MICROBIAL FACTORIES FOR CO₂ EXPLOITATION
IN AN INTEGRATED WASTE TREATMENT PLATFORM

[Meeting Title]
[Venue], [ddth Month Year]
[venue specific]
Participants list

| Participant name | Organisation | Signature |
|------------------|--------------|-----------|
| | | |
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The ENGICOIN project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No. 760364

**Internal Technical Report
WP [Number]**

Period: (please select)

RP 1.1: M1 – M8 (January 2018 – August 2018)

RP 1.2: M9 – M16 (September 2018 – April 2019)

RP 2.1: M17 – M24 (May 2019 – December 2019)

RP 2.2: M25 – M33 (January 2020 – September 2020)

RP 3.1: M34 – M41 (October 2020 – May 2021)

RP 3.2: 42 – M48 (June 2021 – December 2021)

The ENGICOIN project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No. 760364

| EC Type of publication (*) | Title (*) | DOI (*) | ISSN or e-ISSN | Authors (*) | Title of the journal/conference | Number, date | Publisher (*) | Place of publication (*) | Year of publication (*) | Release in pages | Is this a joint public/private publication? (*) | Peer-review (*) | Open access (*) | APC 1 (Gold OA) | Length of embargo | Publication Link (*) | Repository Link (*) | ORCID check | Repository Check |
|----------------------------|-----------|---------|----------------|-------------|---------------------------------|--------------|---------------|--------------------------|-------------------------|------------------|---|-----------------|-----------------|-----------------|-------------------|----------------------|---------------------|-------------|------------------|
| | | | | | | | | | | | | | | | | | | n.a. | n.a. |
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| | | | | | | | | | | | | | | | | | | n.a. | n.a. |
| | | | | | | | | | | | | | | | | | | n.a. | n.a. |
| | | | | | | | | | | | | | | | | | | n.a. | n.a. |
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| | | | | | | | | | | | | | | | | | | n.a. | n.a. |
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Beneficiary Short Name xxx

Beneficiary Number xxx

Average PM cost (GA) xxx

Average PM cost (RP3.1) -

[More on Eligible & Ineligible criteria - Annotated Model Grant Agreement Art. 6.1 - 6.5](#)

Reporting Period 3.1: M34-M41

| WP | Task | Person Months | PERSONNEL | | Direct costs (€) |
|-----------------|-----------------|---------------|--------------------|--|------------------|
| | | | Personnel involved | | |
| WP1 | T1.1 | | | | |
| | T1.2 | | | | |
| | Subtotal | - | | | |
| WP2 | T2.1 | | | | |
| | T2.2 | | | | |
| | T2.3 | | | | |
| | T2.4 | | | | |
| | T2.5 | | | | |
| Subtotal | - | | | | |
| WP3 | T3.1 | | | | |
| | T3.2 | | | | |
| | T3.3 | | | | |
| | T3.4 | | | | |
| Subtotal | - | | | | |
| WP4 | T4.1 | | | | |
| | T4.2 | | | | |
| | T4.3 | | | | |
| | T4.4 | | | | |
| | T4.5 | | | | |
| | T4.6 | | | | |
| Subtotal | - | | | | |
| WP5 | T5.1 | | | | |
| | T5.2 | | | | |
| | T5.3 | | | | |
| | T5.4 | | | | |
| | T5.5 | | | | |
| | T5.6 | | | | |
| Subtotal | - | | | | |
| T6.1 | | | | | |
| T6.2 | | | | | |
| T6.3 | | | | | |

Guidelines - Personnel costs

Declare here your direct personnel costs.
List PMs, Personnel involved and costs per work packages.
The beneficiaries may declare the following types of costs as 'direct personnel costs':

- costs for **employees** (or equivalent);
- costs for **natural persons** working under a direct contract
- costs for **personnel seconded by a third party**
- costs for beneficiaries that are **SMEs for their owners** not receiving a salary
- costs for beneficiaries that are **natural persons not receiving a salary**
- personnel costs for providing **trans-national or virtual access** to research infrastructure (if option applies)

Figure 6 –ENGICOIN key documents templates

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3 Communication package

The project communication material is designed in line with the project visual identity.

The initial communication package is based on basic project information and will be formed of Flyer, Business cards, Roll-up poster, Project presentations, and Folder.

3.1 Flyer

An initial project flyer has been produced to inform on the project main objectives and to provide details of the project consortium and contact information.

The project flyer is available for download on the project website while partners can access on the project platform the high-resolution version ready to print which includes crop markers.

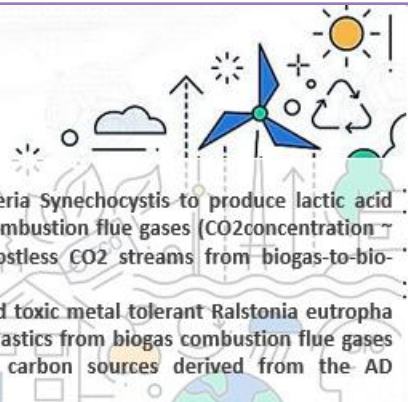
The flyer has been produced in English since it will be primarily handed out at European and international events. Additional versions in the six consortium languages will be produced along the project implementation upon ad hoc needs.



OUR GOAL

The ENGICOIN proposal aims at the development, from TRL3 to TRL5, of three new microbial factories (MFs), integrated in an organic waste anaerobic digestion (AD) platform, based on engineered strains exploiting CO₂ sources and renewable solar radiation or H₂ for the production of value-added chemicals, namely:

For further information, please contact us at:
info@engico.in



MF.1) the cyanobacteria *Synechocystis* to produce lactic acid from either biogas combustion flue gases (CO₂ concentration ~ 15%) or pure and costless CO₂ streams from biogas-to-bio-methane purification.

MF.2) the aerobic and toxic metal tolerant *Ralstonia eutropha* to produce PHA bioplastics from biogas combustion flue gases and complementary carbon sources derived from the AD digestate.

MF.3) the anaerobic *Acetobacterium woodii* to produce acetone from the CO₂ stream from biogas-to-bio-methane purification.

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Figure 7 –ENGICOIN Flyer

The draft attached here is a preliminary version. As the project progresses, a new, more detailed versions can be produced to share our results.

Additional versions with more technical jargon and messages may be produced at later stage in order to better meet the interests of the stakeholders identified in the project Dissemination Plan(D11.3).

3.2 Business cards

Project business cards have been designed for the ENGICOIN team, they may serve to share basic information and general contacts when interacting with potential stakeholders.

Those will contain project website address and contact email address (info@engicoïn.eu).

Business cards can also be inserted in the communication kits provided at conferences, events, and trainings.



Figure 8 –ENGICOIN business card

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3.3 Project Poster

A roll-up poster has been designed as an important tool for general project visibility during events, conferences, open days, and workshops. The roll-up includes key project information: title, consortium, funding, and link to website.

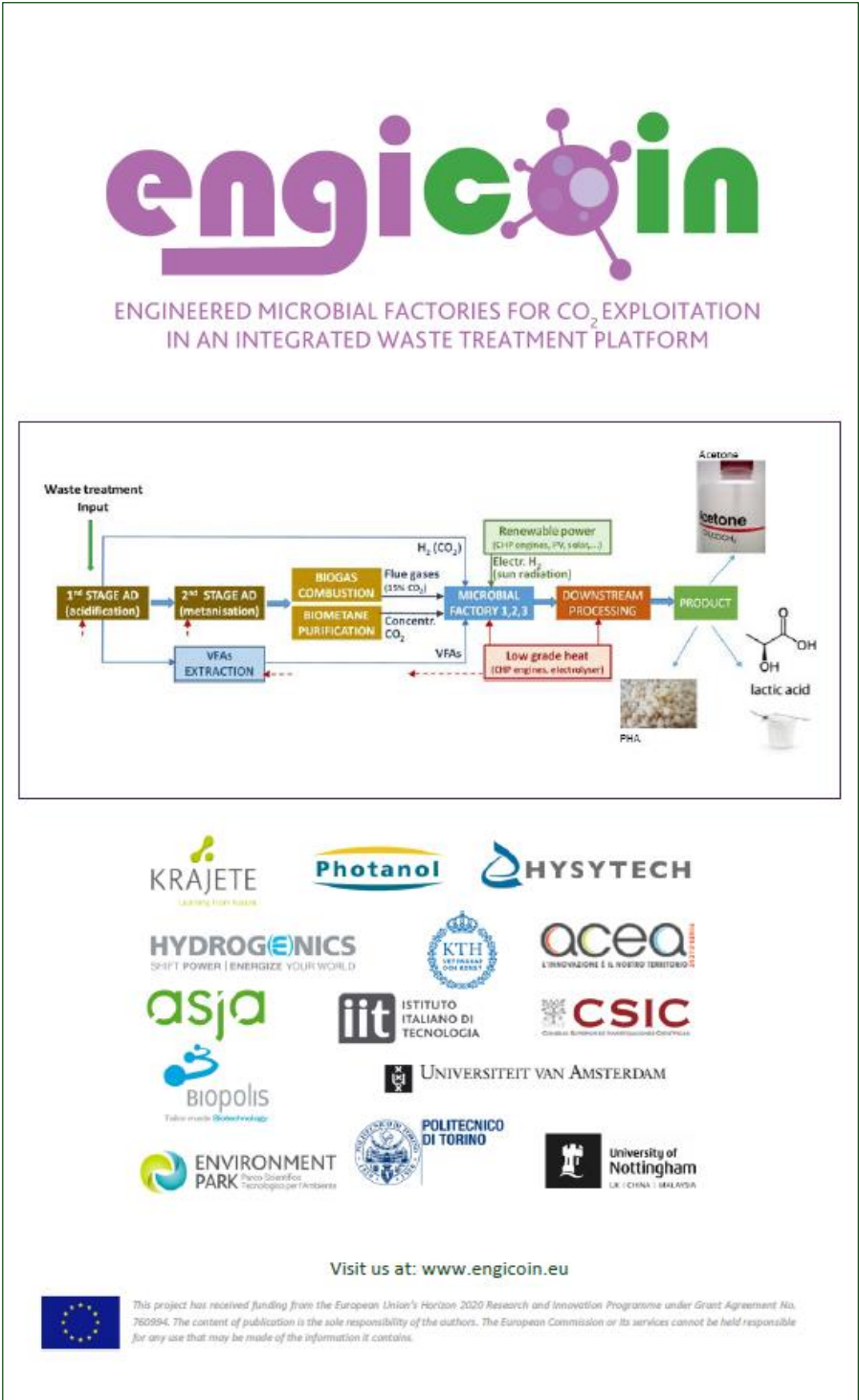


Figure 9: ENGICOIN Poster

3.4 Project presentation

A PowerPoint standard presentation has been created for ENGICOIN partners.

It is the principal base to use when presenting the project at external meetings, conferences, or events. The presentation can be used as guide providing key project information and each partner is responsible to tailor it to the specific event and to convey specific messages or results.

A one-slide ENGICOIN presentation is likely to be produced condensing all key information. It would allow partners to acknowledge their participation in the ENGICOIN project and also it can be useful tool to project or circulate when oral presentation is not possible.



engicoin
ENGINEERED MICROBIAL FACTORIES FOR CO₂ EXPLOITATION
IN AN INTEGRATED WASTE TREATMENT PLATFORM

Project overview

The ENGICOIN project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No. 1010194



The context

Diagram showing the integration of waste treatment, CO2 capture, and microbial production processes.



Generic process scheme

Flowchart of the production process: 1st STAGE AD (acidification) → 2nd STAGE AD (fermentation) → BIOGAS COMBUSTION → BIOMETHANE PURIFICATION → CO₂ EXTRACTION → FERMENTATION FACTORIES 1, 2, 3 → DOWNSTREAM PROCESSING → PRODUCT.



The three microbial factories

| DESCRIPTION | PROCESS WASTE | NOTIFICATIONS |
|---|--|--|
| MF1 Production of PHA from CO ₂ and waste water - Feedstock: CO ₂ and waste water - Process: Fermentation - Product: PHA | - CO ₂ from biogas combustion - Waste water from biogas purification | PRODUCT - LACTIC ACID This product, presence of polylactide biodegradable, provide the best potential economic margin according to PRO. |
| MF2 Production of PHA from CO ₂ and waste water - Feedstock: CO ₂ and waste water - Process: Fermentation - Product: PHA | - CO ₂ from biogas combustion - Waste water from biogas purification | PRODUCT - PHA BLENDED ACETATE This product is a key asset of the D2OP market strategy owing to its high potential price. Biodegradable PHA can be prepared through manufacturing with the available VFA. |
| MF3 Production of PHA from CO ₂ and waste water - Feedstock: CO ₂ and waste water - Process: Fermentation - Product: PHA | - CO ₂ from biogas combustion - Waste water from biogas purification | PRODUCT - ACETIC ACID This product is a key intermediate to many plastic materials. As a large PHA feed, ACETA2 (2) is produced in the acetate-based, non-aerobic S22 application in a very high yield. |



our objective

Objective 1: Increase the specific productivity of PHA from CO₂ and waste water. Target: 1.5 kg PHA/kg VS per day.

Objective 2: Increase the overall productivity of PHA from CO₂ and waste water. Target: 1.5 kg PHA/kg VS per day.

Objective 3: Increase the overall productivity of PHA from CO₂ and waste water. Target: 1.5 kg PHA/kg VS per day.



our objectives

Objective 1: Increase the specific productivity of PHA from CO₂ and waste water. Target: 1.5 kg PHA/kg VS per day.

Objective 2: Increase the overall productivity of PHA from CO₂ and waste water. Target: 1.5 kg PHA/kg VS per day.

Objective 3: Increase the overall productivity of PHA from CO₂ and waste water. Target: 1.5 kg PHA/kg VS per day.

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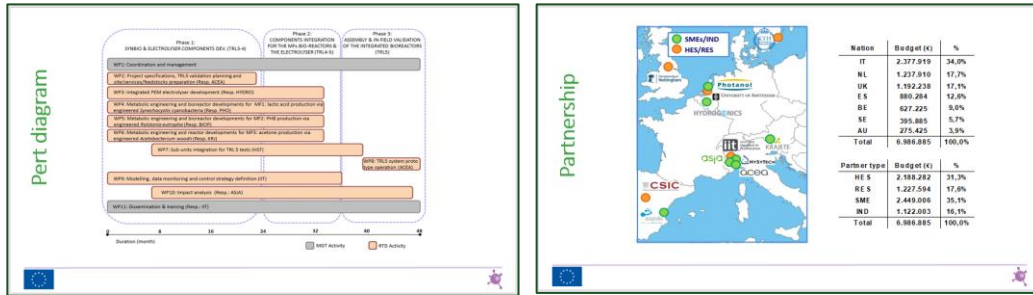


Figure 10 –ENGICOIN standard presentation

The presentations will be available for consultation on the project website while an editable PowerPoint version is available for download to partners in project platform.

Additional standard presentations will be produced at later stage with technical content, details, and messages to target specific stakeholders.

3.5 Folder

A project folder has been preliminary designed and will be printed over the first year of the project to complete and contain the project communication kit to be distributed at major events organized by the project partners or at project stands.



Figure 10 –ENGICOIN folder

| | | |
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3.6 Future communication package updates

A second set and update version of the communication package will be produced at later stage, alongside the project evolvement and in line with key milestones and achievements and project events.

As further detailed in the Dissemination Plan (D11.3), several communication materials are taken into consideration such as:

- Press releases
- Posters
- Video
- Images and infographics
- Technical project presentations

3.7 Training and marketing materials

In occasion of the project Trainings to be held from M18 onwards (D11.5, D11.6), additional support and marketing materials will be produced. Possible items currently under evaluation include branded USB keys, bags, pens, lanyards, and note pads.



Figure11- Marketing materials: Sticker, Bag, Lanyard, Pens, Pochette, Pendrive