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**Project Partners:**

1. LEITAT
2. ARCELORMITTAL
3. ARKEMA
4. FRAUNHOFER
5. NTUA
6. PTECH
7. AVT.BioVT
8. WFBR
9. ARTTIC
10. AQUATT
11. NS
12. NESHER
13. UAB
14. AES GENER
15. BBEPP
16. RUG
17. TECNALIA
18. COVESTRO

# BIOtechnological processes based on microbial platforms for the CONversion of $CO_2$ from iron steel industry into commodities for chemicals and plastics

Start date of the project: 01/01/2018
Duration 48 months

## D9.3

Suite of communication material (project logo, factsheet, PowerPoint template, website etc.)

| WP | No. 9 | Impact through dissemination, communication, training and exploitation |
|---|---|---|

| Dissemination level[1] | PU |
|---|---|
| Nature[2] | DEC |

| Due delivery date | 30/04/2018 |
|---|---|
| Actual delivery date | 19/07/2018 |

| Lead beneficiary | AquaTT |
|---|---|
| Contributing beneficiaries | All partners |

| Version | Date | Author | Partner | Email | Comments[3] |
|---|---|---|---|---|---|
| V1.0 | 28.06.2018 | Darren Clarke | AquaTT | darren@aquatt.ie | Final version for evaluation |
| | | | | | |
| | | | | | |
| | | | | | |

[1] Dissemination level: **PU** = Public, **PP** = Restricted to other programme participants (including the JU), **RE** = Restricted to a group specified by the consortium (including the JU), **CO** = Confidential, only for members of the consortium (including the JU).

[2] Nature of the deliverable: R = Document, report; DEM = Demonstrator, pilot, prototype; DEC = Websites, patent fillings, videos, etc.; ETHICS = Ethics requirement; ORDP = Open Research Data Pilot; OTHER.

[3] Creation, modification, final version for evaluation, revised version following evaluation, final.

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## Contents



## Annexes

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# Summary


## Objectives

The BIOCON-$CO_2$ communication and dissemination portfolio has been developed to facilitate the promotion of the BIOCON-$CO_2$ project and disseminate the project's objectives and findings to a variety of stakeholders and possible end-users. It is intended to help partners communicate the project and its results in a consistent and efficient manner.

## Rationale

The recognition and perception of a brand is highly dependent on its visual presentation. A brand's visual identity is something that people instantly recognise and associate with the project any time they see it, and is subsequently important for project awareness. Therefore, the first element of the BIOCON-$CO_2$ portfolio of dissemination resources and tools that was developed was the project logo / branding. Based on the branding, all other dissemination resources and tools have been developed, including PowerPoint templates to be used when presenting the project or results related to the project, a poster template, and a letterhead template. An introductory project Factsheet and a general BIOCON-$CO_2$ presentation containing information about the project have also been developed. Press releases and promotional articles will be developed when the need arises to aid external communication of the project, its activities and results. The BIOCON-$CO_2$ website is the main tool for promoting the project and disseminating the project's objectives, work plan and results to a wide audience including all possible end-users.

All resources will be updated if necessary and further resources will be developed over the course of the project in line with the project Description of Action (DoA) as well as in response to project results and stakeholder requirements.

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# 1 Introduction

To ensure effective dissemination, communication, training and exploitation, a dedicated Work Package (WP9) focusing on these aspects, is part of the BIOCON-$CO_2$ project. Professional science communicators, ARTTIC and AquaTT, together with all project partners, will implement efficient and effective communication and dissemination activities. This will ensure that any valuable knowledge, including data, generated in the project is identified and not only made accessible to potential end-users but is also transferred to them. The primary potential end-users include the food & feed, plastics and chemical industries, some of whom are BIOCON-$CO_2$ partners, thereby helping to streamline dissemination to industry.

Within WP9, the overall objective of D9.3 is to develop a suite of communication materials to facilitate communication of the BIOCON-$CO_2$ project. A portfolio of dissemination resources and tools was therefore developed to facilitate promotion and widespread awareness of the project. This is intended to help partners communicate the project and its results in a consistent and efficient manner. All materials described herein have been developed by AquaTT, a professional science communication entity, in collaboration with project partners.

All communication and dissemination materials, including:

- Logo
- Branding guidelines
- PowerPoint Template and Project Introduction PowerPoint Presentation
- Poster Template
- Factsheet
- Letterhead

are available for partners to download from the project's Intranet site or by contacting AquaTT; Darren Clarke (biocon-co2@aquatt.ie).

# 2 Logo

A specific project logo has been developed for project identity. The BIOCON-$CO_2$ logo is constructed using a combination of rounded bold lettering, harmonious colour choices, and illustration. The symbol on the left of this logotype represents the molecular chemical structure of $CO_2$ and the 3 main stages that the platform of the project will be based on (Figures 1-3). Part of the symbol has been transformed into a recycling symbol, conveying the conversion of carbon dioxide from the iron and steel industry into commodities for chemicals and plastics. The logo is and will be included in all project promotional material including the factsheet, website, etc. All logo options are also found in the Branding Guidelines. Guidance on how to use the logo can be found in the BIOCON-$CO_2$ Branding Guidelines (see Section 3 and Annex 1).


Figure 1: Primary logo – full colour

A greyscale version is intended for applications that are restricted in colour, such as fax, memo etc. and in instances where it is not possible to use colour printing techniques.


Figure 2: Positive greyscale logo


Figure 3: Negative greyscale logo

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# 3 Branding Guidelines

The BIOCON-$CO_2$ branding guidelines (Annex 1) offer a means by which all partners in BIOCON-$CO_2$ can achieve the prescribed standards of presentation. The document includes information on the different project logos (typeface used, colour palette, when to use the different logos and how to use them correctly). Correct usage of the EU acknowledgement that must be included with all dissemination relating to foreground is also included in the guide.

# 4 PowerPoint Template and Project Introduction PowerPoint Presentation

A BIOCON-$CO_2$ PowerPoint template (Annex 2) has been developed to use at internal and external events when presenting the BIOCON-$CO_2$ project and/or its outcomes. The template includes one cover slide to detail the title of the presentation, body slides, and one concluding slide.

A general presentation introducing the project has also been developed. This can be used by all partners to introduce the project objectives and expected results (Annex 3). This will also be updated throughout the project as new results become available.

# 5 Poster Template

A project poster template has been designed and developed for BIOCON-$CO_2$ poster presentations. The poster is designed for printing on A0 paper in full colour and has been designed both with a watermark and without a watermark (Annex 4).

# 6 Factsheet

A project factsheet was developed to give general audiences an overview of the BIOCON-$CO_2$ project. The factsheet describes the basis for the project, its main objectives, themes, partnership, funding and expected results (Annex 5). It is designed to increase general awareness of the project. Partners are encouraged to distribute the factsheet through their networks and at relevant events.

# 7 Letterhead

A letterhead, both with and without a watermark, has been developed for BIOCON-$CO_2$ partners for official project use when corresponding with external stakeholders in relation to the project (Annex 6).

# 8 Website

## 8.1 Purpose and function

The BIOCON-$CO_2$ website was developed following the EU's best practice guidelines for project websites. A main focus when setting up the website was to present it to audiences in a clear and user-friendly way. A comprehensive search function is included in the website structure and a separate workspace for project partners (Intranet) is accessible through a link on the website.

The dedicated BIOCON-$CO_2$ website plays multiple roles:

- A communication resource to promote the project, its objectives and partnership
- A communication resource to update interested parties on progress, events, results and outcomes and a repository for key deliverables

- A location for customised tools and services to support the operation of the project
- A means of developing close links with industry to disseminate the outputs of BIOCON-$CO_2$ research to potential end users. Specifically, a 'Targeting Industry' section on the website has been developed for this purpose

The website also makes appropriate use of Web 2.0 tools such as social networking sites (e.g. Twitter). Relevant tools will be linked to and integrated into the BIOCON-$CO_2$ project website throughout the course of the project.

To ensure successful promotion of the project and to sustain the interest of the target audience and attract new users, the website's contents will be maintained, continuously updated and populated with new information throughout the project's lifetime. The website will remain active after the end of the project, for a period of five years, as a valuable public source of research information on the subject and for promoting the outputs of publicly funded research in the domain beyond the project's lifetime.

**Website Address:** www.biocon-co2.eu

## 8.2 Structure

The header on every webpage includes the BIOCON-$CO_2$ logo, a picture (where relevant), sitewide navigation, a search function, an Intranet link and a Twitter link. Conversely, the footer contains contact information for those who are interested in finding out more about the project as well as Privacy and Data policy statements. The website's menu provides information in the following areas: About, Results, Events, Media, News and Targeting Industry. Snapshots of the website sections are presented in Figures 4-10:

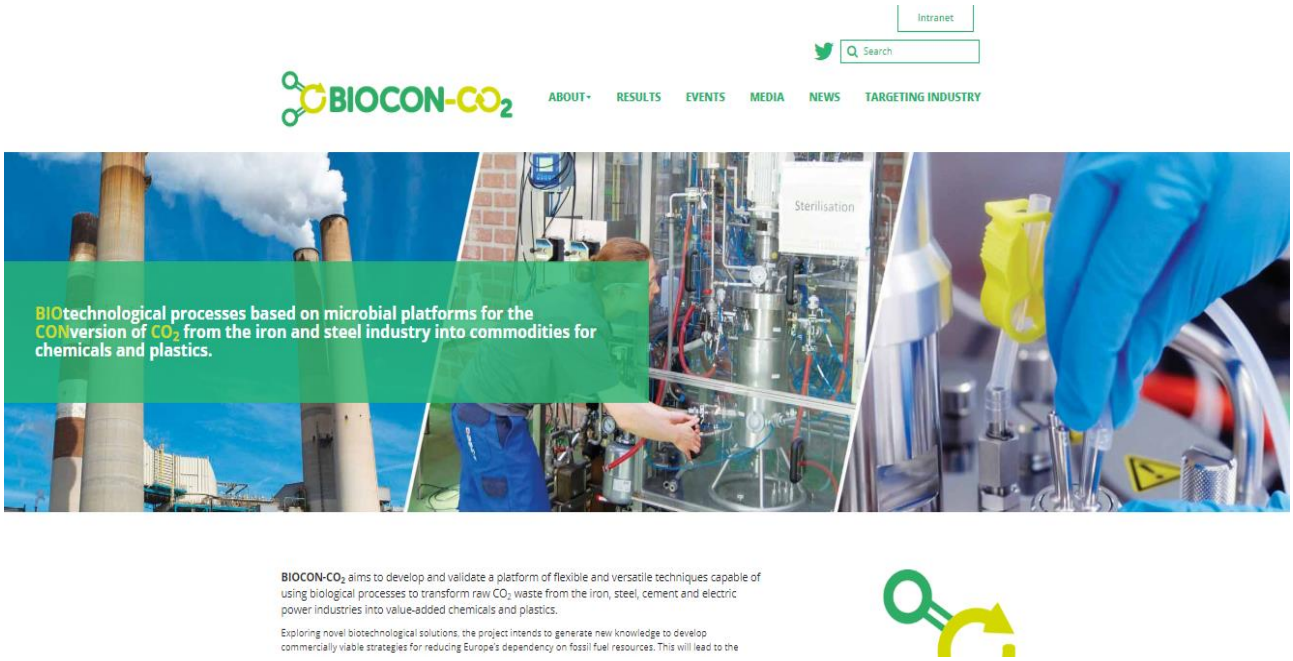


Figure 4: Homepage

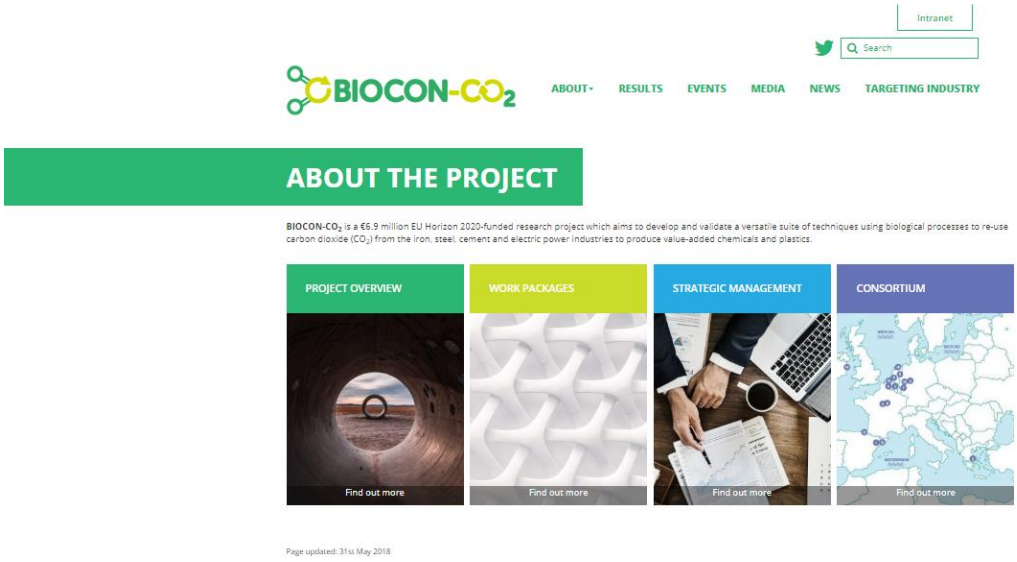


Figure 5: About BIOCON-$CO_2$

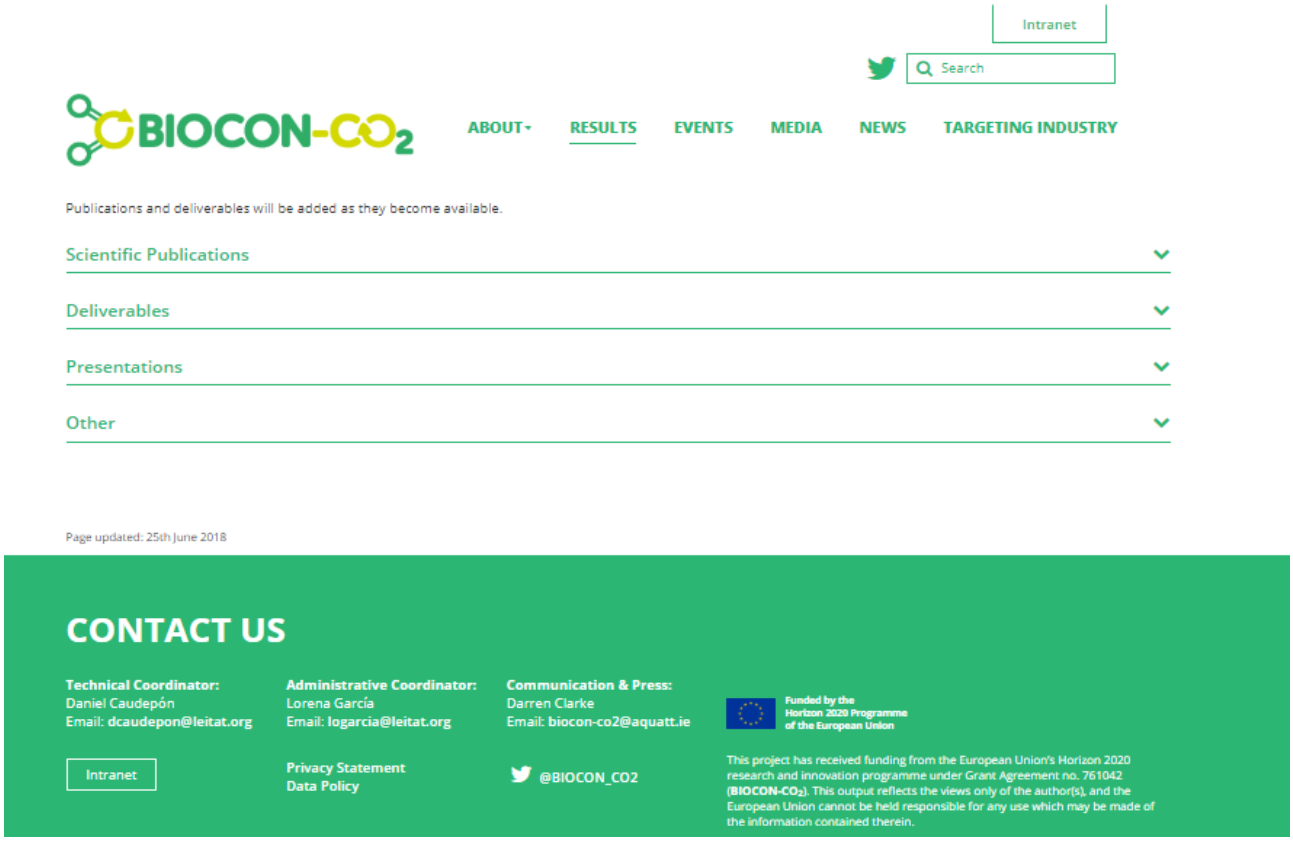


Figure 6: Results

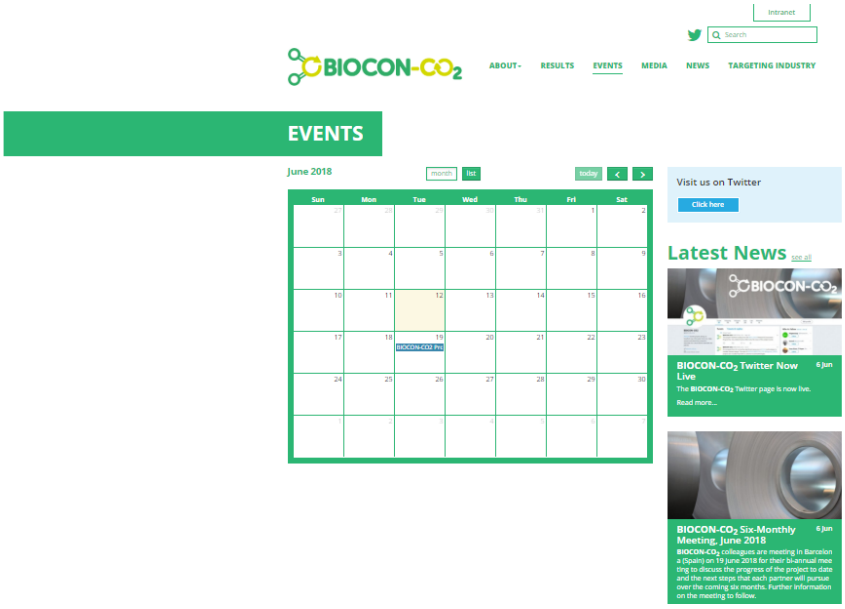


Figure 7: Events

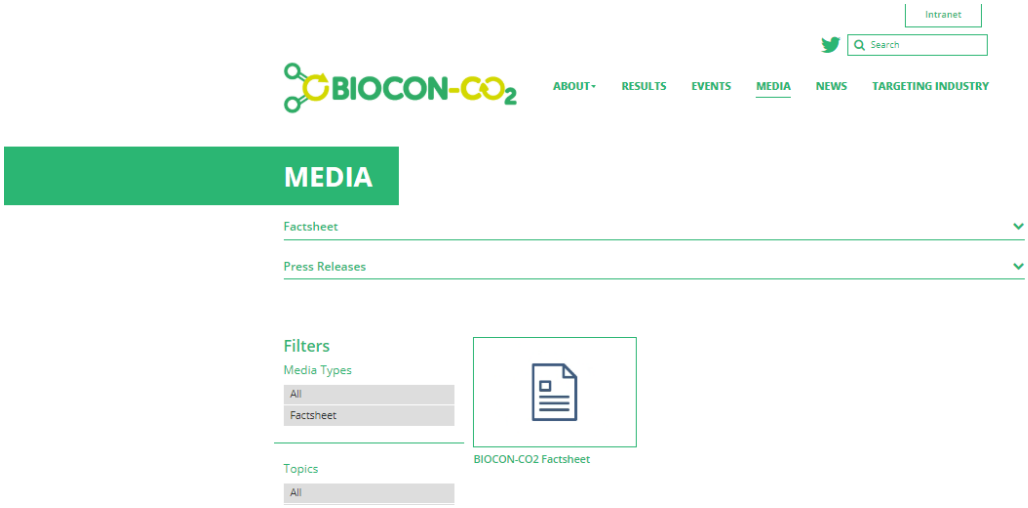


Figure 8: Media


Figure 9: News

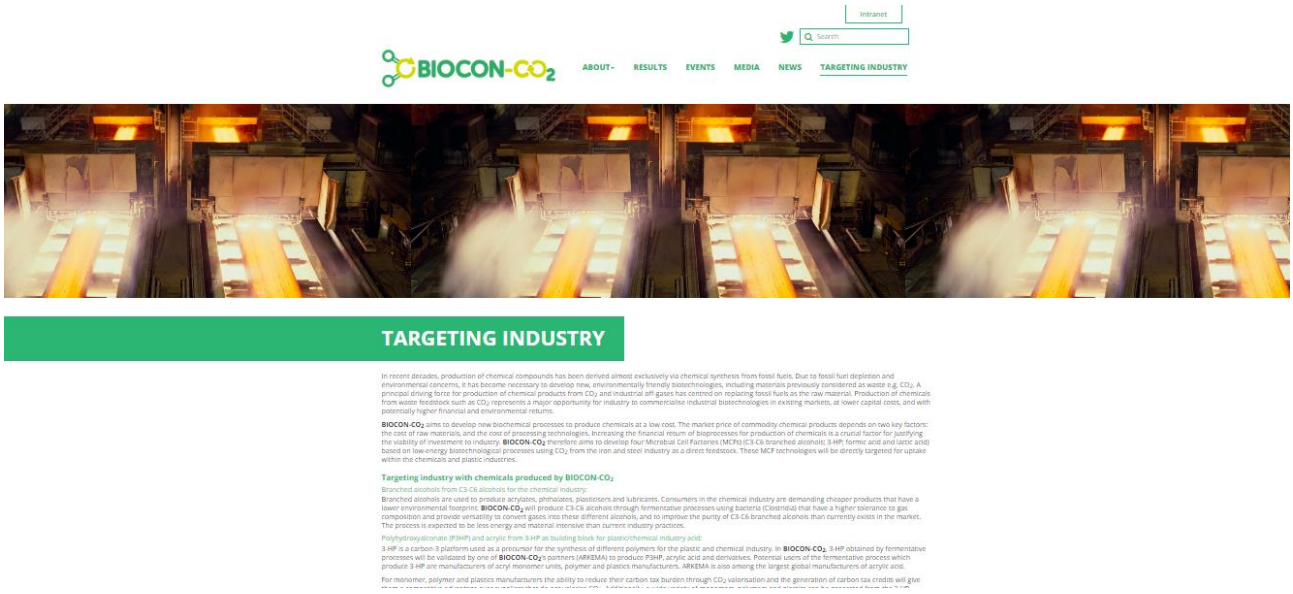


Figure 10: Targeting Industry

# 9 Press Releases and Promotional Articles

As outlined in the Dissemination and Exploitation Plan (DEP) in D9.2, news of the project will be disseminated regularly, making use of a range of publications and services. The project will communicate with the media and the press about major milestones of the project (e.g. launch, specific results, events).

Press releases will be issued to appropriate media outlets (trade press, journals, web portals) to ensure that industry, civil society organisations, policy-making authorities, and the wider community are aware of the project, its objectives and, later in the project, its outcomes. The information contained within such promotional

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articles will include details of the project, information on highlights and results, and upcoming events and conferences. The strategy is intended to ensure that there is publicity and media coverage at local, regional and European levels. The following channels are expected to be utilised when issuing press releases or promotional / news articles of relevance to stakeholders:

- BIOCON-$CO_2$ website
- Partner organisations' websites
- Alpha Galileo
- CORDIS
- International / national media
- Social media channels (Twitter)
- Relevant EC projects and initiatives
- AquaTT Training News e-newsletter

Other partners are encouraged to publish articles and press releases at regional, national and international level, making use of their own communication networks and channels.

# 10 Social Media Channels

## 10.1 Twitter

Social networking is part of the BIOCON-$CO_2$ communication strategy. A Twitter account has been set up for the project (@BIOCON_CO2) in March 2018. This account is used to tweet BIOCON-$CO_2$ relevant information (Figure 11), and is managed by AquaTT.

For Twitter, different hashtags (#) will be created for various activities, such as research outputs "#BIOCON_CO2OUTPUTS" which will be communicated to the partnership. For all Twitter related activity, some reference to the BIOCON-$CO_2$ project should always be included, for example, a link to the website (www.biocon-co2.eu) or a tag of the BIOCON-$CO_2$ Twitter account (@BIOCON_CO2).

Partners are asked to contribute to social media channels where possible to ensure the timely communication of interesting activities and results, and engage partners in dissemination and outreach activities involving their research.


Figure 11: BIOCON-$CO_2$ Twitter Account

## 10.2 Other social media channels

For social media purposes, Twitter is initially being used as the primary outlet for communicating the BIOCON-$CO_2$ project. In addition, ARTTIC will set up a dedicated BIOCON-$CO_2$ online group on its Community Management platform offering interested stakeholders the opportunity to register and get open access to interesting project-related publications and other relevant contents, comment and register for public project events, such as workshops and the planned summer school (for more details see *D9.2 Dissemination and communication plan*). Additional social media platforms such as LinkedIn and Facebook will be considered if deemed appropriate.

# 11 Partners Involved in the Work

This dissemination portfolio is intended to help partners communicate the project and its results in a consistent and efficient manner. All materials described herein have been developed by AquaTT. The text and content have been developed in collaboration with the BIOCON-$CO_2$ lead beneficiary (LEITAT) and all end products were agreed upon by all project partners.

The PowerPoint Presentation Pack was developed and will be updated by AquaTT throughout the project's lifetime to reflect new findings; it is, therefore, a live resource.

Several other dissemination materials have been developed by AquaTT, e.g. poster template, and it will be updated as needed.

The website was developed and is managed by AquaTT, who will update it on a regular basis. Partners who wish to upload materials, news or events to the website (calendar) should contact Darren Clarke at AquaTT (biocon-co2@aquatt.ie). Questions and queries regarding the website can also be sent to the same email address (biocon-co2@aquatt.ie).

The BIOCON-$CO_2$ collaborative platform, an Intranet website restricted to project partners only, is managed by LEITAT. A link to the collaborative platform is available on the BIOCON-$CO_2$ general website. Any questions and queries regarding the Intranet site should be directed to Max Viallon (mviallon@leitat.org).

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## Annex 1: Branding Guidelines

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BIOCON-$CO_2$
Brand Guidelines

## CONTENTS

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3 BIOCON-$CO_2$ Brand Guidelines

# INTRODUCTION

## Brand Guidelines

The brand guidelines set out in this manual for **BIOCON-$CO_2$** offer the means by which all partners in **BIOCON-$CO_2$** can achieve the prescribed standards of presentation.

It is recommended that partners follow the standards given in this manual to ensure a high standard of project presentation.

For any queries regarding the implementation of the **BIOCON-$CO_2$** brand guidelines, please contact **Darren Clarke**, AquaTT Project Officer (**BIOCON-CO2@aquatt.ie**).

**www.biocon-co2.eu**

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5 BIOCON-$CO_2$
Brand Guidelines

## PRIMARY LOGO

The **BIOCON-$CO_2$** logo is constructed using a combination of rounded bold lettering, harmonious colour choices and illustration.

This section gives you guidelines on how to use the logo in any format, including the recommended type face to use, the colour palette and best use of the logo on different backgrounds.


Primary Logo – Universal Use

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6 BIOCON-$CO_2$ Brand Guidelines

## ONE COLOUR LOGO

The one colour version logos are intended for applications that are restricted in colour, such as fax, memo etc. or any time it is not possible to use colour printing techniques.


Black Logo


White Logo

7 BIOCON-$CO_2$ Brand Guidelines

# CORRECT USE OF LOGO

## Colour Background Variations

The preferred background for the **BIOCON-$CO_2$** logo is white, but there will be some instances where the logo needs to be used over a colour other than white. In this case, you may have to use either the white or black version of the logo.

Whether the logo is being used in full colour, black or white, please ensure that the logo is always legible and there is sufficient contrast between all the elements.

**Correct**
The full colour logo is only fully visible on a light background.

**Incorrect**
The full colour logo is not fully visible on a dark background.

**Correct**
The white logo is only fully visible on a dark background.

**Incorrect**
The black logo is not fully visible on a dark background.

**Correct**
The black logo is only fully visible on a light background.

**Incorrect**
The white logo is not fully visible here on a light background.

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## CORRECT USE OF LOGO (CTD.)

**Photographic Background Variations**
The preferred background for the **BIOCON-CO2** logo is white, but in some cases it is necessary to use the logo over images. In all cases, it is important to ensure that all elements of the logo are clearly visible.


**Correct**
The full colour logo is fully visible on a light image.


**Incorrect**
The full colour logo is not fully visible on a dark image.


**Correct**
The white logo is fully visible on a dark image.


**Incorrect**
The black logo is not fully visible on a dark image.


**Correct**
The black logo is fully visible on a light image.


**Incorrect**
The white logo is not fully visible on a light image.

9 BIOCON-$CO_2$ Brand Guidelines

## CORRECT USE OF LOGO (CTD.)

### Clearance Space

Clearance space is the area surrounding the logo that should be kept free of other graphical elements. You should allow sufficient space around the logo.

The minimum required space to use around the logo is the height of the "o" in the icon of the logo.


Clearance space

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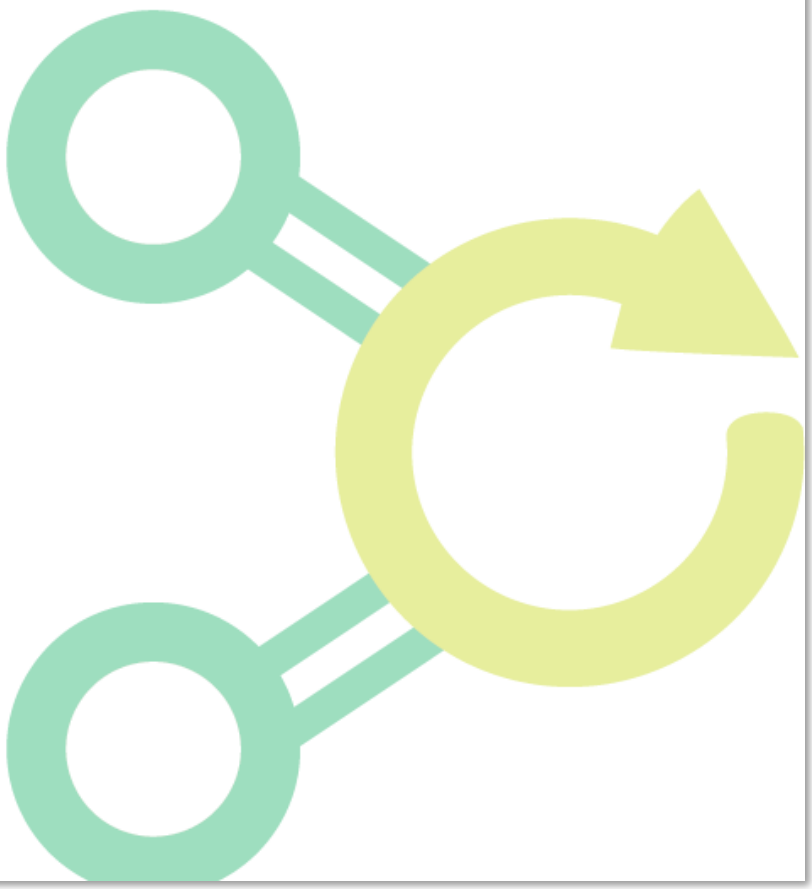
## CORRECT USE OF LOGO (CTD.)

### Minimum size

The **BIOCON-CO2** logo can be increased to any size you require however the minimum size the logo should be displayed at is 62mm in width. Where possible, the logo should not be used below this size as legibility will be compromised.

BIOCON-CO2

Minimum size
= 62mm width



11 BIOCON-$CO_2$ Brand Guidelines

## INCORRECT USE OF LOGO

### What not to do

Never recreate elements of the artwork. Do not modify elements or alter colours. Please adhere to the guidelines below.

✖ Do not distort logo

✖ Do not modify colours

✖ Do not rearrange elements

✖ Do not add elements

✖ Do not use elements alone.

✖ Do not modify proportion

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## TYPEFACES

### Primary – Helvetica Neue (Graphic Design Use Only)

**Helvetica Neue** is the primary **BIOCON-CO2** typeface. This simple, modern font helps communicate ideas clearly and confidently. It is highly legible in both print and digital communications. It is available in a range of weights: from light to bold.

**Helvetica Neue** is primarily used for print design. For internal documents (such as Microsoft Office applications), use the alternate typefaces below.

Helvetica Neue
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
0123456789 @*?!&%+=”

Helvetica Neue
**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
**abcdefghijklmnopqrstuvwxyz**
**0123456789 @*?!&%+=”**

### Secondary – Calibri (Internal Use)

**Calibri** is the secondary **BIOCON-CO2** typeface. This font is intended for internal use. Calibri reflects the clean look of the primary typeface and should be used whenever possible within Microsoft Office applications i.e. Word, Powerpoint, Excel etc.
Calibri Regular can be used for all standard communication materials e.g. letters/faxes/ reports/emails etc.

Calibri is packaged with all Microsoft and Macintosh computers.

Calibri Regular
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
0123456789 @*?!&%+=”

**Calibri Bold**
**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
**abcdefghijklmnopqrstuvwxyz**
**0123456789 @*?!&%+=”**

### Web font – Open Sans

The typeface used on the **BIOCON-CO2** website is **Open Sans**. This is a free Google font which is set within the website template.

Open Sans
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
0123456789 @*?!&%+=”

**Open Sans Bold**
**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
**abcdefghijklmnopqrstuvwxyz**
**0123456789 @*?!&%+=”**

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## COLOUR PALETTE

**Print**

The CMYK values are required when preparing materials for professional print jobs.

In-office printing will provide varied results depending on equipment and as a result, 100% colour accuracy cannot be expected.

**Web**

The RGB values are required when preparing materials for the web.

It is important to note that the calibration of monitors, desktop printers and projection equipment can vary. Please adhere to the RGB values provided to ensure consistency across all materials for the web.

| BIOCON-CO2 Light Green | | BIOCON-CO2 Medium Green | |
|---|---|---|---|
| C 26 | | C 75 | |
| M 0 | R 203 | M 0 | R 43 |
| Y 100 | G 219 | Y 76 | G 182 |
| K 0 | B 42 | K 0 | B 115 |

| BIOCON-CO2 Blue | | BIOCON-CO2 Purple | |
|---|---|---|---|
| C 70 | | C 66 | |
| M 15 | R 39 | M 56 | R 102 |
| Y 0 | G 170 | Y 0 | G 115 |
| K 0 | B 225 | K 0 | B 183 |

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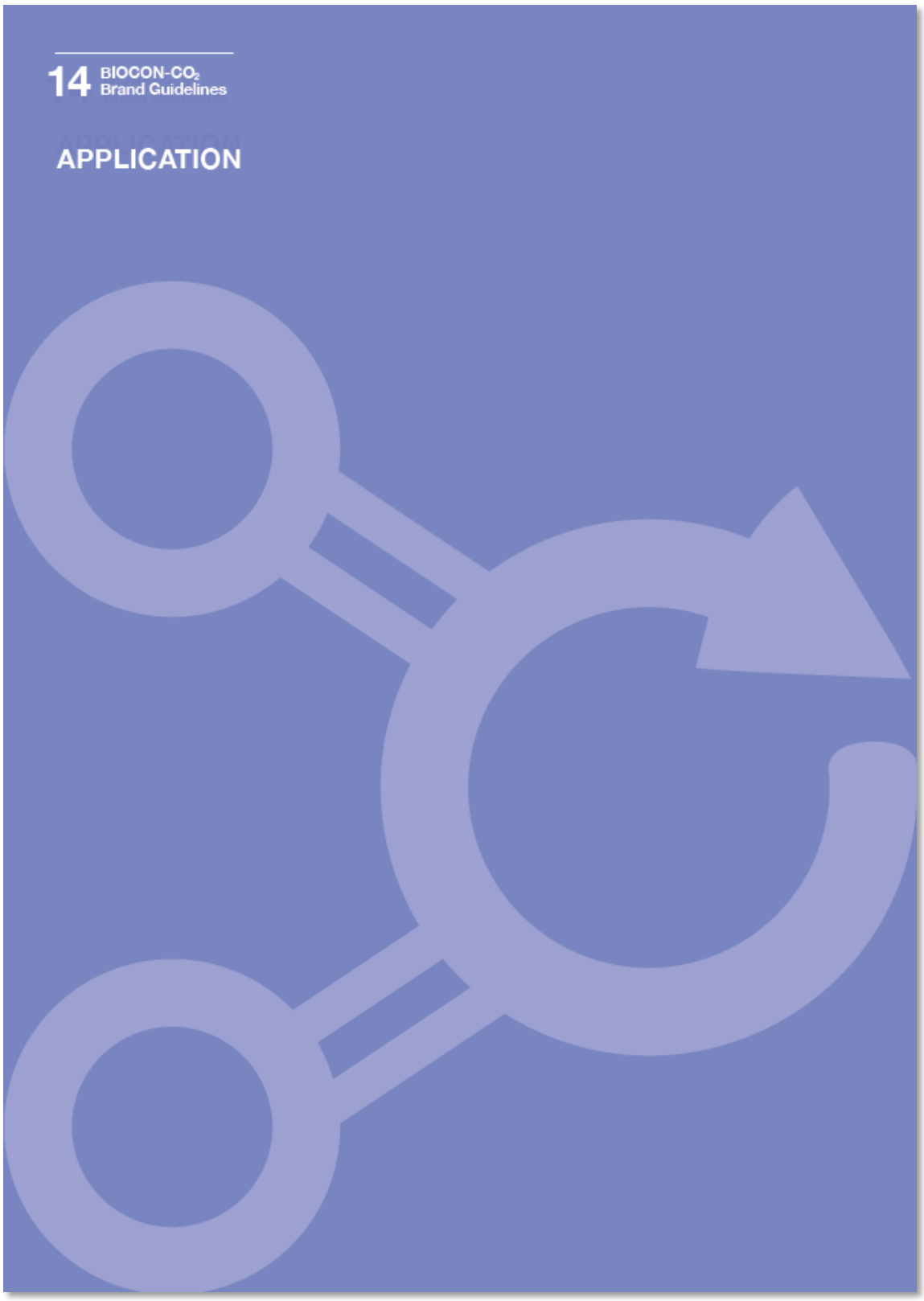


15 BIOCON-$CO_2$ Brand Guidelines

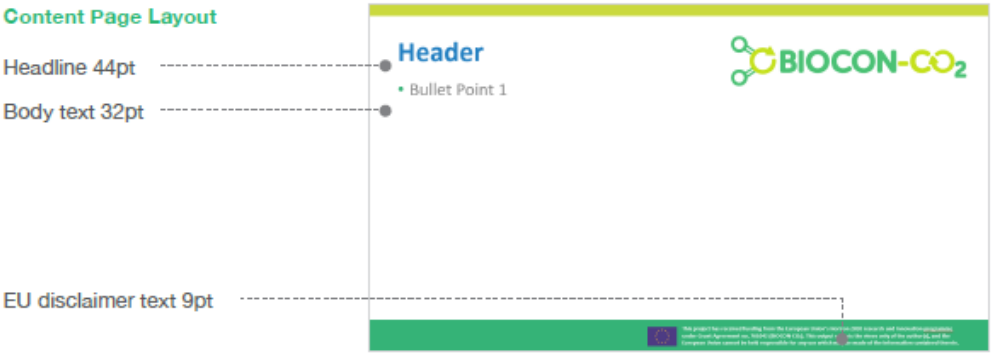
## PRESENTATION

### Cover, context & closing slides

Please follow the PowerPoint template, which is available in wide (16:9) and standard (4:3) formats.
The recommended font is Calibri.
Maximum font size is 72pt.

### Title Page Layout


### Content Page Layout




### Closing Slide

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# POSTER

### Powerpoint Poster Template

Please follow the PowerPoint template.
The recommended font is Calibri.
Maximum font size is 120pt.

### Poster Style – Sample 1

Heading 120pt
Subheading 80pt

Body text 54pt


### Poster Style – Sample 2

Heading 120pt
Subheading 80pt

Body text 54pt

17 BIOCON-$CO_2$ Brand Guidelines

## ACKNOWLEDGEMENT OF EU FUNDING

All **BIOCON-$CO_2$** publications or any other dissemination relating to foreground should include the EU emblem and the following statement to indicate that said foreground was generated with the assistance of financial support from the EU:

*"This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement no. 761042 (BIOCON-$CO_2$). This output reflects the views only of the author(s), and the European Union cannot be held responsible for any use which may be made of the information contained therein."*

**EU emblem**

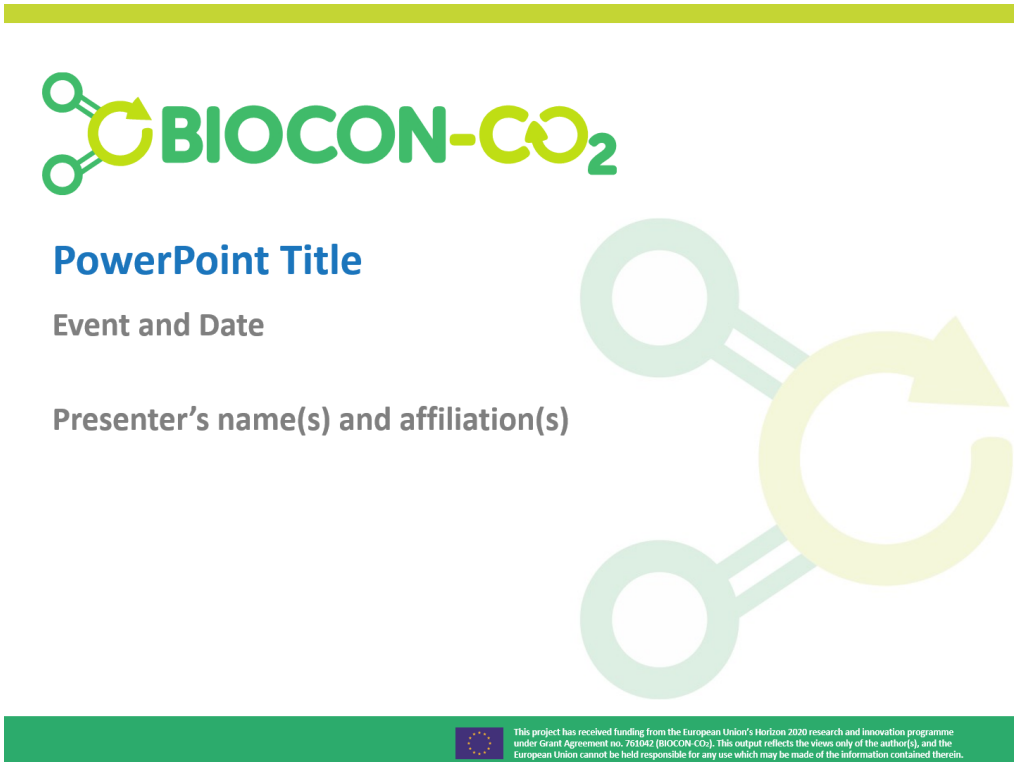
High-resolution versions can be found here: http://europa.eu/about-eu/basicinformation/symbols/flag/

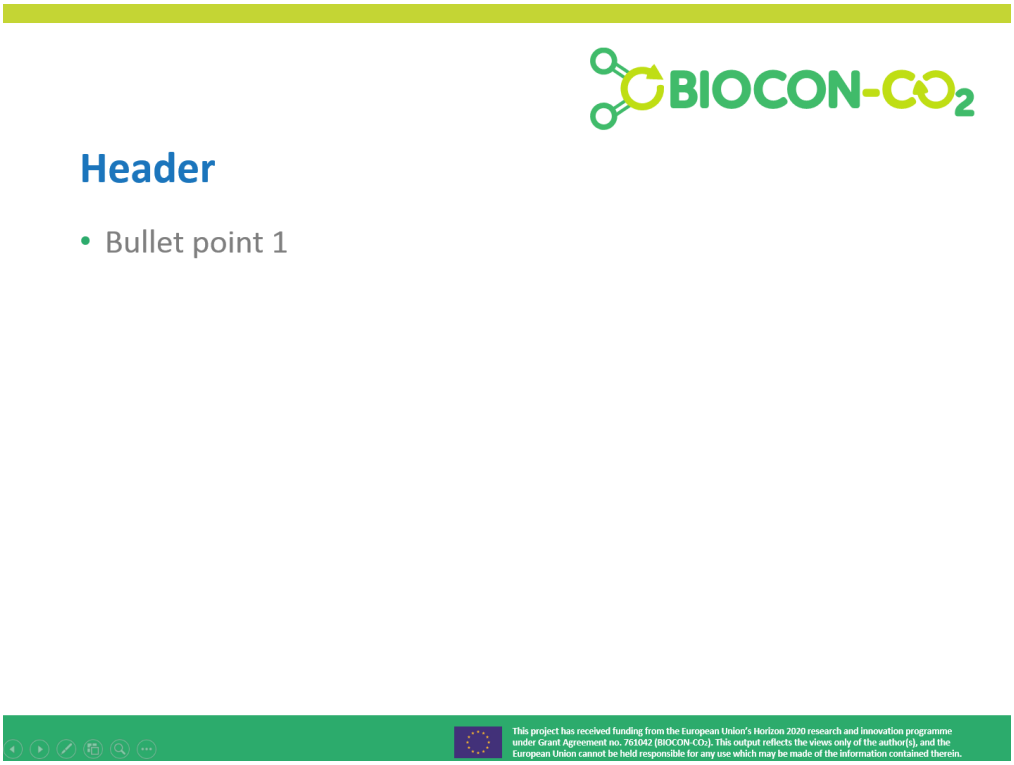
www.biocon-co2.eu

Designed and Developed by AquaTT

www.aquatt.ie

## Annex 2: PowerPoint Template



# Thank You

**Contact Details:**

Presenter's name(s) and affiliation(s)

www.biocon-co2.eu BIOCON-CO2@aquatt.ie @BIOCON_CO2

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## Annex 3: Project Introduction PowerPoint Presentation

BIOCON-CO2

### Project Overview

Event and Date

Presenter's name(s) and affiliation(s)





### At a Glance

BIOCON-CO2

Transforming raw $CO_2$ waste from the iron, steel, cement and electric power industries into value-added chemicals and plastics

**Programme:** EU Horizon 2020 – (BIOTEC-05-2017) Microbial platforms for $CO_2$ re-use processes in the low-carbon economy

**Duration:** January 2018 – December 2021 (48 months)

**Consortium:** 18 partners in 9 countries

**Budget:** €6.9 million

**Coordinator:** Acondicionamiento Tarrasense Asociación (LEITAT), Spain

**Focus:** Reduce greenhouse gas emissions and avoid overexploitation of natural resources

**Impact:** Convert $CO_2$ from fossil fuel burning into valuable commodities and support the EU as a global leader in $CO_2$ re-use technologies

**Core activities:** Develop and validate, in an industrially relevant environment, a flexible strategy to biologically transform $CO_2$ into value-added chemicals and plastics

## Project Objectives

- **Develop and validate** a platform of flexible and versatile techniques capable of using biological processes to transform raw $CO_2$ waste from the iron, steel, cement and electric power industries into value-added chemicals and plastics
- **Generate new knowledge** to develop commercially viable strategies for reducing Europe's dependency on fossil fuel resources
- **Increased sustainability** of the chemical industry, providing support for European leadership in $CO_2$ re-use technologies


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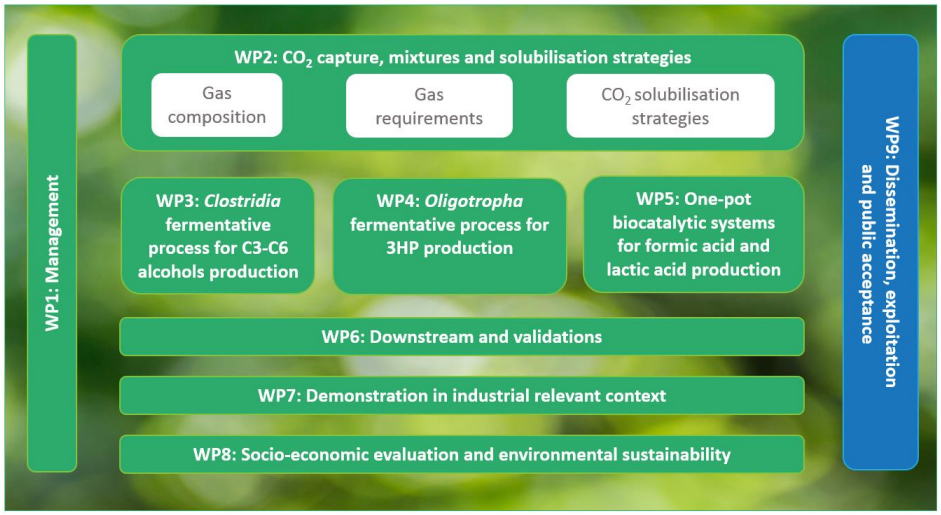
## Project Structure

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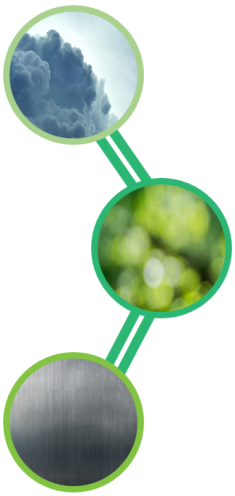
## Expected Results

- Assessment and validation of **three low-energy microbial processing systems** capable of converting $CO_2$ emissions from the iron and steel industry into valuable industrial products
- Production of **four chemical building blocks** produced using $CO_2$ re-use technologies that have application in the food/feed, chemical (acrylates, polymers, surfactants) and plastic industries
- **Pilot installation** in an industrial setting upon project completion which demonstrates and validates the effectiveness of four chemical building blocks produced using $CO_2$ re-use technologies
- **Improved public perception** of $CO_2$ re-use technologies through transparent and responsible communication, knowledge transfer and exploitation of project outcomes



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## Target Audiences

| | |
|---|---|
| **Industry $CO_2$ Suppliers** | Positive environmental gains |
| **Regulators /Policy Makers** | Policy framework to implement $CO_2$ transformation technologies efficiently |
| **Scientific Community** | Continuous research and uptake of BIOCON-$CO_2$ results |
| **Biotech Industry** | Cost-efficiency & environmental impacts of using BIOCON-$CO_2$ technologies |
| **Public and Private Investors** | Continuous development & future industrial exploitation of BIOCON-$CO_2$ technologies |
| **Related H2020 Initiatives** | Collaboration with other ongoing projects in the same field |
| **Chemical/ Food & Feed/ Plastic Industries** | Main end-users of target products, key for market uptake |
| **Local Authorities /Decision Makers** | Implementation of a $CO_2$ capture plant and pilot/industrial installation for BIOCON-$CO_2$ implementation |
| **General Public** | Impacts of BIOCON-$CO_2$ technologies on the economy & environment |

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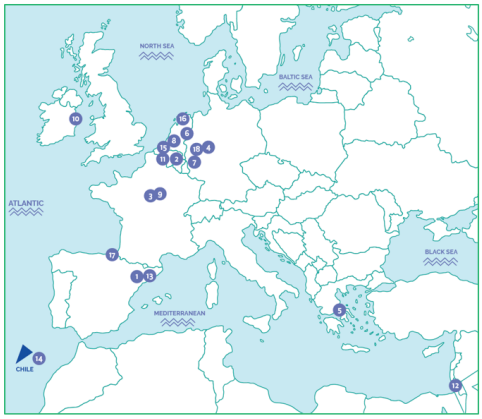
## Consortium

**BIOCON-$CO_2$** has a consortium of recognised industry experts and leading academic organisations, comprised of 18 partners based in 9 countries (five SMEs, five large industries, four research and technology organisations, and four universities)

1. Acondicionamiento Tarrasense Asociación (LEITAT), Spain
2. ArcelorMittal Belgium NV (ARCELORMITTAL), Belgium
3. Arkema France (ARKEMA), France
4. Fraunhofer-IME (FRAUNHOFER), Germany
5. National Technical University of Athens (NTUA), Greece
6. Pervatech B.V. (PTECH), Netherlands
7. Rheinisch-Westfälische Technische Hochschule Aachen (AVT.BioVT), Germany
8. Stichting Wageningen Research (WFBR), Netherlands
9. ARTTIC (ARTTIC), France
10. AquaTT UETP CLG (AQUATT), Ireland
11. Nutrition Sciences N.V. (NS), Belgium
12. Nesher Israel Cement Enterprises Ltd (NESHER), Israel
13. Universitat Autònoma de Barcelona (UAB), Spain
14. AES Gener S.A. (AES GENER S.A.), Chile
15. Bio Base Europe Pilot Plant VZW (BBEPP), Belgium
16. Rijksuniversiteit Groningen (RUG), Netherlands
17. Fundación Tecnalia Research & Innovation (TECNALIA), Spain
18. Covestro Deutschland AG (COVESTRO), Germany

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# Thank You

### Contact Details:

Presenter's name(s) and affiliation(s)

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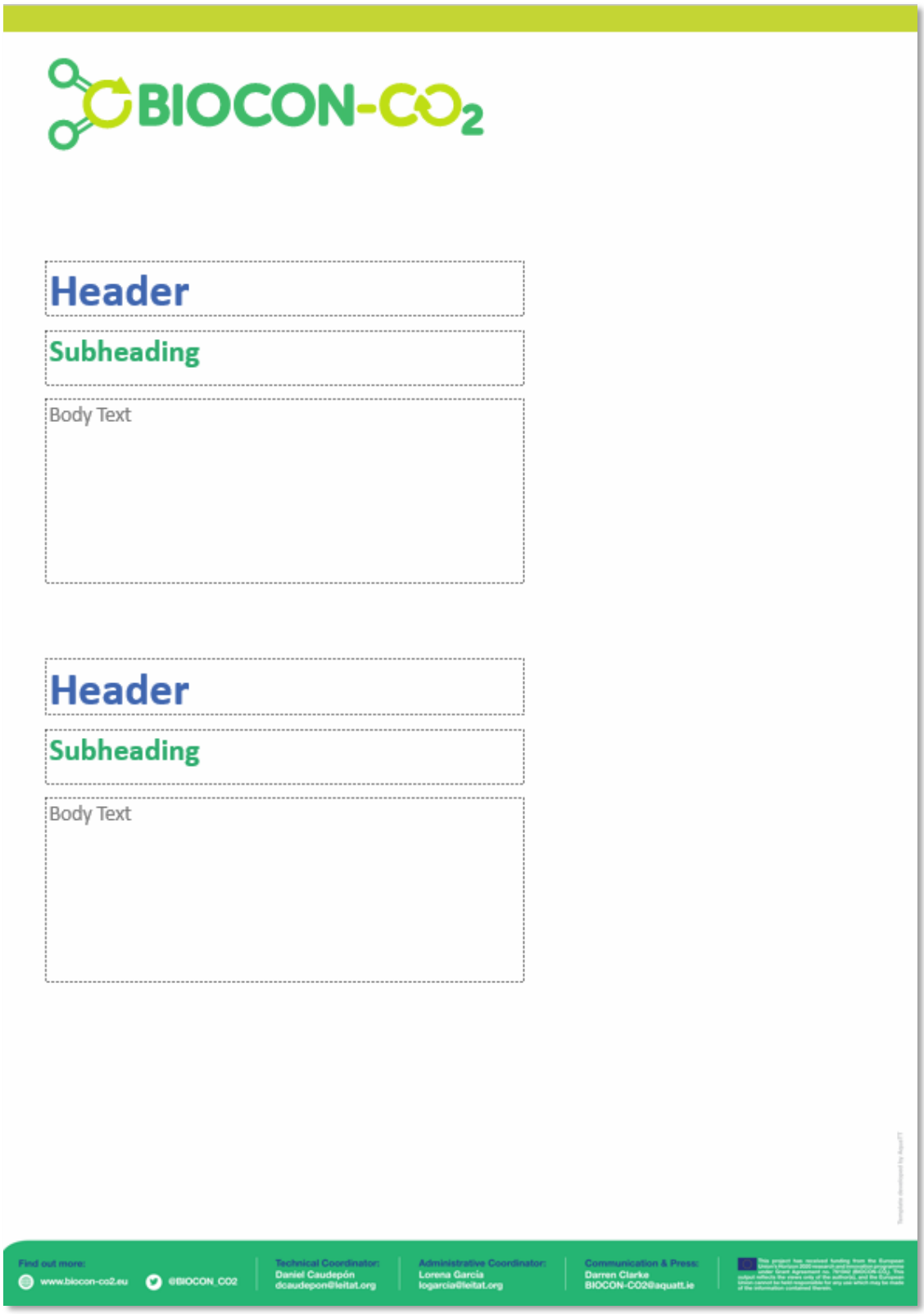
## Images

- The below image can be inserted within a presentation if necessary to portray end-to-end industrial processes associated with **BIOCON-$CO_2$** project

## Annex 4: Poster Template (watermark)

## Poster template (no watermark)



*This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 761042*

## Annex 5: Factsheet

BIOCON-CO2

BIOtechnological processes based on microbial platforms for the CONversion of $CO_2$ from the ironsteel industry into commodities for chemicals and plastics

www.biocon-co2.eu


### THE CHALLENGE

Carbon dioxide ($CO_2$) is a naturally occurring greenhouse gas present in the Earth's atmosphere. However, human activities have led to an exponential increase in levels of the greenhouse gas through actions such as the burning of fossil fuels for industrial production. $CO_2$ acts to trap heat in the atmosphere, leading to global warming. Currently, $CO_2$ re-use via biological processes is one of the most promising and valuable technological ways to reduce otherwise harmful $CO_2$ emissions, potentially making $CO_2$ a valuable commodity rather than a pollutant. However, research behind full development of $CO_2$ re-use technologies is in its infancy and several technical issues remain unresolved, including industrial-scale implementation.

### PROJECT OBJECTIVE

The overarching objective of **BIOCON-$CO_2$** is to reduce greenhouse gas emissions and avoid overexploitation of natural resources. **BIOCON-$CO_2$** aims to develop and validate a platform of flexible and versatile techniques capable of using biological processes to transform raw $CO_2$ waste from the iron, steel, cement and electric power industries into value-added chemicals and plastics. Exploring novel biotechnological solutions, the project intends to generate new knowledge to develop commercially viable strategies for reducing Europe's dependency on fossil fuel resources. This will lead to the increased sustainability of the chemical industry and provide support for European leadership in $CO_2$ re-use technologies.

### AT A GLANCE

**PROGRAMME: HORIZON 2020 (BIOTEC-05-2017)**

**INSTRUMENT: Research and Innovation Action (RIA)**

**DURATION: January 2018 – December 2021 (48 months)**

**CONSORTIUM: 18 partners in 9 countries**

**COORDINATOR: Acondicionamiento Tarrasense Asociación (LEITAT), Spain**

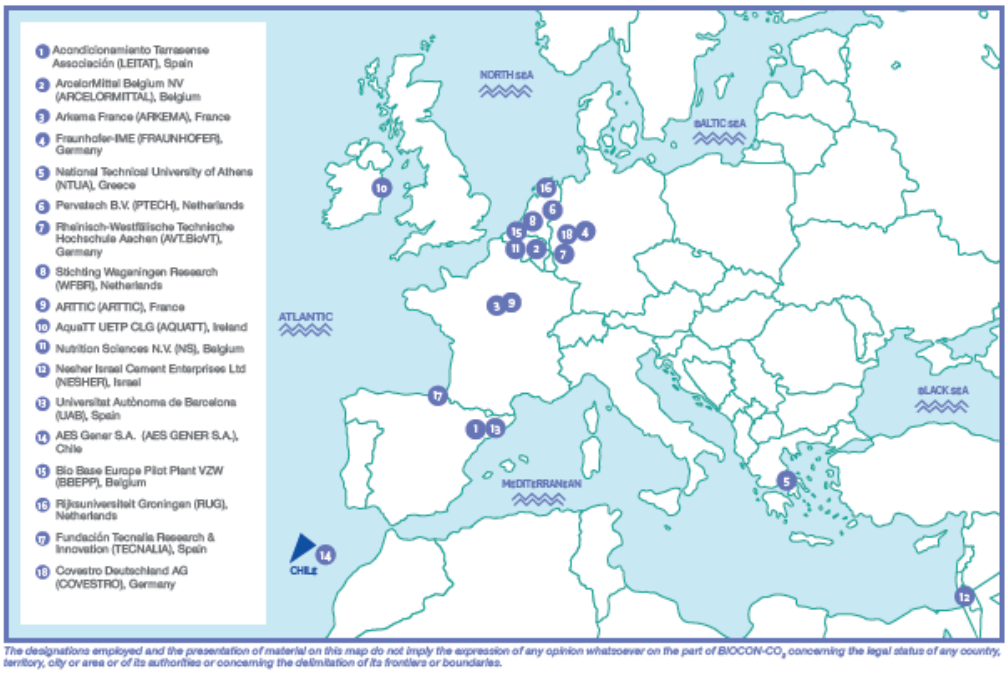
BIOCON-CO2

## EXPECTED RESULTS

- Assessment and validation of **three low-energy microbial processing systems** capable of converting $CO_2$ emissions from iron and steel manufacturers into valuable industrial products.
- **Production of four chemical building blocks** produced using $CO_2$ re-use technologies that have application in the food/feed, chemical (acrylates, polymers, surfactants) and plastic industries.
- Development of strategies for **improving industrial productivity** by using novel and sustainable forms of energy in industrial production processes.
- **Pilot installation in an industrial setting** upon project completion which demonstrates and validates the effectiveness of four chemical building blocks produced using $CO_2$ re-use technologies.
- Creation of a detailed mid-and-long term exploitation plan to commercialise the project outputs and **support the EU as a global leader in $CO_2$ re-use technologies.**
- **Improved public perception of $CO_2$ re-use technologies** through transparent and responsible communication, dissemination, knowledge transfer and exploitation of outcomes of the project.

## CONSORTIUM

**BIOCON-$CO_2$** has a consortium of recognised industry experts and leading academic organisations, comprised of 18 partners (5 SMEs, 5 large industries, 4 research and technology organisations and 4 universities) based in 9 countries.




*The designations employed and the presentation of material on this map do not imply the expression of any opinion whatsoever on the part of BIOCON-$CO_2$ concerning the legal status of any country, territory, city or area or of its authorities or concerning the delimitation of its frontiers or boundaries.*

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AQUATT Designed and developed by AquaTT

## Annex 6: Letterhead (watermark)

BIOCON-$CO_2$

BIOtechnological processes based on microbial platforms for the CONversion of $CO_2$ from the ironsteel industry into commodities for chemicals and plastics

Ms Smith

Address Line 1

Address Line 2

**Subject: Upcoming Meeting August 12th 2015**

Dear Ms. Smith,

The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog.

The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog.

The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog.

Yours sincerely,

Prof. John Doe

BIOCON $CO_2$ Job Title

Prof. John Doe
BIOCON-$CO_2$ Job Title
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Address Line 2

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## Letterhead (no watermark)

BIOtechnological processes based on microbial platforms for the CONversion of $CO_2$ from the ironsteel industry into commodities for chemicals and plastics

Ms Smith

Address Line 1

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**Subject: Upcoming Meeting August 12th 2015**

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Yours sincerely,

Prof. John Doe

BIOCON $CO_2$ Job Title

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Address Line 2

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