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NEWSLETTER CIRCLE 05 - NOVEMBER 2022



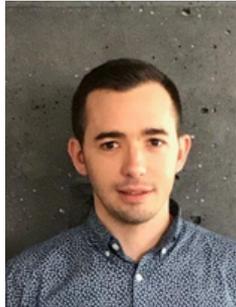
Picture credits: Communauté d'Agglomération des 2 Baies en Montreuillois

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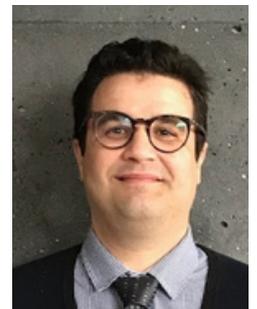
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INTRODUCTION

Welcome to the fifth newsletter of the CIRCLE (Concrete solution dRaining for the Climate and Environment) project, published every six months. In this issue, we will discuss the Ostreapolis project as one of our pilot sites in France, the UK pilot site, a brief review of the Steering Committee n°5 and finally the announcement of the CIRCLE final event.

Finally, we will end with some general information to keep in mind.

We hope you enjoy reading!

In this edition of the CIRCLE newsletter...

- **SOME INFORMATION ABOUT THE OSTRÉAPOLIS PROJECT - FRENCH PILOT SITE** 04
- **THE PILOT SITE IN THE UNITED KINGDOM** 05
- **STEERING COMMITTEE MEETING N° 5** 06
- **THE CLOSING EVENT** 07
- **TO KEEP IN MIND** 08



The CIRCLE project is financed by the European Regional Development Fund (ERDF) through the INTERREG F(C)E program of up to 1.9 million of euros during a 3-year-period.



THE OSTRÉAPOLIS PROJECT

Ostréapolis is a project developed by the partner Golfe du Morbihan Vannes Agglomération (GMVA). This centre dedicated to oyster farming will open in spring 2023.

This project has different objectives:

- To promote and support oyster farming as a key economic sector in the region;
- To create a place for dialogue between local authorities, professionals and institutions on the issues of this sector and the challenges of the territory;
- To set up a place for resources, experimentation and innovation;
- To complete and reinforce the 4-season tourism activity in the South Brittany - Golfe du Morbihan destination.

The infrastructure will be composed of 3 poles:

- A "discovery" centre
- A "gastronomy" centre
- A research centre

For further information: [Website of GMVA](#)



Picture credits: Atelier Philippe Madec

In the framework of the CIRCLE project, Ostréapolis is one of the pilot sites. In fact, some of the exterior fittings will be made of shell draining concrete, particularly the forecourt. These will take place in two phases: A test area of 60m² in autumn 2022 The forecourt of 900m² at the beginning of the year 2023 Contrary to the other CIRCLE pilot sites, the draining shell concrete of Ostréapolis will mainly use oyster shells, in abundance on their coasts and for which the value chain has yet to be established.



Picture credits: BUILDERS Ecole d'ingénieurs



Picture credits: BUILDERS Ecole d'ingénieurs

THE PILOT SITE IN THE UK

In the March 2022 newsletter, we announced a new UK site led by partner University of Central Lancashire (UCLan) in Preston.

Since March, after some delays in the timetable, progress has been made!

The 7 test blocks (tanks) are positioned on the pilot site. Two of them have been instrumented in order to study the drainage qualities of CIRCLE concrete in real-life conditions.

As for the formulations, three types of shells were used: whelks, scallops and cockles.

An event to open the pilot site in the UK will take place on December 19th, 2022.



*Test blocks set up on the Preston pilot site (UCLan) and instrumentation began.
Picture credits: BUILDERS Ecole d'ingénieurs*



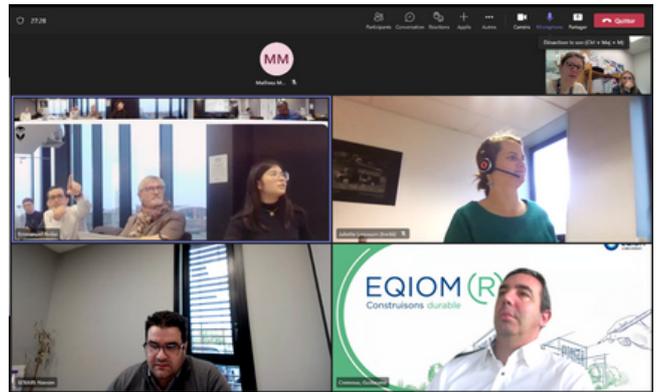
*Some samples of the formulations used for the instrumentation of the English pilot site tanks.
Picture credits: BUILDERS Ecole d'ingénieurs*

STEERING COMMITTEE MEETING N°5

As the end of the CIRCLE project approached, after a period of turmoil due to the COVID-19 health crisis, Steering Committee No. 5 took place in Preston (UK) in face-to-face.

This was the first time that the partners had the opportunity to meet in England. Those who were unable to attend were present by videoconference.

This SCM n°5 was very decisive as it is the penultimate one of the CIRCLE project. It was important to set milestones, especially as the end of the technical activities scheduled for the end of March 2023 is getting closer.



*Pictures taken during the CIRCLE project Steering Committee n°5.
Picture credits: BUILDERS Ecole d'ingénieurs*

This steering committee n°5 was also very beneficial for the partners present on site since UCLan had planned a visit to their pilot site and their facilities including their laboratory.

Despite the bad weather, everyone was delighted to be able to discover the progress of the English pilot site. We were able to see how the blocks were set up and instrumented. The secure site is on one of the car parks near the area where the various buildings of the University of Central Lancashire are located.



*Several partners were present to visit the English pilot site.
Picture credits: BUILDERS Ecole d'ingénieurs*

THE CLOSING EVENT

As the CIRCLE project is coming to an end, a closing event is being organised to present the results of the project and to allow the partners to answer any questions from the public.

This closing event is organised by the partner University of East Anglia (UEA). Here is a short presentation:



The UEA research team is led by Professor Konstantinos Chalvatzis, Professor of Sustainable Energy Economics, and Dr Tiago Botelho, Associate Professor of Business Strategy. They are joined by an excellent team of researchers, including Dr Dimitrios Dousios, Dr Xin Li, Dr Alexis Ioannidis, Dr Xuerui Ma, Dr Zaphiro Tsitsiou and Ms Nataša Cordeaux. UEA is responsible for Work Package 5 of the project on developing a sustainable business model to support the commercialisation of the new product.

Specifically, three research activities were implemented by UEA within Work Package 5:

- The development of a sustainable business model taking into account the circular economy concept and the innovative features of the new concrete product;
- Engagement with business advisors;
- A unique market offer for sustainable concrete.



On February 28th, 2023, UEA will host the final event of the CIRCLE project at Dunston Hall in Norwich, England. The conference will be an opportunity to present the research carried out throughout the project to an audience of different regional stakeholders. The press will also be invited. This event will above all provide a real opportunity for exchanges and meetings between participants.

If you are interested or would like more information, please send an email to:
jade.santier@builders-ingenieurs.fr

Following this event, the partners will join together for a closing dinner and will carry out the final CIRCLE steering committee meeting the following day.

TO KEEP IN MIND

Save the date...

- Start of work of the CIRCLE project on the Ostréapolis site in Autumn 2022 
- Event at the UK pilot site (UCLan) in Preston on December 19th, 2022
- Webinar of questions/answers in February 2023
- CIRCLE project closing event on February 28th, 2023 at partner UEA in Norwich
- Last steering committee on March 1st, 2023

Next and last Newsletter in March 2023!

New!

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