

Recycling carbon dioxide in the cement industry to produce added-value additives: a step towards a CO₂ circular economy

Deliverable D8.5

Organization of Training seminar 1: Summer School, 5-6 September 2019

WP 8 – Dissemination, communication, training & education

Version 1.0

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Revision History

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Planning of the Summer School

In line with the RECODE project plan, a Training Seminar will be organized by month 24 of the project. This document reports on the planning of this event, which will consist of a Summer School organized by the RECODE Consortium (IIT and RUG), in collaboration with other EU project Consortia. The event will be hosted in Amsterdam. The most likely location of this Summer School will be the Conference Centre of the Science Park Amsterdam (<https://www.amsterdamsciencepark.nl/location-facilities/facilities/conference-and-meeting-rooms/>), which has already been contacted and which has availability for the planned dates of the Summer School (September 5-6, 2019). The main hall of the Conference Centre can host up to 150 persons (see image below). The location is easily reachable by train from Amsterdam airport (Schiphol) and Amsterdam Central station.




RECODE, along with ENGICOIN, will be the leading projects in the organization of the event.

The event will include the participation of other EU-funded projects that focus on circular economy, CO₂ capture and storage or utilization, and on CO₂ Conversion paths.

The projects that have already been contacted and that accepted to participate in the Summer School are:

- ENGICOIN (G.A.760994) Engineered microbial factories for CO₂ exploitation in an integrated waste treatment Platform.
- STORE&GO (G.A. 691797) Innovative large-scale energy STORagE technologies AND Power-to-Gas concepts after Optimisation
- CELBICON (G.A. 679050) Cost-effective CO₂ conversion into chemicals via combination of Capture, ELeCtrochemical and BI-ocHEMICAL CONVersion technologies
- Carbon4PUR (G.A.768919): Turning industrial waste gases (mixed CO/CO₂ streams) into intermediates for polyurethane plastics for rigid foams/building insulation and coatings.

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These projects are connected to each other both through their common research targets and the overlapping and cross-links between the teams. Joining forces in this Summer School will strengthen the contacts, will allow reaching a broader audience and will amplify impact. An additional goal of this Summer School is to raise awareness and interest regarding Circular Economy and to disseminate our results.

The School will be articulated in two days. The draft agenda is currently (M18) under construction. In order to attract a greater audience, the school will be free of charge. IIT is already working at setting up a dedicated Website that will be used to communicate info regarding the school and for registration and poster submissions.

The preferred target is PhD students and PostDocs. Nevertheless, we strongly believe that the several projects involved will gather also a pool of stakeholders and professionals at different levels.

Apart from the dissemination, the aim will be to create interest into possible future workforce, get involved into discussion and collect feedback from other experts outside the participating consortia.

Parallel and embedded in the Summer school, a site visit to Dutch companies involved in the mentioned projects will be organized, with the aim to provide a better understanding of the processes and to further involve young scientists into the corporate mentality.

The draft agenda of the Summer School is reported here below:

Day 1

- 9.00-9.30: EU environmental policy
- 9:30-10:15- plenary lecture – speaker to be defined
- 10:15-11:00 – circular economy in CO₂ – speaker to be defined
- 11.00-11.30 – coffee break
- 11.30-13: Companies (e.g. Titan/Avantium/Novamont/Versalis)
- 13-14.20: lunch
- 14:20-14:40: Recode – general presentation
- 14:40-15.00: Engicoin – general presentation
- 15:00-15:20: Celbicon – general presentation
- 15.20-15.40: coffee break
- 15.40-16.00: Carbon4Pur – general presentation
- 16.00-16.20: Store&Go – general presentation
- 16.20-16.40: BIOCO₂NCO – general presentation
- 18.00-20 – “unconference” with PhD students and post-docs

Day 2

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- 9.00-13.00 Frontal lessons: 1h each for each contributing project to present and discuss the different routes for CO₂ Conversion investigated in the various projects.
This section will promote the evaluation of the advantages and open challenges of each of these routes. During each hour both the scientific and Industry- potential approach will be covered.
 - 13-14.20: lunch
 - 14.00-17.00: Poster sessions (general posters + specific) – contribution only by projects consortia.
 - 15.30-17.00 (optional and only for selected participants): Site-Visit (e.g. Avantium Amsterdam Science Park)
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