



THREADING-CO₂

Get to know the **THREADING-CO₂** related projects!

Several ongoing and recently finished European projects are focused on the valorization of CO₂ by developing this kind of circular approach. Of those projects, there are some with strong synergy with Threading-CO₂ either because they seek to improve and optimize the different processes in the value-chain of polyester or because they have obtained different textile products from CO₂. Some of the projects are still in their initial phase of implementation and more concrete results should be expected in the coming years while others will have reached key conclusions of interest to Threading-CO₂.

Networking endeavors will enhance the influence and broaden the reach of Threading-CO₂. Synergistic opportunities will arise through the combined utilization of dissemination tools and services, such as web exchanges, shared stakeholder events, and collaborative webinars. The outcomes of these engagements and partnerships will be integrated into the Threading-CO₂ project, offering not just technical assistance but also fresh commercial prospects.

Threading-CO₂ related projects!



PyroCO₂ will demonstrate the scalability and economic viability of carbon capture and utilization to generate climate-positive acetone from industrial CO₂ and renewable electricity-derived hydrogen.



VIVALDI develops an integrated solution for the conversion of biogenic CO₂ into added-value organic acids using CO₂ electrochemical conversion and bioprocess engineering can provide insights on the utilization of different CO₂ streams.



BIOALL is harnessing the benefits of formic acid to convert biomass and CO₂ into high added-value chemicals and fuels. As above, the project can provide insight on the use of alternative CO₂ streams.



RECODE deals with recycling CO₂ in the cement industry to produce added-value additives and can provide valuable information on the industrial valorization of CO₂ waste streams and provide access to additional energy intensive industries.



BIOCON-CO₂ aims at the development and validation in an industrially relevant environment of a flexible platform to biologically transform CO₂ into added-value chemicals and plastics. The project can provide insights on industrial valorization and energy intensive industries.



CarbonNext aims at evaluating the potential use of CO₂/CO and non-conventional fossil natural resources as feedstock for the process industry in Europe.



PESCO-UP develops sustainable, economically viable processes for upcycling mixed polyester/cotton (PES/CO) textile waste into high-quality cotton and polyester products. By 2025, textile waste collection will be mandatory in EU member states, and PESCO-UP aims to lead the charge in transforming this societal challenge into a business opportunity.



White Cycle: A partnership to reach the objectives set by the European Union for reducing CO₂ emissions by 2030. A unique consortium rallying 16 public and private European organizations working together for more circular economy.

Kairos@C (Innovation Fund) aims at establishing an end-to-end industrial scale cross-border CCS value chain on the Zandvliet platform in Antwerp which will be the largest CCS chain in the world, avoiding ca. 1.5 million tons of CO₂ each year. Threading-CO₂ can, in the years to come, take advantage of the infrastructures built in Kairos@C led by Air Liquide for the CO₂ supply. Furthermore, FAIR is currently based in the accelerator of Air Liquide in France.

Threading-CO₂ will establish connections with its sister projects with the aim of implementing public actions, offering them to interested stakeholders and users across academia, industry, and public sectors. These activities, designed to disseminate outcomes and involve project stakeholders, also include workshops, webinars, and trainings.



THREADING-CO₂

Would like to join our network for collaborative Dissemination and Communication activities?

Contact our designated team below:

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Subscribe to our newsletter
and follow Threading-CO₂
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to be always updated on the latest news
and the project progress!

CONSORTIUM



CONTACT US

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