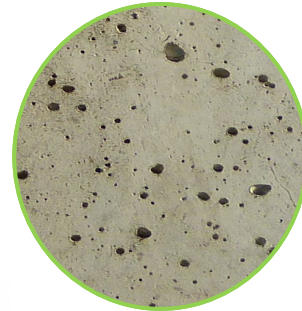


2nd International Workshop CO₂ Storage in Concrete CO₂STO2027



**Recycled concrete
aggregates**
(CO₂ mineralization)



**Low-carbon
construction materials**
(Mineral carbonation)



Industrial CO₂
(Emission sources)

16 - 17 March 2027, Marne-la-Vallée, France



International Workshop CO₂ Storage (CO₂STO2027)

Welcome & scope

The decreasing availability of natural sand and gravel, combined with increasing challenges related to waste management, highlights the need to increase the recycling and reuse of waste materials. In the construction sector, this issue is particularly important, as the industry is both a major consumer of mineral resources and a significant contributor to CO₂ emissions, especially through the production of Portland cement.

CO₂STO2027, the 2nd International Workshop on CO₂ Storage and Mineralization in Concrete, will focus on the role of mineral carbonation as a pathway to store CO₂ in construction materials and to improve the environmental performance of concrete-based systems. Concrete naturally carbonates during the service life of structures. At the end of life, accelerated carbonation of recycled concrete aggregates can also be used to improve their properties before reuse in new concrete.

The workshop will address CO₂ mineralization in recycled concrete aggregates, mineral carbonation for low-carbon construction materials, and the development of carbonation processes from laboratory scale to industrial implementation. Particular attention will be given to experimental studies, modelling approaches, technical barriers, scale-up issues, and environmental assessment methods.

CO₂STO2027 will bring together researchers, engineers, industry representatives, and stakeholders involved in carbonation technologies, recycled aggregates, low-carbon construction materials, and environmental evaluation. The workshop aims to promote scientific exchange and support the development of practical solutions for reducing the carbon footprint of construction materials.

Topics

- Session A:** CO₂ mineralization in recycled concrete aggregates.
- Session B:** Mineral carbonation for low-carbon construction materials.
- Session C:** CO₂ mineralization processes, technical barriers, scale-up, and environmental assessment.

Deadlines & submission

- Submission deadline: 31th October 2026
- Notification of acceptance: 31th November 2026
- Final revised submission: 18th December 2026

Registration & fees

Paying categories	Early bird rate	Standard rate (from 04 th Jan. to 1 st Mar. 2027)
AUGC, EFB, fib, RILEM Members	402 €	498 €
Non members	450 €	546 €
Students	204 €	252 €
Accompanying person	138 €	138 €

Registration fees include participation in the conference, proceedings, participation in coffee breaks, lunches, gala dinner, and compensation of CO₂ emissions due to travel.



International Workshop CO₂ Storage (CO₂STO2027)

Keynote Lecturers

Eric Bergé, The Shift Project, France
Ruben Snellings, KU Leuven, Belgium
Jean-Michel Torrenti, uni. Eiffel, France
Joana Vieira Duarte, Neustark, Switzerland

Organized by

UMR MCD
Université Gustave Eiffel
Cerema
<https://mcd.univ-gustave-eiffel.fr/>
<http://fastcarb.fr>

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