

European Committee for the Use of Computers in Chemical Engineering Education

- Association established in 1976 to promote CAPE teaching in Europe
- Focus on:
 - Encourage students (Bachelor/master/Phd) to use CAPE tools
 - Surveys and publications about state-of-the-art in CAPE teaching
 - Short courses, workshops (project design, active learning...)



Recurring activity: EURECHA Student Contest Problem (SCP)

- *Joint organization: Eurecha - WP CAPE – EFCE Energy section*

Manufacturing Chemical Products from CO₂ using Renewable Energy Resources

- Boundary conditions for the country organizing Escape
=> Italy in 2024, Belgium in 2025
- Publication of the results in open-access (CAPE website + PSEcommunity.org) => Constitution of an open database of processes

Student Contest Problem 2025

Manufacturing Chemical Products from CO₂ using Renewable Energy Resources

You ...

- ... like modeling, simulation, and optimization?
- ... want to work on sustainable solutions for future material supply?
- ... want to gather experience in team-based work in chemical engineering?

→ 1st prize: 1000 € & presentation at the ESCAPE conference 2025 in Belgium

→ 2nd prize: 750 € & presentation at the CAPE Forum 2025

→ Article online publication + model publication in open repository

Organized by:



<https://www.wp-cape.eu/index.php/eurecha/>



https://efce.info/Section_Energy.html

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EURECHA

Student Contest Problem 2025

Manufacturing Chemical Products from CO₂ using Renewable Energy Resources



Setting:



Interested? More information & registration:

<https://www.wp-cape.eu/index.php/student-contest-problem/>

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