

Special Issue

Advances in Carbon Capture and Storage (CCS) Deployment

Message from the Guest Editor

CCS is a critical technology and is instrumental in all realistic future scenarios aiming to curb global warming. In the EU alone, it is estimated that without CCS, the cost of reaching its CO₂ reduction target for power would increase by at least €1.2 trillion, while its target for industry would simply not be achievable without CCS. For many industrial sectors, CCS is the only means of achieving deep emission cuts, while maintaining a competitive economy. Despite progress in the number of large-scale, integrated CCS projects across the globe, the development of CCS at a significant scale has yet to begin. CCS deployment needs to be accelerated and supported by targeted research to increase the number of large-scale CCS projects required to meet climate targets. This Special Issue aims to present current advances on:

- CO₂ capture
- Integrated CCS
- CO₂ transport and storage.

Guest Editor

Dr. Amy Brunsvold

Department of Gas Technology, SINTEF Energy Research, NO-7465 Trondheim, Norway

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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