



2nd International Connect on

Clean & Traditional Energy

June 22-23, 2026 | Munich, Germany

CLEANENERGY2026



Special Session:

BECCS: Technologies, Pilot Projects and Regulatory Frameworks

Call For Papers

Organized and Chaired by:

Dr.-Ing. Martin Meiller

Fraunhofer Institute for Environmental, Safety and Energy Technology, Germany

Short Description:

BECCS, PyCCS and other carbon negative biomass-focused process chains are more than theoretical concepts –pilot projects demonstrate how bioenergy systems with integrated carbon capture and storage can contribute to achieving negative emissions. This session presents real-world examples and discusses the technical, economic, and regulatory challenges of implementing BECCS at scale. Experts from industry and research will share insights into current developments and future perspectives.

Scope and Topics of Interest: The session welcomes original research papers, case studies, and review articles addressing, but not limited to, the following topics

- * Technological innovations in BECCS, PyCCS, and related carbon-negative bioenergy systems
- * Pilot and demonstration projects: design, operation, and performance outcomes
- * Integration of BECCS within bioenergy value chains, including biofuels, biorefineries, and combined heat and power systems
- * Modeling, simulation, and optimization of BECCS process chains
- * Life-cycle assessment (LCA), carbon accounting, and sustainability metrics
- * Economic and financial assessment of BECCS implementation at scale
- * Policy, regulatory, and market frameworks supporting carbon capture and storage from biomass
- * CO₂ transport, utilization, and storage: infrastructure, monitoring, and safety aspects
- * Socio-economic and environmental implications of large-scale BECCS deployment
- * Cross-sectoral collaboration and international initiatives in carbon-negative technologies



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Who Should Contribute:

This session invites contributions from scientists, engineers, policy experts, and industry practitioners involved in the fields of bioenergy, carbon capture and storage, sustainable energy systems, and climate change mitigation. Interdisciplinary research and practical insights from ongoing projects are particularly encouraged.

Submission Guidelines:

- Authors should submit an extended abstract in the prescribed conference format (PDF or Word).
- Submissions must be made through the conference submission portal: <https://traditionalenergy.theinfiniteminds.net/abstract>
- All papers will be peer-reviewed for quality, relevance, and originality.
- Accepted papers will be included in the conference book and presented during the special session.
- Selected contributions may also be considered for publication in associated journals or special issues, subject to editorial review.

Important Deadlines:

Abstract submission deadline : January 30, 2026
Notification of acceptance : Within 4–5 working days of submission
Early-bird registration deadline : October 31, 2025
Conference dates : June 22–23, 2026

(All deadlines are subject to adjustment; please refer to the official conference website for updates.)

Session Objective

This session aims to bridge the gap between research, practice, and policy in the deployment of carbon-negative technologies. By showcasing real-world pilot projects, regulatory insights, and technological advances, it seeks to foster dialogue and collaboration toward scalable and sustainable BECCS implementation worldwide.

Conference Contact Details

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