



CTU

CZECH TECHNICAL
UNIVERSITY
IN PRAGUE

CCUV4 - Green Deal strategies for V4 countries: The needs and challenges to reach low-carbon industry.

The Workshop No.1
12.9.2022, Prague

- Visegrad Fund

The project is supported by The International Visegrad Fund,
project ID22120032.





THE CHARACTERISTIC OF THE PROJECT

- strengthening links, developing deeper cooperation, and sharing research and development knowledge in CCU technologies among the consortium partners

Project Applicant:



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Project Partner No.1



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Focus area: (Strategic) Returning to the roots of Visegrad cooperation

Implementation period: 1.1.2022-31.12.2023

Coordinator: Assoc. Prof. Ing. Lukas Kratky, Ph.D.; Czech Technical University in Prague, Faculty of Mechanical Engineering, Department of Process Engineering

Project partner No.3

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THE PROJECT EVENTS

THE TERM	EVENTS AND DELIVERABLES	Place
01/2022	The Online Kick-off Meeting	
05/2022	The Working Meeting No.1	Bratislava, SK
09/2022	The Workshop No.1	Prague, CZ
01/2023	The Working Meeting No.2	Miskolc, HU
05/2023	The Workshop No.2	Lodz, PL
09/2023	The Online Working Meeting	
11/2023	The Open Access Article	
12/2023	The Online Closure Meeting	





THE THEME

ADVANCES IN DESIGNING PROCESSES, EQUIPMENT, AND TECHNOLOGIES TO MEET LOW CARBON STRATEGIES IN V4 COUNTRIES.

- **Experimental process identification and modelling.**
 - Intensified pretreatment techniques.
 - CO₂ capture technologies.
- **Process optimization by energy minimization, recovery, reduction of carbon footprint.**
 - Particle processing, granulation.
 - Heat exchangers.
- **3G biorefinery, pyrolysis, PSA with electric energy storage system.**
- **LCA studies of several pathways.**



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LET'S GO AHEAD!



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