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

The Working Meeting No.1  
27.5.2022, Bratislava

- 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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Faculty of Mechanical Engineering  
[Department of Process Engineering](#)  
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### Project Partner No.1



Slovak University of Technology in Bratislava  
Faculty of Mechanical Engineering  
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### Project Partner No.2

Lodz University of Technology  
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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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Faculty of Mechanical Engineering and Informatics  
Department of Chemical Machinery  
[Institute of Energy Engineering and Chemical Machinery](#)  
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## THE SHORT DESCRIPTION OF THE PROJECT

**THE EUROPEAN GREEN DEAL AIMS TO REACH NET-ZERO GREENHOUSE GAS EMISSIONS IN 2050.**

### HOW CAN OUR CUV4 TEAM HELP?

- integrating individual research and development activities of the consortium to define directions of CO<sub>2</sub> treatment in biorefinery concept
- **studies of processes and equipment designing for energy recovery, CO<sub>2</sub> separation from flue gas and its CO<sub>2</sub>-to-X conversion technologies**
- strategic proposals of biorefineries for V4 low-carbon industries will be defined, followed by techno-economic evaluations and life-cycle assessments



## 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 SCOPE OF THE MEETING**

### **Theme:**

The potential role of project partners regarding technologies and equipment for Green Deal strategies in V4 countries.

8:30 – 9:00 – Registration of participants.

9:00 – 9:05 – Working meeting opening.

9:05 – 9:35 – The CTU partner as a player in R&D strategies to reach the low-carbon industry.

9:35 – 10:05 – The pivotal role of STU partner in R&D strategies for Green Deal applications.

10:05 – 10:35 – The TUL as the crucial R&D partner to reach Green Deal strategies.

10:35 – 11:05 – The introduction of UM partner's R&D activities for low carbon industries.

11:05 – 11:30 – Refreshment, discussion with participants.

11:30 – 13:00 – The tour in STU partner laboratories, closure of the Workshop.



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## LET'S GO AHEAD!



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