CTU
CZECH TECHNICAL UNIVERSITY IN PRAGUE

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

The Working Meeting No.2

30.1.2023, Miskolc, Hungary

Visegrad Fund

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

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THE CHARATERISTIC 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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Department of Process Engineering
Technicka 4, 160 00 Prague 6, Czech Republic
contact person: Assoc. Prof. Ing. Lukas Kratky, Ph.D.

Project Partner No.1

Slovak University of Technology in Bratislava
Faculty of Mechanical Engineering
Institute of Process Engineering
Nám. slobody 17, 812 31 Bratislava 1, Slovakia
contact person: Assoc. Prof. Ing. Peter Peciar, Ph.D.

Project Partner No.2

Lodz University of Technology
Faculty of Process and Environmental Engineering
Żeromskiego 116, 90-924 Łódź, 90-924, Poland
Department of Bioprocess Engineering
contact person: Prof. dr hab. inż. Stanisław Ledakowicz

Department of Environmental Engineering
contact person: Prof. dr hab. inż. Ireneusz Zbiciński

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

University of Miskolc
Faculty of Mechanical Engineering and Informatics
Department of Chemical Machinery
Institute of Energy Engineering and Chemical Machinery
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contact person: Dr. Siménfalvi Zoltán

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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	

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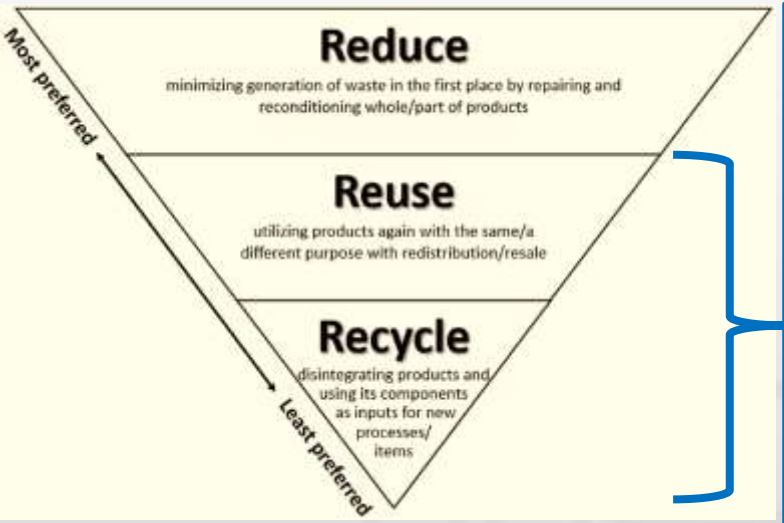
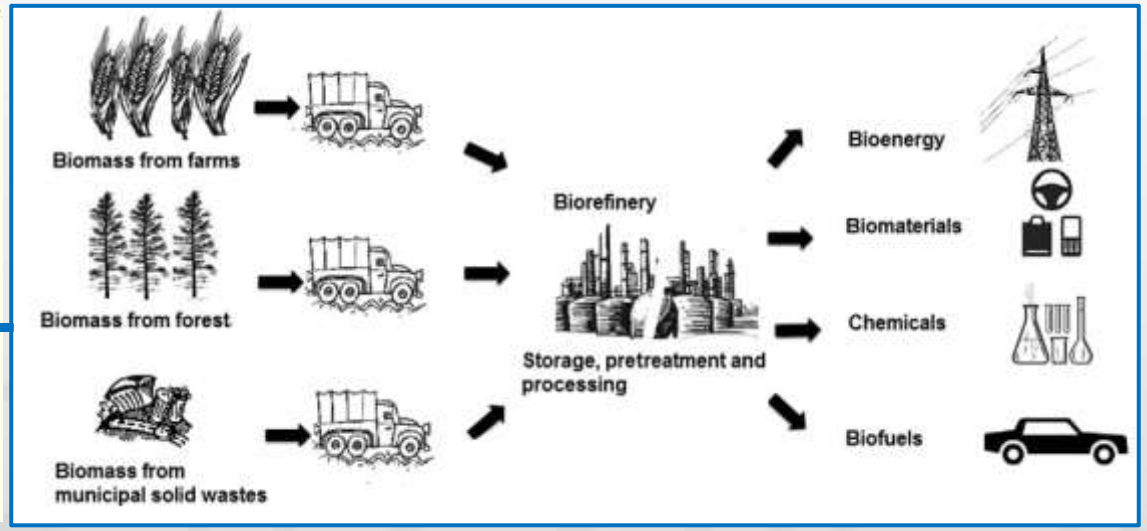
THE THEME

ADVANCES IN TECHNOLOGY AND EQUIPMENT DESIGN FOR INDUSTRIAL DECARBONIZATION OF V4 COUNTRIES.

- **19th century of steam, 20th century of fossil fuels, 21st century of renewable energy**





RAW MATERIAL SECURITY, RENEWABLE ENERGY, REDUCTION OF CARBON FOOTPRINT

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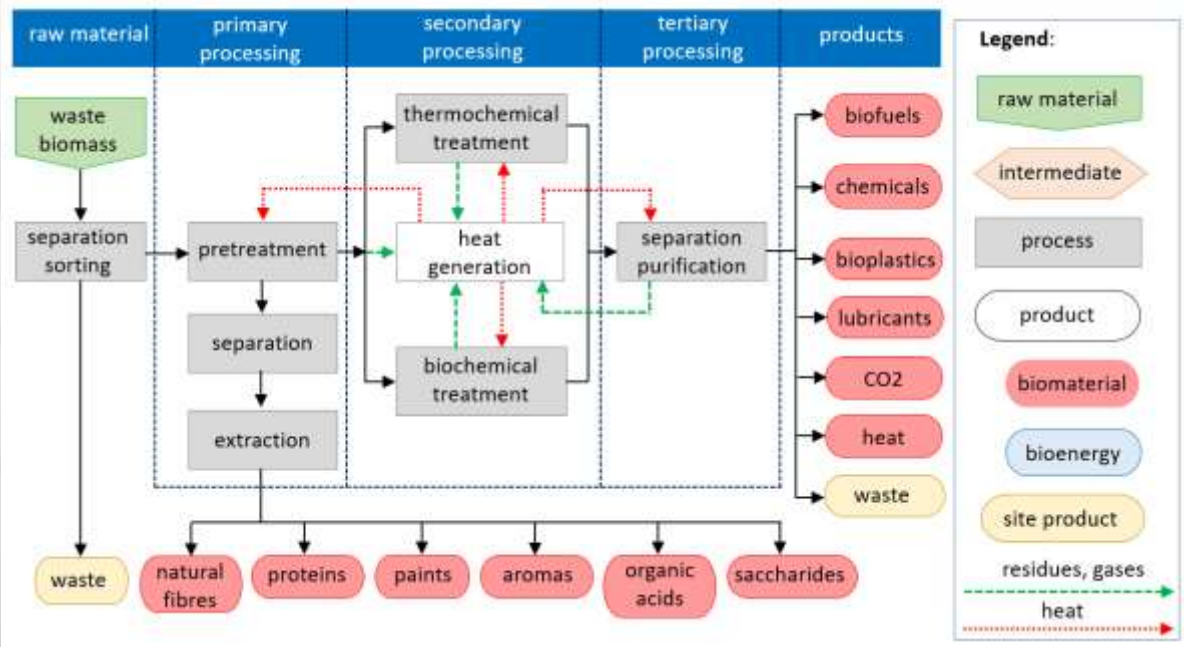
THE THEME

ADVANCES IN TECHNOLOGY AND EQUIPMENT DESIGN FOR INDUSTRIAL DECARBONIZATION OF V4 COUNTRIES.

- **Experimental process identification and modelling:**
- Hydrothermal pretreatment of biomass for biohydrogen production.
- Advances in photobioreactor design.
- Particle processing and granulation.
- Integration of renewable energy systems.



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LET´S GO AHEAD!

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