

## CONFERENCE PROGRAM

## MONDAY, 13 DECEMBER

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| 08:30         | <b>Welcome coffee and registration</b><br><b>Entrance hall</b>   |
| 10:00         | <b>Conference opening</b><br><i>Maciej Kosiński, „Magazyn Biomasa”</i>   |
| 10:20 – 12:00 | <b>SESSION I</b><br><b>The role of biogas and biomethane in the energy transformation of Europe and Poland</b>   |
|               | <ul style="list-style-type: none"> <li>✓ Development of the biogas industry in Poland - necessary legislative changes<br/><i>Michał Tarka, Tarka Trupkiewicz i Wspólnicy Law Office</i></li> <li>✓ Prospects for biomethane in transport in the light of the Fit for 55 package<br/><i>Adam Stępień, Polish Chamber of Biofuels</i></li> <li>✓ Presentation of a representative of PGNiG S.A.</li> </ul>   |
| 11:40 – 12:00 | <b>Biomass Magazine awards ceremony</b>  |
| 12:00 – 12:30 | <b>Directions for the development of „green gases” in Poland in relation to the European Green Deal - panel discussion with the participation of:</b> <ul style="list-style-type: none"> <li>• Marcin Ścigan, Department of Renewable Energy Sources, Ministry of Climate and Environment</li> <li>• Artur Michalski, National Fund for Environmental Protection and Water Management</li> <li>• Sylwia Koch-Kopyszko, Green Gas for Climate Association</li> <li>• Artur Zawisza, Union of Producers and Employers of the Biogas Industry</li> <li>• Dariusz Bojsza, Initiative for the Environment, Energy and Electromobility</li> <li>• dr Ewa Krasuska, National Centre for Research and Development</li> <li>• Piotr Spychała, PGNiG SPV7</li> </ul> <b>Moderation : Jolanta Kamińska, „Magazyn Biomasa”</b> |
| 12:30 – 12:50 | <b>Coffee break, networking</b>  |
| 12:50 – 14:30 | <b>SESSION II</b><br><b>Biogas as an opportunity for the development of rural areas</b>  |
|               | <ul style="list-style-type: none"> <li>✓ A biogas plant is a response to the methane tax and carbon footprint<br/><i>Jacek Dach, PhD, DSc, prof. of Poznań University of Life Sciences</i></li> <li>✓ The „Innovative Biogas Plant” project<br/><i>Marek Jedziniak, UNISERV S.A.</i></li> <li>✓ Production of biogas from chicken manure - strategies for optimization of the methane fermentation process<br/><i>Anna Grosser, PhD, DSc, prof. of Częstochowa University of Technology</i></li> <li>✓ Reliable operation of gas engines based on Shell oils and additional services<br/><i>Mateusz Jarosz, Shell Polska Sp. z o.o.</i></li> <li>✓ Carbon footprint in the production of A-consult tanks<br/><i>Piotr Zajac, A-consult Sp. z o.o.</i></li> </ul>   |
| 14:30 – 15:30 | <b>Lunch</b>   |

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| <b>15:30 – 17:00</b> | <b>SESSION III</b><br><b>Biogas from wastes - an innovative approach to waste management in Poland</b>   |
|                      | <ul style="list-style-type: none"> <li>✓ Biogas potential in relation to the national waste management plan<br/><i>dr inż. Jolanta Kamińska-Borak, Institute of Environmental Protection – National Research Institute</i></li> <li>✓ The use of bio-waste in the methane fermentation process on the example of solutions implemented in the Inter-Municipal Complex of Municipal Waste Management in Tychy<br/><i>Bartosz Gogol, Master – Odpady i Energia Sp. z o.o.</i></li> <li>✓ The role of biogas plants in the biowaste management in Poland<br/><i>Sylwia Koch-Kopyszko, Green Gas for Climate Association</i></li> <li>✓ Improvement of the method of selective collection of kitchen waste at the source and the yield of biogas in the methane fermentation process<br/><i>Grzegorz Gieszczyk, UNISERV S.A.</i></li> <li>✓ Optimal selection of a cogeneration unit for a biogas plant based on the type of installation and available substrates<br/><i>Krzysztof Maciąg, TEDOM Poland Sp. z o.o.</i></li> </ul> |
| <b>17:00 – 17:20</b> | <b>Coffe break, networking</b>   |
| <b>17:20 – 18:00</b> | <b>Q&amp;A Session – questions for speakers</b>  |
| <b>18:30</b>         | <b>Energy Run - 5 km trail for willing runners</b>   |
| <b>20:00</b>         | <b>Dinner</b>  |

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| <b>14:00 – 17:00</b> | <b>Meeting of the National Task Force of the Nutri2Cycle project as part of an open session. Chamber Room, level 3.</b>  |
| <b>14:00 – 14:30</b> | <b>Nutri2Cycle project - what has worked, what are we working on and what is ahead of us</b><br><i>Krystyna Malińska, PhD, DSc, prof. of Częstochowa University of Technology</i>      |
| <b>14:30 – 15:00</b> | <b>Lunch</b>   |
| <b>15:00 – 15:20</b> | <b>Research on properties of chicken manure biochar and potential directions of application</b><br><i>Katarzyna Wystalska, PhD, DSc, prof. of Częstochowa University of Technology</i> |
| <b>15:30 – 15:50</b> | <b>Chicken manure biochar as a sorbent</b><br><i>Jolanta Sobik-Szołtysek, PhD, DSc, prof. of Częstochowa University of Technology</i>  |
| <b>16:00 – 16:20</b> | <b>Energy recovery from chicken manure</b><br><i>Anna Grosser, PhD, DSc, prof. of Częstochowa University of Technology, Anna Jasińska, MSc.</i>  |
| <b>16:30 – 16:50</b> | <b>Risk awareness in managing research projects</b><br><i>Aleksandra Krzywik, MSc.</i>   |
| <b>16:50 – 17:00</b> | <b>Summary</b><br><i>Krystyna Malińska, PhD, DSc, prof. of Częstochowa University of Technology</i>  |

## TUESDAY, 14 DECEMBER

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| 09:00 – 11:00 | <b>IV SESSION</b><br><b>Biomethane in Poland - market development prospects</b>  |
|               | <ul style="list-style-type: none"> <li>✓ BioLNG as an alternative to injecting biomethane into the grid<br/><i>Lech Wojciechowski, Polish LNG and bioLNG Platform</i></li> <li>✓ Cogeneration or biomethane - why should we choose between these solutions?<br/><i>Łukasz Wilczyński, KWE AB Energy Polska Sp. z o.o.</i></li> <li>✓ From biogas to green molecules<br/><i>Piotr Kaczmarek, Fiorentini Polska Sp. z o.o.</i></li> <li>✓ From biogas to advanced biofuels. The first integrated bio-LNG installation in Germany as a showcase for the sustainable transport sector<br/><i>Maurice Markerink, EnviTec Anlagenebau GmbH &amp; Co. KG</i></li> <li>✓ Offset system in Poland. How biogas plants can contribute to a zero-emission Europe<br/><i>Paweł Wiktor, GSS S.A</i></li> </ul> |
| 11:00 – 11:20 | <b>Coffee break, networking</b>  |
| 11:20 – 13:00 | <b>SESSION V</b><br><b>Green investments - green finances</b>  |
|               | <ul style="list-style-type: none"> <li>✓ Funding opportunities for installations producing biogas / biomethane from domestic funds<br/><i>Artur Michalski, National Fund for Environmental Protection and Water Management</i></li> <li>✓ Legal, technological and financial challenges related to the construction and operation of a biomethane plant<br/><i>Alina Kowalczyk – Juśko, PhD, DSc, Polish Biomethane Association</i><br/><i>Marek Piłuła, Polish Biomethane Association</i><br/><i>Piotr Świeboda, Polish Biomethane Association</i></li> </ul>   |
| 13:00 – 14:00 | <b>The role of biogas in Poland's energy transformation - opportunities, challenges, barriers - panel discussion with the participation of:</b> <ul style="list-style-type: none"> <li>• Mariusz Samordak, Bank Ochrony Środowiska</li> <li>• Tomasz Pańczyszyn, Ministry of Climate and Environment</li> <li>• Krzysztof Zieniewicz, Green Genius</li> <li>• Marek Piłuła, Polish Biomethane Association</li> <li>• Paweł Karwat, Bio-Industry</li> </ul> <b>Moderation: Jacek Dach, Jacek Dach, PhD, DSc, prof. of Poznań University of Life Sciences</b>  |
| 14:00         | <b>Summary and conclusion of the 6<sup>th</sup> Biogas Congress</b>  |