



## The MISCOMAR Project International Scientific Conference

# Multiple benefits of biomass crops on marginal land

20<sup>th</sup>-21<sup>st</sup> March 2019, Institute for Ecology of Industrial Areas, Katowice, Poland

### CONFERENCE AGENDA

20 <sup>th</sup> March 2019 9:00 – 16:30	
9:00 – 10:00	<b>Registration of the participants and Welcome Coffee</b>
10:00 – 10:20	<b>Opening of the Conference and welcome by the host</b> Jan Skowronek, Director of the Institute of Ecology of Industrial Areas, Poland Marta Pogrzeba, Project Coordinator, Institute for Ecology of Industrial Areas, Poland
10:20 – 10:40	<b>The ERA-NET FACCE SURPLUS: Sustainable and Resilient Agriculture for Food and Non-Food Systems</b> Nicolas Tinois, Project Management Jülich, Coordinator of FACCE SURPLUS, Germany
10:40 – 12:00	<b>Session 1. Opportunities for perennial biomass crop production on marginal land in Europe</b> <i>Moderator: John Clifton-Brown, Aberystwyth University, Institute of Biological, Environmental and Rural Sciences, United Kingdom</i>
10:40 – 11:00	<b>European Bioeconomy: growth targets and timelines</b> Andreas Kiesel, University of Hohenheim, Institute of Crop Science, Department Biobased Products and Energy Crops, Germany
11:00 – 11:20	<b>Biomass production on heavy metal contaminated soils: exclusion and possibilities</b> Jacek Krzyżak, Institute for Ecology of Industrial Areas, Poland
11:20 – 11:40	<b>A review of perennial biomass crop field trials on heavy metal contaminated and marginal land: opportunities and recommendations for future research</b> Elaine Jensen, Aberystwyth University, Institute of Biological, Environmental and Rural Sciences, United Kingdom
11:40 – 12:00	<b>Advances in the spatial estimations of Miscanthus crop viability in Eurasia</b> Astley Hastings, University of Aberdeen, The School of Biological Sciences, United Kingdom
12:00 – 13:10	<i>Lunch</i>
13:10 – 14:50	<b>Session 2. Experience with <i>Miscanthus</i> crops on marginal land</b> <i>Moderator: Elaine Jensen, Aberystwyth University, Institute of Biological, Environmental and Rural Sciences, United Kingdom</i>
13:10 – 13:30	<b>Towards breeding resilient <i>Miscanthus</i> cultivars for marginal lands</b> John Clifton-Brown, Aberystwyth University, Institute of Biological, Environmental and Rural Sciences, United Kingdom
13:30 – 13:50	<b><i>Miscanthus</i> cultivation and remediation potential on heavy metal contaminated soil in Poland</b> Marta Pogrzeba, Institute for Ecology of Industrial Areas, Poland
13:50 – 14:10	<b>Practical approach to <i>Miscanthus</i> cultivation at commercial scale</b> Sam Buckby, Michael Squance, Terravesta Ltd., United Kingdom



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14:10 – 14:30	<b>Phytotechnology with <i>M. x giganteus</i> biomass production while applying to the metal(loid)s contaminated military and post-industrial sites</b> Valentina Pidlisnyuk, Jan Evangelista Purkyně University, Department of Technical Science, Czech Republic
14:30 – 14:50	<b>The technical and economic potentials of <i>Miscanthus</i> crops on marginal land in China</b> Bingquan Zhang, University of Groningen, Energy and Sustainability Research Institute Groningen, The Netherlands
14:50 – 15:20	<i>Coffee break</i>
<b>15:20 – 16:30</b>	<b>Session 3. Other crops for marginal lands</b> <i>Moderator: Marta Pogrzeba, Institute for Ecology of Industrial Areas, Poland</i>
15:20 – 15:40	<b>The possibility of cultivation Virginia mallow <i>Sida hermaphrodita</i> and cup plant <i>Silphium perfoliatum</i> for biogas and biomass production on light soils</b> Marek Bury, West Pomeranian University of Technology, Faculty of Environment Management and Agriculture, Poland
15:40 – 16:00	<b>Productivity of short rotation coppices and other perennial industrial crops in north-east Poland depending on production technology</b> Mariusz J. Stolarski, University of Warmia and Mazury in Olsztyn, Faculty of Environmental Management and Agriculture, Centre for Bioeconomy and Renewable Energies, Poland
16:00 – 16:30	<b>Discussion and conclusions after the first day of the conference</b>
<b>21<sup>st</sup> March 2019</b> <b>9:00 – 16:00</b>	
9:00 – 10:00	<b>Networking coffee and Poster Session</b> <i>Moderator: Jacek Krzyżak, Institute for Ecology of Industrial Areas, Poland</i>
<b>10:00 – 12:40</b>	<b>Session 4. Multiple products</b> <i>Moderator: Andreas Kiesel, University of Hohenheim, Institute of Crop Science, Department Biobased Products and Energy Crops, Germany</i>
10:00 – 10:20	<b><i>Miscanthus</i> biomass conversion via combustion and anaerobic digestion</b> Anja Mangold, University of Hohenheim, Institute of Crop Science, Department Biobased Products and Energy Crops, Germany
10:20 – 10:40	<b>Possibilities and quality criteria of miscanthus biomass for material and fibre use</b> Uwe Kühn, Technical Service Kuehn GmbH, Germany
10:40 – 11:00	<b>Thermochemical gasification as a way of converting biomass into secondary energy carriers: an overview of the applications and challenges related to the process and the input material</b> Marcin Siedlecki, Research and Innovation Centre Pro-Akademia, Poland
11:00 – 11:20	<b>Sustainable production of critical raw materials using biomass resources</b> Orla Williams, Faculty of Engineering, The University of Nottingham, United Kingdom
11:20 – 12:20	<b>Panel discussion</b> <i>Moderator: Marta Pogrzeba, Institute for Ecology of Industrial Areas, Poland</i>
12:20 – 12:40	<b>Conclusions and closing remarks</b> <i>Marta Pogrzeba, Project Coordinator, Institute for Ecology of Industrial Areas, Poland</i>
12:40 – 13:40	Lunch
<b>13:40 – 16:00</b>	<b>Trip to the testing site of the Institute for Ecology of Industrial Areas</b>



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