



The MISCOMAR Project International Scientific Conference

Multiple benefits of biomass crops on marginal land

20th-21st March 2019, Katowice, Poland

The MISCOMAR project will hold its final conference, to presents its developed approach and other results from the project, in the context of the EU's policies for advanced biofuels and bioenergy.

CONFERENCE ORGANIZERS

Institute for Ecology of Industrial Areas
The conference is organised as part of the MISCOMAR FACCE SURPLUS project
www.miscomar.eu

WHO SHOULD ATTEND

Scientists, representatives of local governments and state administration, companies processing agricultural biomass for energy, energy suppliers, farmers and biomass producers, are kindly invited to the conference.

PROJECT CONSORTIUM



Institute for Ecology of Industrial Areas, Poland



University of Hohenheim, Biobased Products and Energy Crops Department, Germany



Aberystwyth University, Institute of Biological, Environmental and Rural Sciences, United Kingdom

ASSOCIATED PARTNER



Terravesta Ltd., United Kingdom



Physis Ltd., United Kingdom

ABOUT MISCOMAR PROJECT

MISCOMAR is a three-year research project under the flag of the Era-Net Cofund FACCE SURPLUS - Joint Programming Initiative on Agriculture, Food Security and Climate Change (FACCE-JPI). MISCOMAR actions are an integrated chain of activities designed to deliver on the strategic objectives of FACCE.

The aim of the project is to determine the technical potential of novel miscanthus hybrids to deliver biomass production options on marginal and contaminated land and to determine and quantify the changes in soil health and structure under these crops. MISCOMAR investigated the potential of miscanthus biomass production on marginal lands including heavy metal contaminated arable soils. Changes in soil carbon and structure under miscanthus plantations were quantified to determine the environmental effects. Different miscanthus biomass end uses from marginal and contaminated land were valorised in order to find a proper way of integrating miscanthus into existing farming systems that will result in positive environmental and economic values.

MISCOMAR project provides the answer on the suitability of the biomass produced on marginal land including heavy metal contaminated, for energy production together with the understanding of the potential for soil quality improvement.



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CALL FOR POSTERS

Participants are invited to present a posters on their research into biomass production. Please submit an abstract (up to 200 words) by 20th February 2019 to m.pogrzeba@ietu.pl

The poster board will be 70 cm wide by 100 cm tall, mounted on stands. Authors of eligible abstracts will be invited to bring a poster to the conference.

VENUE

Institute for Ecology of Industrial Areas
Katowice, Kossutha Street 6, Poland

ACCOMMODATION

The organizers will provide recommendations of the hotels available for the participants.

REGISTRATION

[Online registration for conference.](#)

The participation in the conference is free of charge. The organizers do not cover travel and accommodation costs.

CONTACT

For more details, please visit website:

www.miscomar.eu

For inquiry about conference, please e-mail:

w.jarosz@ietu.pl



innovative solutions



individual approach



biomass production
- alternative for marginal land



remediation



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CONFERENCE AGENDA

20 th March 2019 9:00 – 18:00	
9:00 – 10:00	Registration of the participants and Welcome Coffee
10:00 - 10:10	Opening of the Conference and welcome by the host Jan Skowronek, Director of the Institute of Ecology of Industrial Areas, Poland Marta Pogrzeba, Project Coordinator, Institute for Ecology of Industrial Areas, Poland
10:10 – 10:30	The ERA-NET FACCE SURPLUS: Sustainable and Resilient Agriculture for Food and Non-Food Systems Nicolas Tinois, Project Management Jülich, Coordinator of FACCE SURPLUS, Germany
10:30 - 11:50	Session 1 Categorisation of the marginal land resource in Europe <i>Moderator: John Clifton-Brown, Aberystwyth University, Institute of Biological, Environmental and Rural Sciences, United Kingdom</i>
10:30 – 10:50	European Bioeconomy: growth targets and timelines Andreas Kiesel, University of Hohenheim, Institute of Crop Science, Department Biobased Products and Energy Crops, Germany
10:50 – 11:10	(Speaker to be confirmed)
11:10 – 11:30	Biomass production on heavy metal contaminated soils: exclusion and possibilities Jacek Krzyżak, Institute for Ecology of Industrial Areas, Poland
11:30 – 11:50	Review of PBC field trials to date performed on marginal land: opportunities and recommendations for future research focus Elaine Jensen, Aberystwyth University, Institute of Biological, Environmental and Rural Sciences, United Kingdom
11:50 – 13:10	<i>Lunch</i>
13:10 – 15:10	Session 2 Experience with <i>Miscanthus</i> crops on marginal land <i>Moderator: Elaine Jensen, Aberystwyth University, Institute of Biological, Environmental and Rural Sciences, United Kingdom</i>
13:10 – 13:30	Towards breeding resilient <i>Miscanthus</i> cultivars for marginal lands John Clifton-Brown, Aberystwyth University, Institute of Biological, Environmental and Rural Sciences, United Kingdom
13:30 – 13:50	<i>Miscanthus</i> cultivation on marginal land and remediation potential on heavy metal contaminated soil in Poland Marta Pogrzeba, Institute for Ecology of Industrial Areas, Poland
13:50 – 14:10	Practical approach to <i>Miscanthus</i> cultivation at commercial scale Sam Buckley, Terravesta Ltd., United Kingdom



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Save the date!

14:10 – 14:30	Phytotechnology with <i>M. x giganteus</i> biomass production while applying to the metal(loid)s contaminated military and post-industrial sites Valentina Pidlisnyuk, Jan Evangelista Purkyně University, Department of Technical Science, Czech Republic
14:30 – 14:50	Advances in the spatial estimations of <i>Miscanthus</i> crop viability in Eurasia Astley Hastings, University of Aberdeen, The School of Biological Sciences, United Kingdom
14:50 – 15:10	The technical and economic potentials of <i>Miscanthus</i> crops on marginal land in China Bingquan Zhang, University of Groningen, Energy and Sustainability Research Institute Groningen, The Netherlands
15:10 – 16:00	<i>Coffee break</i>
16:00 – 17:20	Session 3 Other crops for marginal lands <i>Moderator: Marta Pogrzeba, Institute for Ecology of Industrial Areas, Poland</i>
16:00 – 16:20	Criteria for site-specific selection of biomass crops for marginal areas Moritz v. Cossel, University of Hohenheim, Institute of Crop Science, Germany
16:20 – 16:40	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 Marek Bury, West Pomeranian University of Technology, Faculty of Environment Management and Agriculture, Poland
16:40 – 17:00	Short rotation coppice (Speaker to be confirmed)
17:00 – 17:20	Short rotation coppice (Speaker to be confirmed)
21st March 2019 9:00 – 16:00	
9:00 – 10:00	Networking coffee and Poster Session <i>Moderator: Jacek Krzyżak, Institute for Ecology of Industrial Areas, Poland</i>
10:00 – 12:20	Session 4 Multiple products <i>Moderator: Andreas Kiesel, University of Hohenheim, Institute of Crop Science, Department Biobased Products and Energy Crops, Germany</i>
10:00 – 10:20	<i>Miscanthus</i> biomass conversion via combustion and anaerobic digestion Anja Mangold, University of Hohenheim, Institute of Crop Science, Department Biobased Products and Energy Crops, Germany
10:20 – 10:40	Possibilities and quality criteria of miscanthus biomass for material and fibre use Uwe Kühn, Technical Service Kuehn GmbH, Germany (Speaker to be confirmed)
10:40 – 11:00	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 Marcin Siedlecki, Research and Innovation Centre Pro-Akademia, Poland
11:00 – 12:00	Panel discussion <i>Moderator: Marta Pogrzeba, Institute for Ecology of Industrial Areas, Poland</i>
12:00 – 12:20	Conclusions and Closing remarks Marta Pogrzeba, Project Coordinator, Institute for Ecology of Industrial Areas, Poland
12:20 – 13:20	Lunch
13:20 – 16:00	Trip to the testing site of the Institute for Ecology of Industrial Areas



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