


INVITATION

Phyto2Energy - Technical Seminar | 2nd October 2017

10:00-14:00 | Institute for Ecology of Industrial Areas

6, Kossutha St. 40-844 Katowice | Poland



Phyto2Energy consortium and fellows cordially invite you to attend a Technical Seminar that will present the results of the project. Throughout the three and a half year of Phyto2Energy implementation, we have gained some interesting experiences and worked out new, unique knowledge on the opportunities of implementing a complex approach combining phytoremediation of heavy metal contaminated sites with energy crops production and their conversion to energy using gasification. Our goal in the project was to demonstrate that such approach may become an alternative for managing agricultural areas and postindustrial sites contaminated with heavy metals while delivering an environmental and economic added value. The project has been implemented jointly by fellows from research and commercial sector from such countries as Poland, Germany and Romania under the flag of the 7th Framework Programme of the European Union, in the frame of the Maria Curie – Skłodowska Action: Industry-Academia Partnership Pathways.

SEMINAR OBJECTIVE

The objective of the seminar is to present and discuss the results achieved after three and a half year of project implementation. In particular we would like to present:

- **Results concerning the applicability of the pre-selected energy crop species such as miscanthus (*Miscanthus x giganteus*), virginia mallow (*Sida hermaphrodita*), cordgrass (*Spartina pectinata*), and switchgrass (*Panicum virgatum*) for phytoextraction and phytostabilisation and the associated biomass production**
- **Studies on the identification of plant growth promoting microorganisms as enablers accelerating plant biomass production and the clean-up of the contaminated areas**
- **Works on a prototype formula of a bioinoculum stimulating biomass yield for phytoremediation purposes**
- **Results on converting the produced biomass into energy using gasification taking into account environmental and economic considerations.**

Speakers at the seminar will be the fellows from IETU, Vita 34 BioPlanta, Probiotics Poland, HMGU, SUT and ISPE involved in the implementation of the project.

WHO AND WHY SHOULD ATTEND

We extend our invitation to:

- students and researchers interested in renewable sources of energy, thermal conversion of biomass, heavy metal contaminated soil remediation,
- farmers interested to establish plantations of energy crops on low quality soils,
- contaminated sites owners,
- companies dealing with gasification equipment,
- biofuel producers,
- institutes and companies dealing with production of biological formula for biomass growth stimulation.

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AGENDA

9:30 – 9:45	Welcome coffee
10:00 – 10:05	<i>Welcome – dr Jan Skowronek - IETU Director</i>
10:05 – 10:15	<i>Introduction to the Phyto2Energy project</i> Izabela Ratman-Kłosińska, IETU - Project Coordinator
10:15 – 10:30	<i>Possibility of using energy crops for phytoremediation of heavy metals contaminated lands – three years experiences</i> dr Marta Pogrzeba, IETU – WP1 Leader
10:30 – 10:45	<i>Technical and economic aspects of field demonstration</i> Kathrin Kopsielsky, Vita34 BioPlanta – WP1 Fellow
10:45 – 11:00	<i>The new bioinoculum: some aspects of development and evaluation</i> dr Szymon Powalowski, Probiotics Polska -WP2 Fellow; prof Grażyna Płaza, IETU – WP2 Leader
11:00 – 11:15	<i>Microbial response to heavy metals in rhizocompartments of Miscanthus x giganteus.</i> Urska Zadel, HMGU - WP2 Fellow
11:15 – 11:30	Coffee break
11:30 – 11:45	<i>Gasification process improvements, management and dissemination aspects –</i> dr Sebastian Werle, SUT – WP3 Leader
11:45 – 12:00	<i>Lab test and FTIR analysis</i> Cristina Tomescu, ISPE – WP3 Fellow
12:00 – 12:15	<i>TG analysis</i> Cristina Tomescu, ISPE – WP3 Fellow
12:15 – 12:30	<i>Fixed bed gasification and CBA (including environmental analysis)</i> dr Valentin Rusu, ISPE – WP3 Fellow
12:30 – 12:45	Q&A
12:45 – 14:00	Light Lunch

REGISTRATION

This seminar is REGISTER event and advance booking is required.

To attend, please RSVP by the following link until **28th September 2017**:

<https://goo.gl/forms/Z9R3QgoWr8R3EM4u2>

MORE INFORMATION

For info about the project visit our web site – address above or contact us:

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