

# The Project SEEMLA

Duration: 1.1.2016-31.12.2018

The main objective of the H2020 funded EU project SEEMLA is the establishment of suitable innovative land-use strategies for a sustainable production of plant-based energy on marginal lands while improving general ecosystem services.

In the context of the German Renewable Energy Sources Act (EEG) and the European Common Agricultural Policy (CAP) a concept should be developed with SEEMLA for a sustainable use of domestic biomass in order to be able to contribute to 'filling the gap' of the future demand in renewable resources as an energy source till 2050.

The project focuses on three main objectives:

- (i) the promotion of re-conversion of MagLs for the production of bioenergy through the direct involvement of farmers and forester
- (ii) the strengthening of local small-scale supply chains
- (iii) the promotion of plantations of bioenergy plants on MagLs.

The project partner countries are Italy, the Ukraine and Greece besides Germany.

Would you like to know more about the project?

Visit our websites:

[www.seemla.eu](http://www.seemla.eu)  
[international.fnr.de](http://international.fnr.de)

Or send us an email:

[w.baumgarten@fnr.de](mailto:w.baumgarten@fnr.de)



## Venue

Austria Center Vienna  
Bruno-Kreisky-Platz 1  
1220 Vienna  
Austria

<http://egu2017.eu/venue.html>

## Directions

Vienna International Airport at Schwechat, 19 kilometers from the city center, is state-of-the-art in every respect, featuring many restaurants and fine boutiques. The airport is served directly by all major European airlines.

To get downtown to Vienna from the airport to the hotels you can choose between taxi cabs, shuttle busses (Vienna Airport Lines) or the fast train (S-Bahn), and non will take you any longer than 20 minutes. In only 16 minutes the City Airport Train takes its passengers non-stop from the airport to the heart of Vienna.



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Partner



# 1st International Symposium

Session SSS2.10

Soils of Marginal Lands – Definition, Assessment and Land Use Options

25 April 2017

Sustainable exploitation of biomass for bioenergy from marginal lands (MagL) in Europe

# Programme Session SSS2.10

Tuesday, 25 April, 08.30-10.00, Room 2.21

Chair: Wibke Baumgarten & Diego Mattioli

## Definition and classification of marginal lands

- 8.30 Saori Miyake and Damian Bargiel**  
'Underutilised' agricultural land: its definitions, potential use for future biomass production and its environmental implications (**solicited**)
- 9.00 Vadym Ivanina**  
What makes up marginal lands and how can it be defined and classified?
- 9.15 Massimo Fagnano and Nunzio Fiorentino**  
Limits and Perspectives of cultivation of Biomass crops in marginal areas of Campania Region: the case of the so called "Terra dei Fuochi".

## Assessment and potentials of marginal lands

- 9.30 Frank Repmann, Werner Gerwin, and Dirk Freese**  
Assessing soil quality and potential productivity – a basic approach to define and assess the marginality of land
- 9.45 Dirk Freese and Anna Slazak**  
Time-dependent phosphate dynamics in reclaimed lignite-mine soils under Robinia pseudoacacia L.
- 10.00 Coffee break**



# Programme Session SSS2.10

Tuesday, 25 April, 10.30-12.30, Room 2.21

Chair: Federica Barbera & Werner Gerwin

## Assessment and potentials of marginal lands (cont.)

- 10.30 Simon Landhäuser**  
Challenges in forest reclamation of marginal lands: a balance between site conditions and seedling quality
- 10.45 Maik Veste, Christian Halke, Dieter Schmitt, Dario Mantovani, Reiner Zimmermann, Manfred Küppers, and Dirk Freese**  
Implications of soil heterogeneity on growth performance of fast-growing trees under marginal site conditions - an ecophysiological perspective
- 11.00 Jan Frouz**  
Using unassisted ecosystem development to restore marginal land case study of post mining areas

## Policies and decision support

- 11.15 Calliope Panoutsou**  
An integrated policy framework for the sustainable exploitation of biomass for bioenergy from marginal lands (**solicited**)
- 11.45 Wibke Baumgarten and Vincent Pelikan**  
Legal framework for a sustainable biomass production for bioenergy on Marginal Lands
- 12.00 Rita Mergner, Rainer Janssen, Dominik Rutz, Dirk Knoche, Raul Köhler, Marco Colangeli, Peter Gyuris and the FORBIO project partners**  
Fostering sustainable feedstock production for advanced biofuels on underutilised land in Europe
- 12.15 Spyridon Galatsidas, Nikolaos Gounaris, Elias Dimitriadis, Nils Rettenmaier, Tobias Schmidt, and Despoina Vlachaki**  
Developing tools to identify marginal lands and assess their potential for bioenergy production
- 12.30 Lunch break**

# Programme Splinter Meeting

(on invitation only, limited to 20 persons)

Tuesday, 25 April, 15.30-17.00, SMI32, Room 2.17

Chair: Werner Gerwin & Wibke Baumgarten

## Oral summaries of selected posters

- 15.30 Wibke Baumgarten and Birger Kerckow SEEMLA:**  
'Filling the gap' – The Future of bioenergy in the EU and the role of biomass from marginal lands
- 15.40 Aline Clalüna, Wibke Baumgarten, Daniel García Galindo, Klaus Lenz, Jan Doležal, Federico De Filippi, Joaquín Lorenzo, and Louis Montagnoli**  
The greenGain project – Biomass from landscape conservation and maintenance work for renewable energy production in the EU
- 15.50 Moritz Nabel, Hendrik Poorter, Vicky Temperton, Silvia D Schrey, Robert Koller, Ulrich Schurr, and Nicolai D Jablonowski**  
Energizing marginal soils: A perennial cropping system for Sida hermaphrodita
- 16.00 Yuriy Tsapko, Karina Desyatnik, and Alyona Kholodna**  
Cultivation of energy crops on degraded drained lands as an effective way of improving of their agrieological state
- 16.10 Stefan Schrader, Quentin Schorpp, Anna Lena Müller, and Jens Dauber**  
Agro-ecological potential of the cup plant (Silphium perfoliatum L.) from a biodiversity perspective
- 16.20 Mark Bartlett, Samantha Hartzell, and Amilcare Porporato**  
Biofuel crops with CAM photosynthesis: Economic potential on moisture-limited lands
- 16.40 Claudia Oehmke, Tobias Dahms, Sabine Wichmann, and Wendelin Wichtmann**  
Paludiculture on marginal lands – sustainable use of wet peatlands
- 16.50 Franz Kirchmeyr and Manfred Szerencsits**  
Cover-crops – improvement of soil fertility and provision of biomass