
CONFERENCE AND EUROPEAN ECOCYCLES SOCIETY WORKSHOP ON GREEN ENERGY AND SUSTAINABLE MANAGEMENT OF CULTURAL LANDSCAPES

November 20-23, 2015

Károly Robert University College, Gyongyos, Hungary

Objectives of the conference and workshop

1. Green energy research and regional planning. “Preparation of targeted complex fundamental research in the fields of remote sensing and green energy, networking and preparation to participate in transnational programmes and initiatives”, project ID: TÁMOP-4.2.2.D-15/1/KONV-2015-0010. Green energy and regional planning. Agroforestry and energy independence in rural areas. Complex agricultural renewable energy systems: research and education programs linked to local and regional development strategies.

2. The Sustainable Management of Cultural Landscapes (SUMCULA) Proposal for creating a consortium for interdisciplinary cooperation in education and research to create inter-institutional network for research, Erasmus+ strategic partnerships, and new international education programmes. Main organiser: the University of Gothenburg, Sweden. Partners: University of Palermo (UNIPA), Italy; University of Applied Sciences (HTW), Dresden, Germany; University of Edinburgh, UK; Ecole des Métiers de l'Environnement (EME), Bruz, France; Jan Grodek College, Sanok, Poland; University College for Tourism and Ecology (WSTiE), Poland; Mendel University of Brno, Czech Republic; Slovak University of Agricultural Sciences (SPU), Nitra, Slovakia; University of Pécs, Hungary; Eszterházy Károly University College (EKTF), Eger, Hungary; Károly Róbert University College (KRF), Gyöngyös, Hungary.

3. Soil Resources Management and Conservation (SORMAC). One of the most important issues in agriculture and rural development is the management of soil resources. The purpose of the proposed consortium is to create an interdisciplinary cooperation in research and education within applied soil science, establish Erasmus+ strategic partnerships, developing new international education programmes and inter-institutional network for research. Main organiser: University of Palermo, Italy. Partners: University of Gothenburg, Sweden; University of Applied Sciences (HTW), Dresden, Germany; Károly Róbert University College, Gyöngyös, Hungary; Jan Grodek College, Sanok, Poland; Mendel University of Brno, Czech Republic; Slovak University of Agricultural Sciences (SPU), Nitra, Slovakia; University of Edinburgh, UK.

4. Setting up bilateral agreements between institutions

- a. Framework agreements for strategic partnerships and development of Horizon2020 projects,
- b. Erasmus+ bilateral agreements for student, teaching staff and administrative staff mobility and bilateral framework agreements between the institutions,
- c. Nominating contact persons for following up the procedures.

PROGRAMME

Date	Time	Activity		
Fri. 20. Nov.	14:00 – 18:00	Arrival of invited guests to Károly Róbert University College. Address: HU-3200 Gyöngyös, Mátrai út 36 . Phone: +36 37 518300. Registration upon arrival at the reception desk and transport to the hotel. Transport service for late arrivals will be arranged individually.		
Sat. 21. Nov.	08:00 – 08:20	Arrival to the conference, completing the registration.		
	08:20 – 08:40	<u>Introduction</u> . Sándor Némethy: Connecting the subject areas of sustainability in one holistic system. Programme information.		
	08:40 – 09:00	<u>Lecture</u> : Tamás Tomor: Preparation of targeted complex fundamental research in the fields of remote sensing and green energy, networking and preparation to participate in transnational programmes and initiatives. Complex, interdisciplinary approach in applied green energy research linked to regional planning and landscape management.		
	09:00 – 12:15	<u>Presentations</u> : Invited speakers present their departments, research and education profiles and the main research programmes, which may be of interest for future joint research projects. Presentation of research activities, which could be linked to education (not only PhD but even BSc and MSc level).	09:00-09:15	Antonio Ioris, UED
			09:15-09:30	Bosse Lagerqvist, GU
			09:30-09:45	Christian Siewert, HTW
			09:45-10:00	Giuseppe Lo Papa, UNIPA
			10:00-10:15	Rodney Stevens, GU
			10:15-10:30	Lóránt Dávid, EKTF
			10:30-10:45	Coffee break
			10:45-11:00	Mats Olvmo, GU
			11:00-11:15	Radomír Klvac, UM
			11:15-11:30	Ivo Pavlík, UM
			11:30-11:45	Tomas Ulväng, ENAE
	11:45-12:00	Mateusz Kaczmarzski, JG		
	12:00-12:15	Alice Kozumplíková, UM		
	12:15 – 13:30	Lunch		
	13:30 – 15:50	Visiting the Green Energy Research Centre and the hydroponic greenhouses of the College in Atkár, Tasspuszta.		
	15:50 – 16:00	Break		
	16:00 – 17:30	Continuation of the morning session (project presentations)	16:15-16:30	Pavol Otepka, SPU
16:30-16:45			Carmelo Dazzi, UNIPA	
16:45-17:00			Thomas Hull, EME	
17:00-17:15			Erik Husberg, GU	
17:15-17:30			Iván Zádori, UP	
17:30 – 17:50	<u>Lecture</u> : Tomas Ulväng: Renewable energy production, energy distribution systems and waste management in Enköping, Sweden			
17:50 – 18:10	<u>Lecture</u> : Mats Olvmo: Geomorphology in planning and in geotourism projects – examples from Sweden			
18:10 – 18:30	<u>Lecture</u> : Rodney Stevens: Pollution and Land Management (PALM)			
18:30 – 18:50	<u>Lecture</u> : Péter Tamás Nagy, László Szegedi & Sándor Némethy: Critical heavy metal concentrations in soil inhibit biomass production			
18:50 – 19:00	Information about the second day of the conference and workshop			
19:00 – 22:00	Evening party, supper and informal mingling			
Sun. 22. Nov.	08:00 – 08:20	<u>Lecture</u> : László Dinya: Sustainable local economies		
	08:20 – 08:40	<u>Lecture</u> : Antonio Ioris: The sustainable use of natural resources and the conservation of cultural landscapes		
	08:40 – 09:00	<u>Lecture</u> : Bosse Lagerqvist, Sándor Némethy & Anna Lagerqvist: Sustainable management of cultural landscapes: an interdisciplinary approach to regional development regarding the landscape as valuable cultural heritage		
Date	Time	Activity		
	09:00 – 09:20	<u>Lecture</u> : Tamas Komives: Phytoremediation of polluted soils and biomass production		
	09:20 – 09:40	<u>Lecture</u> : Carmelo Dazzi & Giuseppe Lo Papa: Soil resources management and conservation: land use, soil degradation and remediation, use of remote sensing and GIS in soil conservation.		
	09:40 – 10:00	Coffee break		

Sun. 22. Nov	10:00 – 10:20	<u>Lecture:</u> Katalin Takácsné-György & István Takács: The economical and social viability of renewable energy production and use in cities and rural communities - possible conflicts with food production
	10:20 – 10:40	<u>Lecture:</u> Péter Raeskó: Informatics and smart metering in sustainable energy management
	10:40 – 11:00	<u>Lecture:</u> Radomír Klvač, Ivo Pavlík & Alice Kozumplíková: Sustainable forest management, production of bioenergy feedstocks and rural planning
	11:00 – 11:20	<u>Lecture:</u> Zoltán Bujdosó, Gyöngyi Kovács & Bartłomiej Wałas: Viable use of ecosystem services and green energy in tourism
	11:20 – 11:30	Break
	11:30 – 12:30	WORKSHOP (ECyS)* <u>Thematic group discussions:</u> 1. Green energy (forestry, energy crops, other renewables) – Chairman: Radomír Klvač and Pavol Otepka 2. Regional development and landscape conservation – Chairman: Ivo Pavlík and Bosse Lagerqvist 3. Water resources management and conservation (including hydroponic/aquaponic systems e.g. urban agriculture) – Chairman: Antonio Ioris and László Fodor 4. Soil resources management and conservation – Chairman: Carmelo Dazzi and Giuseppe Lo Papa 5. Socio-economic issues and stakeholder management in regional development – Chairman: Erik Husberg and Iván Zádori
	12:30 – 13:40	Lunch
	13:40 – 14:00	<u>Lecture:</u> Erik Husberg: Environmental problems caused of fossil energy use and insufficient waste management practices in China: social and economical implications
	14:00 – 14:20	<u>Lecture:</u> Pavol Otepka: Cultivation of fast-growing basket willow (<i>Salix viminalis L.</i>) fertilized with wood ash for energy, remedial and medicinal uses
	14:20 – 14:40	<u>Lecture:</u> Mateusz Kaczmarek: Impact of bottom sediments on assimilability of copper and zinc in light soil
	14:40 – 14:50	Break
	14:50 – 16:50	<u>Workshop (ECyS):</u> Continuation of thematic group discussions
	16:50 – 17:20	<u>Workshop (ECyS):</u> Plenary workshop discussions: interconnected issues of sustainability. Chairman: László Dinya
17:20 – 17:40	Questions, final discussion, evaluation, agenda for the future. Closing the workshop and the conference	
Mon. 23. Nov	08:00 – 10:00	Check out and departure

*ECyS = European Ecocycles Society – organising the workshop

Invited speakers:

1. Antonio Ioris, University of Edinburgh, UK
2. Christian Siewert, University of Applied Sciences (HTW), Dresden, Germany
3. Viola Siewert, University of Applied Sciences (HTW), Dresden, Germany
4. Erik Husberg, University of Gothenburg (GU), Sweden
5. Bosse Lagerqvist, University of Gothenburg (GU), Sweden
6. Mats Olvmo, University of Gothenburg (GU), Sweden
7. Rodney Stevens, University of Gothenburg (GU), Sweden
8. Anna Lagerqvist, Kiruna Centre for Conservation of Cultural Property (KC), Sweden
9. Tomas Ulväng, Enköping Energi AB (ENAE), Sweden
10. Carmelo Dazzi, University of Palermo (UNIPA), Italy
11. Giuseppe Lo Papa, University of Palermo (UNIPA), Italy
12. Tamás Kőmíves, Hungarian Academy of Sciences (MTA)
13. Pavol Otepka, Slovak University of Agricultural Sciences (SPU), Nitra, Slovakia

14. Radomír Klvač, Mendel University (UM), Brno, Czech Republic
15. Alice Kozumplíková, Mendel University (UM), Brno, Czech Republic
16. Ivo Pavlík, Mendel University (UM), Brno, Czech Republic
17. Mateusz Kaczmariski, Jan Grodek College (JG), Sanok, Poland
18. Marian Szewczyk, Jan Grodek College (JG), Sanok, Poland
19. Bartłomiej Walas, University College for Tourism and Ecology (WSTiE), Sucha Beskidzka, Poland
20. Thomas Hull, EME, Bruz, France
21. Zoltán Huszár, University of Pécs (UP), Hungary
22. Iván Zádori, University of Pécs (UP), Hungary
23. Lóránt Dávid, Eszterházy Károly University College (EKTF), Eger
24. Zoltán Bujdosó, Károly Róbert University College (KRF), Gyöngyös, Hungary
25. László Dinya, Károly Róbert University College (KRF), Gyöngyös, Hungary
26. László Fodor, Károly Róbert University College (KRF), Gyöngyös, Hungary
27. Gyöngyi Kovács, Károly Róbert University College (KRF), Gyöngyös, Hungary
28. László Szegedi, Károly Róbert University College (KRF), Gyöngyös, Hungary
29. Péter Tamás Nagy, Károly Róbert University College (KRF), Gyöngyös, Hungary
30. Péter Racskó, Károly Róbert University College (KRF), Gyöngyös, Hungary
31. Katalin Takácsné-György, Károly Róbert University College (KRF), Gyöngyös, Hungary
32. István Takács, Károly Róbert University College (KRF), Gyöngyös, Hungary
33. Tamás Tomor, Károly Róbert University College (KRF), Gyöngyös, Hungary

Coordinators

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Logistics, finance and Erasmus+ exchange (teaching and administrative staff and student mobility):

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