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## STYRIAN ACADEMY for Sustainable Energies

### International Business Seminar I: Regional Development and Sustainable Energy 6-7 July 2010, Graz, Austria

This two day seminar will provide an interdisciplinary overview on chances and challenges for regional development linked to the “Energy Wende” from fossil to renewable resources. It will provide participants with information about technological options as well as political, economic and social implications for regions that decide to change their energy system. Particular emphasis will be laid on knowledge and experience from practical implementation of sustainable energy systems in regional contexts as well as strategic perspectives for regions in the light of the increased role of sustainable energy systems in European society.

#### Target group and topics

This seminar addresses in particular regional development experts and regional decision makers. It will deal with the following topics:

- Regional energy plans and optimal resource allocation
- Regional economic and social impacts of energy systems
- Logistics for regional sustainable energy systems
- Technological challenges for renewable energy systems

#### Lecturers

The seminar convenes top international lecturers addressing core issues of sustainable regional energy systems. Among them are, in alphabetical order:

Maarten **Arentsen**, University of Twente, The Netherlands; Political Sciences

Luigi **Crema**, Fondazione Bruno Kessler, Italy; Information Sciences

G. Jan **Harmsen**, University of Groningen, The Netherlands; Technical Sciences and Sustainable Development

William **Lafferty**, University of Oslo and SINTEF, Norway; Political Sciences

Tim **Krantz**, University of Redlands, United States of America; Environmental Sciences and Land Use

Yoram **Krozer**, Cartesius Institute, The Netherlands; Environment and Innovation Development

Ina **Körner**, TU Hamburg Harburg, Germany; Bioconversion and Emission Reduction

Michael **Narodoslawsky**, TU Graz, Austria; Chemical Engineering and Sustainable Development

#### Registration

Registration will be available via the STYRIAN ACADEMY website <http://styrianacademy.eu> (coming soon). **Deadline for registrations: 28 May 2010.** A total of 30 slots will be available based on date of registration. The cost of participation is €700,-, including lectures, supporting material and meals. For questions, please contact [office@styrianacademy.eu](mailto:office@styrianacademy.eu).

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## STYRIAN ACADEMY for Sustainable Energies

### International Business Seminar I: “Regional Development and Sustainable Energy”

Time: Tuesday, 6 July 2010, 08:00 – 18:00  
Venue: Hörsaal FSI 2, Frank-Stronach Institut, Inffeldgasse 11, 8010 Graz

#### Draft Programme

##### DAY 1

08:00 – 08:30 *Registration*

##### *Morning session*

08:30 – 09:00 Introduction to STYRIAN ACADEMY by Prof. Michael Narodoslowsky, TU Graz, Austria; Chemical Engineering and Sustainable Development

09:00 – 10:00 “Energy and Sustainable Development: The Dual Challenge of Competitive Democracy and Multi-level Governance” by William Lafferty, University of Oslo and SINTEF, Norway; Political Sciences

10:00 – 10:30 Workshop led by William Lafferty

10:30 – 11:00 *Coffee break*

11:00 – 12:00 “Regionally adapted Sustainable Energy Systems” by Michael Narodoslowsky, TU Graz, Austria; Chemical Engineering and Sustainable Development

12:00 – 12:30 Workshop led by Michael Narodoslowsky

12:30 – 13:30 *Lunch*

##### *Afternoon session*

13:30 – 14:30 “Sustainable Energy Solutions in the USA” by Tim Krantz, University of Redlands, United States of America; Environmental Sciences and Land Use

14:30 – 15:00 Workshop led by Tim Krantz

15:00 – 15:30 *Coffee break*

15:30 – 16:30 “Linking Energy and Regions by Information Technology” by Luigi Crema, Fondazione Bruno Kessler, Italy; Information Sciences

16:30 – 17:00 Workshop led by Luigi Crema

17:00 – 18:00 Summary by Michael Narodoslowsky

## DAY 2

Time: Wednesday, 7 July 2010, 09:00 – 18:00  
Venue: Hörsaal FSI 2, Frank-Stronach Institut, Inffeldgasse 11, 8010 Graz

### **Morning Session**

- 09:00 – 10:00 “Regional Resource and Energy Management Policy” by Maarten Arentsen, University of Twente, The Netherlands; Political Sciences
- 10:00 – 10:30 Workshop led by Maarten Arentsen
- 10:30 – 11:00 *Coffee break*
- 11:00 – 12:00 “Innovative Regional Sustainable Energy Systems” by Yoram Krozer, Cartesius Institute, The Netherlands; Environment and Innovation Development
- 12:00 – 12:30 Workshop led by Yoram Krozer
- 12:30 – 13:30 *Lunch*

### **Afternoon session**

- 13:30 – 14:30 “From Waste to Riches - Sustainable Energy Technologies” by Ina Körner, TU Hamburg Harburg, Germany; Bioconversion and Emission Reduction
- 14:30 – 15:00 Workshop led by Ina Körner
- 15:00 – 15:30 *Coffee break*
- 15:30 – 16:30 “Competition between Renewable and Fossil Energy Technologies” by G. Jan Harmsen, University of Groningen, The Netherlands; Technical Sciences and Sustainable Development
- 16:30 – 17:00 Workshop led by G. Jan Harmsen
- 17:00 – 18:00 Round-up discussion of the seminar, chaired by Michael Narodoslawsky

### **Evening reception**

- Venue: Medienzentrum Steiermark, Hofgasse 16, 8010 Graz
- 19:00 - 22:00 Garden Talk on “Smart e-Mobility” by Klaus Woltron, Owner and President of ADVENGYS GmbH and AG, Austria, followed by informal discussions during dinner on the invitation of the Styrian Government