



SESEC

Sustainable Environmental Solutions for Emerging Countries

SESEC VIII SYMPOSIUM

Olympic Museum, Lausanne, Switzerland

November 10th, 11th and 12th, 2009

Integrated local solutions building global green economy

SESEC VIII focuses on the following topics:

- ❖ **Green Economy and Job Creation**
- ❖ **Sustainable Environment Through Co-ordinated Solutions**
- ❖ **Regional Cooperation in Low CO2 Actions & IFGRA Role**
- ❖ **Best Practices and Initiatives in Carbon Reducing Technologies**
- ❖ **Access to Financing Environmental Projects (Euresearch)**

In principle and in practice, SESEC is NOT a classical symposium but a platform for promoting concrete projects, project consortiums and discovering new sources of finance.

SESEC Committee believes that effective and efficient boosts to world economies increasingly depend on coordinating solutions to social challenges such as preserving a healthy environment, promoting energy savings, improving life-quality and providing healthy and abundant food for everyone.

Such needs are common to every region of the world, while answers are often to be found at the local level. Many effective technologies have or are being developed within university research departments. Other existing technologies, owned by small and medium firms, invite further development through private and public partnerships of greater scale.

In that context, SESEC VIII will present already achieved results of this policy, referred to as 'Best Practices', and will help with the organization and development of new projects at a local level, the creation of new jobs and the promotion of a more sustainable environment

SESEC Main Supporters



- FOEN (ex-SAEFL) Swiss Federal Office for the Environment • Alpine Space •
- SECO Swiss State Secretariat for Economic Affairs • State of Vaud • ADNV Northern Vaud Development Association • City of Lausanne • EPFL Swiss Federal Institute of Science and Technology, Lausanne •
- IMD International Institute for Management Development, Lausanne • SICL - Swiss Institute for Comparative Law, Lausanne • HEIG-VD Engineering & Management School, Vaud • BCC Beijing Capital Co., Ltd, China • GRANIT Group of Research and Applications in Nature - Innovation - Technologies • TecOrbe Environmental Technology Center, Orbe • Y-Parc Science and Technology Park, Yverdon-les-Bains • Romande Energie Renouvelable



PROGRAM - SESEC VIII - 2009

Day I

Tuesday Afternoon – November 10th, 2009

13:30 – 14:15 **Registration**

14:15 – 16:00 **Session 1 Green Economy and Job Creation (Part A)**

How to boost the economy and job creation through local sustainable development in public-private partnerships

Dr. Alain Jenny, President, SESEC, Lausanne, Switzerland

Corporate initiative in creating an NGO- SEE and its development

Prof. Xiaoguang Liu, Chairman of Beijing Capital Co., Ltd. Beijing, China

“The Grenelle of Environment”, a national plan to boost the economy in France

Dr. Hughes-Arnaud Mayer, Vice-President, Mouvement des Entreprises de France (MEDEF), France

Which society after the crisis?

Prof. Claudia Bettiol, University of Rome Tor Vergata, Italy

Decentralized rural energy program for poverty reduction and job creation in India

Dr. Hari Sharan, President, Dasag Energy Engineering Ltd, Seuzach, Switzerland

Cooperation between Burkina Faso and Switzerland for a better irrigation of new plantations through solar energy

Prof. Justin Koutaba, Minister, Ministry of Employment and Youth, Burkina Faso

16:00 – 16:30 **Networking coffee break**

16:30 – 18:00 **Session 2 Green Economy and Job Creation (Part B)**

The first results of “Obamas’s Plan” to boost the economy through environment

Mr. Jeff Newman, California Business, Transportation & Housing Agency (BTH), USA

Access to available information and financing

Ms Patricia Glaza, Executive Director & CEO, Clean Technology and Sustainable Industries Organization, USA

Fuel4Change: changing the game in Afghanistan – Biofuel opportunities to solve the opium poppy problem

Mr. Matthew Simmons, Adjunct Prof. San Diego State University California USA & Learning Manager, IMD, Lausanne, Switzerland

Dam Safety in Switzerland – Principles and Experience

Dr. Bernard Joos, General Secretary of the Swiss Dam Committee, Switzerland

Scoping investigation for the water resources of Varto in Turkey

Prof. Dr. Alper Baba, Izmir Institute of Technology, Izmir, Turkey

Civil society and advocacy; Solar Cookers International promotes low CO2 technologies at global policy level

Dr. Sonia Heptonstall, Solar Cookers International (SCI), Representative to the UNECOSOC, Geneva, Switzerland

Moderated by Dr. Kaj Noschis, Partner, Colloquia, Lausanne, Switzerland

18:00 **Cocktail at the Olympic Museum**



Day II

Wednesday Morning – November 11th, 2009

09:00 – 09:30 **Registration**

09:30 – 11:00 **Session 3 Sustainable Environment Through Co-ordinated Solutions (Part A)**

Global governance in the crisis era: what priority for the environment?

Prof. Jean-Pierre Lehmann, IMD, Founding Director, The Evian Group, Lausanne, Switzerland

Building up Beijing Dongchen District as the demonstration district in low CO2 economy in China

Dr. Yong Chen, Director, Financial Services Office, Dong Chen Government, Beijing, China

A summarized presentation of the different available renewable energies

Dr. Edgard Gnansounou, EPFL, Lausanne, Switzerland

A promising technology for specific location among which Balkan mountains and some Swiss opportunities

Mr. Charles-Denis Perrin, CEO, International Foundation for World Environment (IFWE), Lausanne, Switzerland

The Green Center Western Switzerland in Orbe, a tool for technologies integration

Prof. Maurice Jutz, University of Applied Sciences North-Western Switzerland, Basel, Switzerland

Carbon projects and the future coordination in China

Mr. Felix-Franz Ernst, Senior Advisor, IFGRA Steering Committee Member, Germany

11:00 – 11:30 **Networking coffee break**

11:30 – 13:00 **Session 4 Sustainable Environment Through Co-ordinated Solutions (Part B)**

Technology development for capacity building & strategic competitiveness – The Sierra Leone situation

Dr. Alpha Grace, Executive Director, Centre for socio-cultural development, Corcelles, Switzerland

SKIPSO – The Global Cleantech Open Innovation Platform – Make the world your innovation lab

Mr. Christian Häuselmann, SKIPSO / Swiss Cleantech Association, Del Mar, USA

Plan to realize photovoltaic fields lots 3 Mega Watt

Mr. Alessandro Meo, DEFIS Sustainable Investments Performances SA, Geneva, Switzerland

Thermopile © : an innovative technology for the remediation of contaminated sites

Dr. Maurizio, Licence Holder, S.T.A. S.r.l. Venezia, Italy & Dr. Marten Kingmans, Owner of the patent, Deep Green - Bruxelles – Belgium

Malta's incentives package for businesses involved in R&D and innovation

Ing. Mark Azzopardi, Head of PR & Environment, Malta Enterprise, Malta

Montenegro on the path of the economic development through sustainable development

Dr. Miomir Mugosa, Mayor, City of Podgorica, Montenegro

Cooperation between Slovenia and Switzerland for transferring technologies of renewable energies from Switzerland to Slovenia

M.Sc. Bogomir Filipic, Director, Regional Development Agency of Gorenjska region, BSC Kranj, Slovenia

Auroville, a model of sustainable development city

Mr. Pashi Kapur, Auroville, India

13:00 – 14:30 **Networking Lunch at the Olympic Museum Restaurant**



Day II

Wednesday Afternoon – November 11th, 2009

14:30 – 16:00 **Session 5** **Regional Cooperation in Low CO2 Actions & IFGRA Role (Part A)**

Research with the best renewable energy people in Europe – How to participate
Dr. Julian Randall, Euresearch Head Office, Bern, Switzerland

The voluntary financing by taking into account the activities' environmental impacts
Dr. Rolf Jeker, Chairman, MyClimate - The Climate Protection Partnership, Zürich, Switzerland

Current urban sludge treatment situation in China
Prof. & Dr. Guoren Xu, Executive Director of Water & Sludge Centre, State Key Lab of Urban Water Resource & Environment, Harbin Institute of Technology, Harbin, China

Partnership's opportunities with Morocco for sustainable development
Mr. Taha Balafrej, Consultant, Morocco

Success of solar concentrators in India from domestic to community to institutional cooking and its new horizons in process and power generation
Dipl. Ing. Deepak Gadhia, Managing Director, Gadhia Solar Energy Systems pvt. Ltd. Gujarat, India

Territorial energy planning tools linked to renewable energies integration – Potential evaluation and integration solutions using georeferenced (i.e. spatial) approach
Dr. François Maréchal, Industrial Energy Systems Laboratory, Institute of Mechanical Engineering EPFL, Lausanne

16:00 – 16:30 **Networking coffee break**

16:30 – 18:00 **Session 6** **Regional Cooperation in Low CO2 Actions & IFGRA Role (Part B)**

The role of IFGRA (International Federation of Green Regions Association)
Mr. Daniel Brélaz, Chairman of IFGRA, Mayor of Lausanne, Switzerland

Legal aspects of promoting the use of renewable energies
Dr. Alberto Aronovitz, Staff Legal Advisor, Swiss Institute of Comparative Law, Dorigny-Lausanne, Switzerland &

Promotion of the use of energy from renewable sources under European Union Law
Prof. Dario Pettinato, European Union Law and Int'l Trade Law, University of Catania, Italy

A comparative overview on legal measures concerning CO2
Dr. Lukas Heckendorn, Head of the Legal Division, Swiss Institute of Comparative Law, Dorigny-Lausanne, Switzerland

REPIC – The Swiss platform for renewable energy and energy efficiency promotion in the international cooperation
Mr. Daniel Zürcher, Head of Section Innovation, Federal Office for the Environment, Bern, Switzerland

Energy policy and/or local democracy
Mr. Jean-Yves Pidoux, Municipal Council, Director of Lausanne Utilities, Lausanne, Switzerland

Moderated by Dr. Kaj Noschis, Partner, Colloquia, Lausanne, Switzerland

FOR IFGRA Members

The Steering Committee meeting will take place in the Auditorium from 18:00 to 18:30.

20:00 – 23:00 **Gala Dinner**

Buffet dinner at the Olympic Museum Restaurant (*North Entrance on restaurant level*)



Day III

Thursday Morning – November 12th, 2009

09:00 – 09:30 **Registration**

09:30 – 11:00 **Session 7 Best Practices and Initiatives in Carbon Reducing Technologies (Part A)**

Energy production of dish Concentrating Solar Power (CSP) for rural areas: A potential application as power supply for remote units of Square Kilometre Array (SKA)''

Dr. Walter Pecorella, President's Assistant, Group Ansaldo Nucleare, Italy

Technologies and developments in the field of waste management and sustainable recycling

Dr. Nadia Plata, EPTES Sàrl Environmental Services & Equipments, Vevey, Switzerland

Torrefied biomass fuels – Combustion properties and commercial perspectives

Prof. Jean-Bernard Michel, Institute of Thermal Engineering, School of Business & Engineering Vaud, Switzerland

Renewable electrical energy out of biomass

Mr. Martin Schaub, CEO, CTU, Winterthur, Switzerland

The Energy Efficiency Cogeneration (Enefcogen®) System - Combined heat and power from renewable energies

Dr. Malick Kane, CEO, Eneftech Innovation, Lausanne, Switzerland

A new way of saving energy by combining heat pumps and solar thermal energy in housing

Mr. Pierre Porchet, Head of Energy Efficiency, Romande Energie, Morges, Switzerland

11:00 – 11:30 **Networking coffee break**

11:30 – 13:00 **Session 8 Best Practices and Initiatives in Carbon Reducing Technologies (Part B)**

Production of renewable energy out of waste

Ms Sylviane Lebet, Director, Geneltec SA, Engollon, Switzerland

Promotion of small size biogas plants in villages of Varto District

Mr. Turabi Bingöl, Varto Foundation, Varto, Turkey

How to reduce CO2 emission by the use of new technology

Mr. Andreas Meier, Sales & Marketing Manager, Mycom Intertec AG, Zug, Switzerland

Combining Italian and Swiss technologies in the renewable energy field

Ing. Michelangelo Giuliani, CEO, REDAM S.r.l., Avellino, Italy

The real stakes of renewable energies

Dr. Isabelle Chevalley, President "Ecologie Libérale", St-George, Switzerland

Moderated by Dr. Kaj Noschis, Partner, Colloquia, Lausanne, Switzerland

13:00 – 14:30 **Networking Lunch at the Olympic Museum Restaurant**



Thursday Afternoon – November 12th, 2009

Special session for Euresearch / Environment



your Swiss guide to European research

14:30 – 16:00 **Session 9 Access to Financing Environmental Projects**

How does weather data contribute to climate?

Name to be confirmed, World Meteorological Organisation (WMO), Geneva, Switzerland

Find proof for climate change

Dr. Christoph Ritz, Swiss Academy of Science, Switzerland

Do we share equal access prediction of earthquakes? (Experiences of FP7 projects)

Dr. Jochen Wössner, ETHZ, Zürich, Switzerland

Creating a global alliance for disaster and risk prevention

Dr. Walter Ammann, CEO, Global Risk Forum GRF, Davos, Switzerland

Opportunities for International cooperation within FP7

Dr. Marion Tobler, National Contact Point Environment, Euresearch

Synthesis on SESEC VIII

Prof. Jan Kubes, IMD, Lausanne, Switzerland

Moderated by

Dr. Kaj Noschis, Partner, Colloquia, Lausanne, Switzerland

16:00 – 16:30 **Closing networking drinks**

FOR IFGRA Members: *The fourth General Meeting will take place in the Auditorium from 16:30 to 17:30.*

17:30 Official End of Symposium
