



# COURSE FOR SUSTAINABILITY

STRATEGIES, METHODOLOGIES, POLICIES AND ACTIONS FOR CENTRAL AND EASTERN EUROPE

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Module 2

# Energy and Industry

January 23 - February 3, 2006

Location: Venice International University, San Servolo Island, Italy

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## Module Two - Energy and Industry

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### Learning Objectives

By the end of the module participants will:

- Understand the roles and responsibilities of firms of all sizes in development, and be able to cooperate with, and bring them in to, the SD process;
- Understand the dimensions of climate change and related policies and tools;
- Be able to participate in economic instrument and policy design;
- Understand and be able to foster – through programmes and policies - socially and environmentally-responsible businesses;
- Understand policies and market tools that will promote sustainable production in energy and industry;
- Understand local and global environmental and social externalities and how to internalise them; and
- Be aware of the impacts industry and energy production have on communities.

# Course Agenda

## **Theme: Introduction to Energy Issues**

Lecture: The Global Energy Challenge (Alexios Antypas and Diana Urge-Vorsatz, Central European University)

Lecture: Global Trends in Energy Policy and the EU Energy Policy (Paolo Bertoldi, European Commission Directorate General Joint Research Centre)

Role Play Exercise: Good Governance Workshop (Stephen Stec, Regional Environmental Center and Alexios Antypas, Central European University)

## **Theme: Renewable Energy I**

Workshop: Debrief from Good Governance Workshop (Stephen Stec, REC and Alexios Antypas, CEU)

Lecture: Creating Market Conditions for Renewables (Laura Bano, University of Padua)

Lecture: Renewable Energy: Wind (Cosimo D' Ayala Valva, Italian Vento Power Corporation)

Site Visit: VESTA Integrated Treatment Plant and the Use of Refuse Derived Fuel (RDF) in the ENEL Thermal Power Plant of Fusina, Marghera-Venice (Adriano Marchini, Venice Environmental Services, and Bruno Brozzi, National Electricity Board)

## **Theme: Renewable Energy II**

Lecture: Renewable Energy: Solar (Aldo Iacomelli, ISES ITALIA - Section of International Solar Energy Society)

Lecture: Biomass - Potential, Drivers and Barriers in Central and Eastern European Countries (Alice Sedmidubsky, Austrian Energy Agency)

Lecture: Renewable Energy: A Survey of the Possibilities and their Potentials (Diana Urge-Vorsatz, Central European University)

Tutorial: Participants' Experiences with Initiatives and Policies for Renewables (participants and lecturers as facilitators)

## **Theme: Energy Efficiency: Policies and Tools**

Lecture: Kyoto Protocol and the EU Emissions Trading Scheme: Developments and Drivers (Barbara Buchner, Fondazione Eni-Enrico Mattei)

Lecture: The Kyoto Protocol and its Implications for Policy and Practice (Diana Urge-Vorsatz, CEU)

Lecture: Ingredients of Sustainable Energy Policy: Instruments to Promote Energy Efficiency and Renewables (Diana Urge-Vorsatz, CEU)

Lecture: Energy Efficiency in Central and Eastern Europe (Diana Urge-Vorsatz, CEU)

**Theme: Energy Efficiency in Practice**

Lecture: Energy Efficiency in Industry: Case Studies (Zeljka Medven, Regional Environmental Center, Country Office Croatia)

Case studies: Emissions Trading Schemes in Central and Eastern European Countries (Jozsef Feiler, Head of Department of Climate Policy, Hungarian Ministry of Environment and Water)

Tutorial: Participants' Experiences with Energy Efficiency Initiatives and Policies (participants and lecturers as facilitators)

Workshop: Energy Debrief (morning lecturers and tutors)

**Theme: Energy and Industry: Selected Crosscutting Issues**

Lecture: The European Transport Policy: Introduction and Case Studies (Paolo Costa, Committee on Transport and Tourism, EU Parliament)

Lecture: European Policy for Infrastructure Financing (Mario Volpe, Ca' Foscari University of Venice)

Panel Discussion: Social, Health and Environmental Issues around the Industrial Zone of Porto Marghera (Ignazio Musu, Venice International University, chairman; Margherita Turvani, Venice University Institute of Architecture; Stefano Della Sala, Port of Venice; Antonio Marcomini, Ca' Foscari University of Venice; and Stefano Micelli, VIU)

**Theme: Policies for Sustainable Industry**

Lecture: Corporations and Sustainable Development; Globalization and the WSSD (Aleg Cherp, Central European University)

Lecture: European Policies for Sustainability in Industry (Robert Nemeskeri, Regional Environmental Center)

Lecture: Italian Policies for Sustainability in Industry (Paolo Soprano, Italian Ministry for Environment and Territory)

Tutorial: Participants' Experiences with Industrial Policies in their Own Countries (participants and lecturers as facilitators)

**Theme: Tools and Methodologies to Promote Sustainability in Industry**

Lecture: Policy and Management Tools for Industrial Sustainability (Aleg Cherp, CEU)

Workshop: The Triple Bottom Line – Balancing Corporate Performance Against Economic, Social and Environmental Parameters (Aleg Cherp, CEU)

**Theme: Industry Approaching Sustainability - Practical Site Visit**

Site Visit: to Unindustria (Industrial Association of Venice) and to a “Cutting Edge Firm”, Galvene S.p.A.

Lecture: The Industrial Association's Role in Promoting Sustainability Through a Local Financing System (Elena Bonafé, Unindustria Venezia)

Lecture: The Experiences of Galvene S.p.A. in Meeting EMAS Standards (Giorgio Montresor, Galvene S.p.A.)

Site Visit to Galvene S.p.A., Noale (Ve)

**Theme: Towards Sustainability in Energy and Industry**

Lecture: Working with Industry (Raymond Tavares, Coordinator, Technology Services Unit ICS-UNIDO)

Workshop: Working with Industry, Finding Leverage Points and Motivating Change (Raymond Tavares, Coordinator, Technology Services Unit ICS-UNIDO)