



# COURSE FOR SUSTAINABILITY

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

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## Module 2

# Energy and Industry

January 22 - February 2, 2007

Location: Venice International University, San Servolo Island, Italy



Ministry for the Environment  
Land and Sea



VENICE ■ INTERNATIONAL UNIVERSITY



THE REGIONAL ENVIRONMENTAL CENTER  
for Central and Eastern Europe

AG R N N O V A



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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 and Global Trends in Energy Policy (Diana Urge-Vorsatz, Central European University)

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

Role-play Exercise: Good Governance Workshop (Alexios Antypas, Central European University)

## **Theme: Renewable Energy I**

Workshop: Debrief from Good Governance Workshop (Alexios Antypas, Central European University)

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

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

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)

## **Theme: Renewable Energy II**

Lecture: Renewable Energy: Solar (Roberto Barile, EniTecnologie S.p.A.)

Lecture: Renewable Energy: Bio-fuels (Grzegorz Kunikowski, EC BREC)

Lecture: Renewable Energy: Biogas (Roel Slotman, Envitec Biogas)

Lecture: Renewable Energy: Wind (Cosimo d' Ayala Valva, Italian Vento Power Cooperation, IVPC)

Tutorial: Participants' Experiences with Initiatives and Policies for Renewables (Participants and Lecturers as Facilitators)

## **Theme: Climate Change; and Energy Efficiency**

Lecture: Sustainable Energy Strategies for Central and Eastern Europe (Diana Urge-Vorsatz, Central European University)

Lecture: The Kyoto Protocol and its Implications for Fostering Sustainable Energy Options in CEE (Diana Urge-Vorsatz, Central European University)

Lecture: Emissions Trading Schemes in Central and Eastern European Countries (Jozsef Feiler, Hungarian Ministry of Environment and Water)

Tutorial: Participants' Experiences (Participants and Lecturers as Facilitators)

**Theme: Partnerships and Policies for Renewable Energy and Energy Efficiency**

Lecture: Renewable Energy and Efficiency Partnership (Judit Balint, the Regional Environmental Center for Central and Eastern Europe)

Tutorial: Participants' Experiences with Energy Efficiency Initiatives and Policies (Damir Stambuk, Zdravko Stojanovic, Monica Slusarska, Tolga Yakar, Andreea Cazacioc, Dumitra Mereuta, and lecturers as facilitators)

Lecture: European Energy Policies with Particular Interest in Sustainability (Paolo Bertoldi, European Commission)

Workshop: Energy Debrief (Facilitated by Paolo Bertoldi, European Commission)

**Themes: Energy Efficiency in Industry; and an Introduction to Sustainability in Industry**

Lecture: Urban Sustainability and Energy Efficiency in Industry (Vedran Krstulovic, EIHP)

Lecture: Vision for Sustainable Industry (Aleh Cherp, Central European University; Andrius Plepys, Lund University)

Lecture: Policy and Management Tools for Industrial Sustainability – Part I (Aleh Cherp, Central European University; Andrius Plepys, Lund University)

Tutorial: Participants' Experiences Working With Industry (Participants and Lecturers as Facilitators)

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

Lecture: Policy and Management Tools for Industrial Sustainability – Part II (Aleh Cherp, Central European University; Andrius Plepys, Lund University)

Lecture: Policies for Sustainable Industry (Aleh Cherp, Central European University; Andrius Plepys, Lund University)

Workshop: Beyond Policies: from Commitment to Communication (Aleh Cherp, Central European University; Andrius Plepys, Lund University)

**Theme: Industrial Site Challenges - a Case Study**

Lecture: Introduction of Industrial Zone of Marghera (Ignazio Musu, Ca Foscari)

Panel Discussion: Social, Health and Environmental Issues Around the Industrial Zone of Porto Marghera (Isabella Scaramuzzi, Coses; PierPaolo Favaretto, Coses; Margherita Turvani, IUAV, Giovanni Artico, Regione Veneto; Enzo Merler, AULSS 16)

Site Visit: Porto Marghera (PierPaolo Favaretto, Coses, Francesca Radin, VIU)

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

Site Visit: Departure for Unindustria (Industrial Association of Venice)

Lecture: The Environmental Issue in Italy (Dina Miglioranzi, Unindustria Venezia)

Site Visit: The Experiences of Depuracque in Meeting EMAS Standards

**Theme: Towards Sustainability in Industry**

Lecture: Working with Industry in CEE (Igor Mitroczuk, Polish Ministry of Economy)

Workshop: Working with Industry, Finding Leverage Points and Motivating Change (Igor Mitroczuk, Polish Ministry of Economy)