



VIU

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University

TEN Center

Thematic
Environmental
Networks

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CASS Training Program
Energy Efficiency and Renewable Energy
November 6 - 20, 2010

Course Agenda

Theme: Solar Energy

Site Visit: Concentrating Solar Power (ENEA Casaccia)

Lecture: ENEA Mission and Main Activities (F. Fabrizi, ENEA)

Lecture: A New Approach to Concentrating Solar Plant (CSP) by ENEA (P. Tarquini, ENEA)

Lecture: An Overview of the Research Activities of the "Biomass and Bioenergy Lab": Biological Hydrogen Production as a Promising Source of Renewable Energy (C. Varrone, ENEA)

Theme: Venice History and its Environment; Geothermal Energy

Lecture: History of Venice: Urban and Environmental Aspects (F. Zennaro, TEN Center)

Lecture: Geothermal Energy: from the Heart of the Earth. Geothermal Energy Discovery (R. Bertani, ENEL Green Power, International Geothermal Association)

Lecture: Geothermal Energy: from the Heart of the Earth. Geothermal Energy in China (R. Bertani, ENEL Green Power, International Geothermal Association)

Theme: Economics of Energy; Renewable Energy: Photovoltaic

Lecture: Energy Efficiency and Load Management: Some Basic Concepts and the Need for Policy Intervention (M. Pavan, Italian Regulatory Authority for Electricity and Gas)

Lecture: Energy Saving Obligations and White Certificates for the Promotion of End-use Energy Efficiency (M. Pavan, Italian Regulatory Authority for Electricity and Gas)

Lecture: Photovoltaic Plants: Key Elements, Trends and Critical Aspects (F. Bignucolo, Galilea s.r.l.)

Theme: Wind Energy; Industrial Area Redevelopment

Lecture: Wind Energy and the Energy Market (L. Pirazzi, ANEV)

Lecture: Introduction to the Site Visit to the Industrial Area of Porto Marghera (G. Palma, EZI)

Site Visit to Porto Marghera: Industrial Area Management (G. Palma, EZI)

Theme: Ecobuilding and Energy Efficiency; Ecobuilding in Practice

Lecture: Main Principles of Eco-building (F. Zaggia, Favero & Milan Engineering)

Lecture: Energy Efficiency in Requalification Processes (J. Gaspari, Venice University Institute of Architecture, IUAV)

Site Visit: Architecture & Technology. The TIFS Ecobuilding (R. Zecchin, University of Padua)

Theme: Renewable Energy and Energy Efficiency at the Local Level

Lecture: The Photovoltaic Plan of Venice Port Authority (G. Mattiello, IMELS Consultant)

Lecture: Energy Efficiency and Renewable Energy Policies at Urban Scale: the Padova Case Study (L. Bano, Galileia S.r.l.)

Site Visit to Integrated Waste Treatment Plant in Fusina (A. Marchini, Veritas S.p.A. and F. Faraon, Idecom S.r.l.)

Theme: Renewable Energies and Energy Efficiency

Lecture: Life Cycle Assessment of Energy Systems (A. Blengini, Polytechnic of Turin)

Lecture: Carbon Balance and Environmental Comparison of Four Agro-energy Chains (A. Blengini, Polytechnic of Turin)

Lecture: Energy Efficiency and Renewable Energies in Turin Province (S. De Nigris, Province of Turin, Air quality and Energy Resources Department)

Theme: Energy Efficiency: Cogeneration

Site Visit to Cogeneration Plant in Moncalieri (A. Barbierato, Gruppo Iride Energia)