



COURSE FOR SUSTAINABILITY
STRATEGIES, METHODOLOGIES, POLICIES AND ACTIONS

Module 2

Sustainability of Natural Resources

July 12-20, 2008

Location: Venice International University, San Servolo Island, Italy



VENICE ■ INTERNATIONAL UNIVERSITY



Module Two - Sustainability of Natural Resources

Learning Objectives:

- Understand multiple dimensions and impacts of resource use, and be able to differentiate between sustainable and unsustainable use of natural resources and limits to growth.
- Understand the ecosystem functioning in order to better balance the production of goods and resource consumption.
- Understand transboundary issues linked to the use of natural resources.
- Understand the role of local communities in natural resources management, and their engagement and be able to develop implementation tools at the national level
- Understand the impacts that the policies and programmes of central governments and regional agencies have on water use.
- Understand the policies and the sustainable models of productions in agriculture and its impacts.
- Be able to apply sustainable criteria when designing policies and programmes that will affect natural resource use, and gain insight into the sustainability of sectoral policies, programmes and projects.
- Consider social, environmental and economic factors and effects when making resource-use-related decisions.

Course Agenda

Saturday, July 12th

Participants arrive.

Sunday, July 13th

9:30 - 17:00 – *Sightseeing tour of the islands of the Venice lagoon*

Monday, July 14th

Theme: Public Health

9:00 - 9:30 – Opening Remarks, Orientation Session and Participants Introduction

9:30 - 10:30 – *Common Lecture: Introduction to Public Health* (M. Martuzzi, World Health Organisation)

10:30 - 11:00 – *Discussion*

11:00 - 11:20 – *Coffee Break*

11:20 - 12:20 – *Lecture: Health Effects of Highly Mineralized Drinking* (M. Martuzzi, World Health Organisation)

12:20 - 12:50 – *Discussion*

12:50 - 14:00 – *Lunch*

14:00 - 17:00 – *Site Visit: Venice Lagoon - Natural Resources and Human Activity* (VIU staff)

19:30 – *Welcome Dinner*

Tuesday, July 15th

Theme: Water Management and Rural Development

9:15-10:15 – *Common Lecture: Introduction to River Basin Management and its Implications to Rural Development in the EU* (E. Bellinger, CEU)

10:15 - 10:45 – *Discussion*

10:45 - 11:15 – *Coffee Break*

11:15 - 12:15 – *Lecture: Trans-boundary Water Cooperation* (E. Bellinger, CEU)

12:15 - 12:45 – *Discussion*

12:45 - 14:00 – *Lunch*

14:00 - 17.00 – *Facilitated Group Work*

Wednesday, July 16th

Theme: Energy Challenges

- 9:15- 10:15 – *Common Lecture: Global Energy Challenges in the 21st Century* (A. Bigano, FEEM)
- 10:15 – 10:45 – *Discussion*
- 10:45 – 11:15 – *Coffee Break*
- 11:15 - 12:15 – *Lecture: Strategic Energy Planning in Europe - a Case Study on Italy and Some Considerations on Kazakhstan* (A. Bigano, FEEM)
- 12:15 – 12:45 – *Discussion*
- 12:45 - 14:00 – *Lunch*
- 14:00 – 17:00 – *Site Visit: Energy Plan at Local Level: Case Study of Padua* (Fornea, Municipality of Padua)

Thursday, July 17th

Theme: Industrial Sustainability

- 9:15 - 10:15 – *Common Lecture: Health Impacts of Industry - the Case Study of Porto Marghera* (E. Merler, USL Padua)
- 10:15 – 10:45 – *Discussion*
- 10:45 – 11:15 – *Coffee Break*
- 11:15 - 12:15 – *Common Lecture: Industrial Ecology* (I. Mannino, VIU)
- 12:15 – 12:45 – *Discussion*
- 12:45 - 14:00 – *Lunch*
- 14:00 – 17:00 – *Facilitated Group Work*

Friday, July 18th

Morning Theme: Climate Change

- 9:15-10:15 – *Lecture: Climate Change: The Need for Action* (B. Buchner, IEA)
- 10:15 – 10:45 – *Discussion*
- 10:45 – 11:15 – *Coffee Break*
- 11:15 – 12:15 – *Lecture: Climate Change: Effects on Agriculture, Plant Diseases, Land Use* (M.L. Gullino, Agroinnova)
- 12:15 – 12:45 – *Discussion*
- 12:45 - 14:00 – *Lunch*

Afternoon Theme: Industrial Sustainability

- 14:00 - 17:00 – *Site Visit: Industrial Remediation: the Case of Porto Marghera* (G. Mattiello, Vega - VEGA - Venice Science & Technology Park)

Saturday, July 19th

Theme: Urban Sustainability

9:00 - 10:30 – *Common Lecture: What is a Sustainable City? Lessons Learned in the EU* (J. Van der Borg, Ca' Foscari University)

10:30 - 11:00 – *Discussion*

11:00 - 11:30 – *Coffee Break*

11:30 - 13:00 – *Discussion and Wrap up* (VIU, REC, CAREC staff)

13:00 – *Lunch*

Evening: Redentore Festival in Venice

Sunday, July 20th

Participants Depart