

# PROF. DIANA ÜRGE-VORSATZ

*Msc, PhD.*

## **Work Address:**

---

Dept. of Environmental Sciences and Policy  
Central European University (CEU)  
Budapest, H-1051, Nádor u. 9., HUNGARY  
Email: vorsatzd@ceu.hu  
Ph: (36)-1-327-3095, or x3021  
FAX: (36)-1-327-3031

## **Education**

---

**Doctorate in Environmental Science and Engineering (D.Env.),** 1992-1996  
University of California, [Los Angeles](#) and [Berkeley](#)

**[Fulbright Scholar](#),** 1993-96  
University of California, Berkeley: Energy and Resources Group

**Postgraduate Program in Environmental Sciences**  
[Central European University](#) (CEU), June-August 1992

**Master of Science,** Physics, 1986-92 (specialization: Astrophysics; later Environmental Physics)  
[Eötvös Lóránd University of Sciences \(ELTE\)](#), Budapest

**Visiting Student** at [Brunel, the University of West London](#), Academic Year 1990-91:  
Graduate courses in Environmental Pollution Science and research in environmental physics

## **Employment Experience**

---

- **Director of the PhD program,** Dept. of Environmental Sciences and Policy, Central European University (CEU), 2002 –
- **Acting Head of Department,** Dept. of Environmental Sciences and Policy, Central European University (CEU), 2001 – 2002.
- Associate Professor, CEU, July 2001 – date.
- Assistant Professor, CEU, Jan 1996- 2001.
- Research Assistant, Energy Forecasting Group, [Energy and Environment Division, Lawrence Berkeley National Laboratory \(LBNL\)](#), Fall 1994 - 1996.
- Research Assistant, Heat Islands Project , [UCLA and LBNL](#). Winter and Spring, 1994.
- Instructor and Lecturer, Dept. of Environmental Sciences and Policy, [CEU](#). Summer 1994.
- Research Assistant, International Energy Studies, Energy and Environment Division, [LBNL](#). Fall 1993.
- Teaching Assistant, Summer Graduate Program in Environmental Science and Policy, [CEU](#), 1993.
- Teaching Assistant, [UCLA](#) Department of Physics, Spring Quarter 1993.
- Teaching Assistant at the Department of Astronomy, [Eötvös University](#), 1988-1990.
- Assistant for [Bechtel Corporation](#) at the **Nuclear Power Plant in Paks**, Hungary, Summer 1990.
- Research Assistant at the Central Research Institute of Astrophysics, Potsdam, Germany. Summer, 1989.

## **Further Teaching and Lecturing Experience** (see also Employment Experience)

---

- Teaching several courses at [CEU](#) (see list in Appendix I.)
- Supervised over 100 MSc Theses; supervising 4 PhD theses, Dept. of Env. Sci, CEU.
- External Dissertation Committee member of PhD and MS dissertations for universities around the world, including the *Corvinus University of Hungary*, the *Budapest Technical and Economic University*, and the *University of Delaware*.
- Regular guest lecturer on energy and climate change policy at the [School on Sustainable Development](#) for senior environmental policy-makers, [Venice International University](#) and the

- [Regional Environmental Center](#), 2004 to date.
- Participated in training senior NGO leaders in capacity building initiatives organized by the **Regional Environmental Center (REC)**, 2006.
- External committee member of PhD dissertations from around the world, including the Budapest Technical University, the Corvinus University, and the University of Delaware, USA.
- Invited lecturer, Leadership for Environment and Development (**LEAD**) program, 1999.
- Invited lecturer, Program for Environmental Management, Cluj Technical University, 1998.
- Invited speaker, Institute for International Studies, **Stanford University**, 1996 April.
- Guest lecturer, **UC Berkeley**, several lectures, "Environmental Policy and Regulation in Europe", 1995 and 1996.
- Invited speaker, International and Area Studies Seminar, Center for West European Studies, **UC Berkeley**, May 1995.
- Guest lecturer, San Francisco State University, "Environmental Problems and Their Solutions", April 1995.
- Invited speaker, **World Affairs Council**, April 1995.

## Research Experience

---

Advising the Hungarian Government on the potential introduction of a *Green Investment Scheme* in Hungary. For the Hungarian Ministry of Economy and Water, 2006-2007.

Ex-post assessment of policy instruments applied in the building sector to enhance energy efficiency worldwide. 2006 – 2007. Second phase of project supported by UNEP.

Evaluation of Energy Service Companies (ESCOs) for the [World Energy Council's \(WEC\) Energy Efficiency Policies and Indicators initiative](#). Contract with [Ademe](#), 2006 - 2007.

Hungarian **project leader** for EC supported project (6<sup>th</sup> Framework Program), "Staccato". 2007 – 2009.

Hungary **project manager** of several multi-country projects running under the framework of the **Energy Intelligent Europe** scheme, 2006 - 2008:

- [El-Tertiary](#)
- [Remodece](#)
- [Enerlin](#)
- Participation in [EuroWhiteCert](#).

Advising the **Hungarian Government** on *long-term climate change strategy*. Carried out the background research on the international scientific and political framework for Hungarian climate change commitments and mitigation options. 2004 – 2005.

**Project Director and consortium leader**, "[The impact of structural changes in the energy sector of CEE countries on the creation of a sustainable energy path](#)". Project carried out for the contract with the **European Parliament**.

Hungary **project manager** of *4Celectricity*: "[Carbon Consciousness and Consumer Choice in Electricity](#)". A 7-country, 7-institute project funded by the *European Union's ALTENER* scheme, coordinated by [Oxford University's Environmental Change Institute](#). Project period 2002-03.

Analysis of European urban sustainability projects and networks: success factors and barriers to implementation. Joint project with NOVEM, 2001.

Market transformation in Hungarian residential lighting: analysis of the drivers, identification of key market barriers, and implications for program design and market barrier taxonomy. Resulted in journal articles and book chapters.

Evaluation of the impacts of CEE electricity sector privatisation, restructuring and liberalisation on sustainability: trends in energy efficiency and renewable energy. Resulted in journal articles, conference presentations. Partially funded by a CEU Research Grant.

EU funding opportunities for remediation needs in Hungary: research contract by the Hungarian

Ministry of Environment and Water Management, May – November 2002.

Analysis of the Hungarian municipal lighting sector: technology penetrations; energy efficiency potentials; institutional, behavioural and financial barriers to cost-efficient upgrades. Managed project with app. 30 researchers. Funded by **GEF/IFC** and private sponsors.

Evaluation and comparison of Greenhouse Gas Mitigation studies in an engineering-economic framework of Central European countries. Resulted in an invited review article for the International Energy Agency (**IEA**) and the Department of Energy (**DOE**) of the US.

Economics of Greenhouse Gas Limitations: Hungary Country Study. Coordinated research, and edited the final report. Project financed by **GEF/UNEP**. In collaboration with the Budapest Technical University, Project Coordinator: Dr. Janos Szlavik. A Hungarian edition has been published partially funded by the Hungarian Ministry of the Environment and **RISOE**, the UNEP collaborating Center for Energy and Environment.

Direction of the research team designing the \$1.25 million Hungarian component of a 7-country **GEF/IFC** Initiative on efficient lighting (ELI); appraisal and pre-appraisal phase. ELI aims to remove barriers hampering the wider penetration of energy-efficient lighting technologies in developing countries and transition economies.

Restructuring of CEE (Central and Eastern Europe) energy sectors: decentralisation, deregulation, liberalisation, privatisation. Comparison of restructuring pathways taken around the region, and their long-term economic, social and environmental impacts.

Market transformation: market barriers to the penetration of efficient end-use technologies; policies and programs to overcome market barriers. An analysis of the Hungarian and Lithuanian efficient lighting markets.

Analysis of policy scenarios for carbon mitigation in CEE. Coordination and analysis of a detailed macroeconomic and energy data collection for all CEE countries for a GEM operated by the Potsdam Institute for Klimaforschung (PIK). In collaboration with Dr. Ferenc Toth at PIK.

Collection of energy efficiency indicator data for CEE countries. Raised funding, and managed a team of 7 CEU students. Project financed by the International Energy Agency (IEA).

Media and the environment in the CEE. In collaboration with Miklos Sukosd of the Political Science Dept. of the CEU, and the Regional Environmental Center.

The perception of nuclear and genetically engineered risks in CEE countries, in comparison with the perception of those in industrialized countries. In collaboration with Prof. Brian Orton, Brunel University, and Prof. Sjoberg, Center for Risk Research, Stockholm. Research related to the environmental impacts of genetically engineered products: in collaboration with ISIS (Center for Integrated Studies, Maastricht University).

**Doctoral Dissertation:** “Evaluating US Residential and Commercial Electricity Conservation Potentials: an Analysis of the Lighting Sector”. Energy Conservation Supply Curves: calculation of the energy savings potentials in the US residential and commercial electricity sectors by the implementation of cost-effective efficient energy technologies. Database analysis of a detailed end-use breakdown; technology and cost evaluations; market assessment. Under the supervision of Jon Koomey, Lawrence Berkeley National Laboratory (LBNL) Sept. 1994 - Dec. 1996.

Update of the Residential Electricity Conservation Potential Analysis for the US, projections for 1995-2010, using the conservation supply curve method. Under the supervision of Jon Koomey, LBNL, 1994-95.

Assessment of a massive tree planting program in the Los Angeles basin to improve air pollution measures and mitigate the urban heat island effect with the aid of a Geographical Information System (GIS). Under the supervision of Prof. Arthur Winer at UCLA; January-June 1994

Trends of energy use in Estonia 1980-93. Sectoral and activity analysis, international comparisons, potentials for reducing energy intensity and energy conservation. Conclusions for economies in transition. (under the supervision of Lee Schipper, Energy and Environment Division, Lawrence

Berkeley Laboratory)

**Master's Thesis:** Environmental Impact Assessment of the proposed Nuclear Waste Deep Repository Site in Hungary. Modeling of groundwater flows, transport and fate of radioactive leakages, risk estimations for drinking water resources.

### Previous Research Experience

---

- Investigations of the physical damage mechanism of  $^{125}\text{I}$  contamination in the human thyroid gland, involving low energy transitions. EXAFS (Extended Range X-ray Absorption Fine Structure) studies of the Thyroxin hormone.
- Comparative analysis of the radioiodine contamination of the rivers Danube and Thames in the metropolitan areas of Budapest and London. Low intensity Gamma-ray spectrometry. Correlations with discharges of biomedical institutions. Collaborative project with Brunel, the University of West London.
- EXAFS investigations of certain alloys at the solid-liquid transition.
- Computation of the correlation function of large scale structures of the universe.
- Tests of possible luminosity functions of quasars.

### Membership in Governing and Advisory Bodies

---

- Member of the [United Nations Foundation](#)'s **Expert Group** on Energy Efficiency: "Bringing Energy Efficiency to Scale". 2007, advising the G8 process.
- Member of the [United Nation's Scientific Expert Group on Climate Change, co-sponsored by the Sigma Xi](#) Scientific Research Society. 2004 – 2007.
- **Associate Editor**, *Journal of Energy Efficiency*, Springer. 2006 -.
- Member of the **Advisory Board** of the [UK Energy Research Centre, 2005 – 2008](#).
- Member of the **Steering Committee** of the [REEEP](#) program (Renewable Energy and Energy Efficiency Partnership), [Central European region](#), since 2005.
- Invited to the **Steering Committee** of the [Energy Efficiency 21 Project](#) of the [UN ECE](#) (United Nations Economic Commission for Europe), 2006
- Member of the **Governing Board** of the international NGO [Collaborative Labelling and Appliance Standards Program \(CLASP\)](#), 2003 – present.  
Alternative member of the Board of Directors, [European Council for an Energy-Efficient Economy, ECEEE](#), 2003 – 2005, 2005 – 2007.
- Four times reelected member of the **Academic Senate** of the CEU, 1998 - 2006.
- **Director of the PhD program**, Fall 2002 – present.
- **Acting Head of Department**, Academic Year 2001-2002.
- Member of the **Advisory Committee** for the **Hungarian Energy Efficiency Cofinancing Program** of the International Finance Corporation (IFC) and the Global Environment Facility (GEF), 2000 – 2004.
- **Chair** of the **Evaluation Board** for The "*Best Environmental Report Award in Central and Eastern Europe*", funded by Deloitte and Touche, 2003-2006. Member of the Evaluation Board, 2004 and 2001.
- Regular evaluator of [Fulbright and Humphrey Fellowship](#) applications for the US, 1996 – 2003.
- **Chair** of the Academic Travel Grants Committee, CEU, 1998 – 2006.

### Other Professional Activities and Academic Services

---

- **Associate Editor**, [Energy Efficiency Journal](#), published by [Springer](#).
- Peer reviewer of proposals for various international grant-giving bodies:
  - [Springer](#), the scientific publisher, for book proposals
  - [Academy of Finland](#), Center of Excellence bids (2006)
  - [UK Economic and Social Research Council \(ESRC\) Large Grants Scheme](#) (2006)
- **Peer reviewer**, for several academic journals, including
  - "Energy Policy",
  - "Climate Policy",
  - "International Environmental Agreements",

- “Energy and Buildings”.
- “Mitigation and Adaptation of Strategies for Global Change”, Springer
- Member of the **Program and Paper Committees**, and **chair** of session(s) at the following conferences (among others):
  - [4<sup>th</sup> Conference on Energy Efficiency of Domestic Appliances and Lighting](#), 2006
  - “[Action on 1 Watt](#)”: the First World Conference on Standby Consumption, 2005;
  - 2<sup>nd</sup> European conference on Energy Service Companies (ESCOs), 2005;
  - “Action on 1 Watt”, first international conference on Standby Power, March 2005;
  - 3<sup>rd</sup> Conference on Energy Efficient Domestic Appliances and Lighting (EEDAL), Sept 2003;
  - 1<sup>st</sup> European conference on Energy Service Companies (ESCOs), May 2003;
  - 2<sup>nd</sup> European Conference on Commercial Buildings, May 2002;
  - “Right Light 4” the Fourth International Conference on Energy Efficient Lighting, 1997.
- Invited expert, European **COOL** (Climate Options for the long term) project on the design of long-term climate-related policies for Europe. 1999-2000
- Regularly **chairing PhD dissertation defenses** at other departments of the CEU
- Organiser, Chair of Day 2, and Rapporteur of the Economics Discussion Group, Conference “Rivers of Life, Rivers of Death: Transboundary Environmental Incidents in Central and Eastern Europe” . Budapest, April 2000.
- Member of the External Grants Committee, CEU, 1997 – 1999.
- Organizer and Chair, Media and Environment Conference, CEU Budapest, May 1997.
- Invited Independent Expert, Evaluation of the annual Earmarked Grants, the Regional Environmental Center (REC), August 1996.
- Chair, Section on Environmental Attitudes and Risk Perception, "East-West Harmonisation of the Measurements of Radioactive Contamination", EEC workshop, Budapest, September 1-4. 1994.
- Member of selection committees to evaluate applications for several purposes, including scholarships to the OSI's (Open Society Institute) *Local Governance Initiative*, CEU student applications for several departments, CRC (Curriculum Resource Center) awards, ERSS (Environmental Research Support Scheme) grants, CEU student thesis research grants, others.

### **Honors, Awards, Fellowships**

---

- Member of the [United Nation's Scientific Expert Group on Climate Change](#), co-sponsored by the **Sigma Xi** Scientific Research Society. **2004 – 2007**.
- **Coordinating Lead Author**, Chapter on Residential and Commercial GHG Mitigation, Fourth Assessment Report of the [Intergovernmental Panel on Climate Change \(IPCC\)](#), Working Group III.
- **Expert reviewer**, Fourth Assessment Report of the IPCC, Working Group I.
- **Associate Editor**, [Energy Efficiency Journal](#), published by [Springer](#).
- Contributed to the scoping process of the 4<sup>th</sup> Assessment Report for the **IPCC**
- [International Policy Fellowship](#) from the [Center for Policy Studies](#), Academic Year 2003-2004.
- Journal reviewing experience: *Energy Policy*, *Climate Policy*, *International Environmental Agreements*, *Buildings and Energy*, and others.
- Selected as a member of the **Delta Omega Honorary Society** for outstanding public health professionals.
- **FULBRIGHT Fellowship**, Academic Year 1993-94 and 1994-95.
- Nominated for the Outstanding Graduate Student Award by the faculty of the Environmental Sciences and Engineering Doctorate Program at UCLA.
- **Fellowship of the Central European University** for graduate studies in the USA, 1992-93;
- **Pro Renovanda Cultura Hungariae** Award, 1991
- **EEC TEMPUS** Scholarship, Academic Year 1990-91, Brunel University, UK
- **EEC PECO** (Pays de l'Europe Centrale et Orientale) grant for organizing a workshop for Eastern Europe on East-West environmental harmonisation, 1993-94.
- **The Brief Award**, 1990, UK.

### **Membership in Professional Bodies**

---

- European Council for an Energy Efficient Economy
- Society for Risk Analysis
- International Solar Energy Society
- Invited member in the World Council of Hungarian Professors (Magyar Professzorok Vilagtanacsa), 2004-2005

## Grants Obtained and Funding Raised

---

- ◆ **UNEP:** USD 20,000 for evaluating energy efficiency policy instruments in buildings. 2007.
- ◆ **EU FP6** program, Staccato. *EUR 96,453*. 2007 - 2009
- ◆ **General Electric**, matching funding for the EC supported Enerlin project: *EUR 22,121*.
- ◆ **Energy Intelligent Europe**, European Commission, 2006 - 2008:
  - ◆ Remodece, *EUR 22,546*.
  - ◆ EL-Tertiary, *EUR 27,857*.
  - ◆ Enerlin, *EUR 22,121*.
- ◆ **World Energy Council**, subcontract from Ademe, for assessment of ESCOs worldwide.
- ◆ **European Parliament:** I won a restricted tender for assessing “The impact of structural changes in the energy sector of CEE countries on the creation of a sustainable energy path”, *Euro 34,980*.
- ◆ **Hungarian Ministry of Environment and Water**, HUF 2 million, for long-term assessment of climate change strategy of Hungary.
- **EU Altener:** 47,900 Euros for project “4CElectricity”, coordinated by Oxford Univ.’s ECI
- **4CElectricity** project matched by \$12,000 by the *CEU Research Board*, 2002.
- **CEU Research Board:** \$10,000 for research on the impact of electricity liberalisation on sustainability in CEE, jointly acquired with the Economics Department, 2001.
- **Hungarian Ministry of Environment and Water Management:** 2 M HUF to study EU funding opportunities for remediation needs in Hungary
- **GEF/IFC/private sponsors:** \$17,000 for research understanding the market barriers in Hungarian municipal lighting energy efficiency
- **IFC/GEF:** \$2,600 for pre-appraisal research on ELI project; \$1850 for appraisal research for CEU student team. Fall 1999.
- **IEA/ US DOE:** \$5,000 for an invited review of CEE studies in GHG mitigation. 1999.
- **UNEP/GEF:** \$9,000 for the CEU research team on the Hungary country study. 1997-98.
- **Regional Environmental Center (REC):** Media and Environment (MIS project). \$9600. 1999.
- **CEU Junior Faculty Research Support Scheme**, \$5000, for market transformation research, 1999.
- Sponsorship of **GE Lighting TUNGSRAM** for Hungarian lighting research, app. \$30,000, 1997.
- **International Energy Agency:** \$4150 for CEE energy efficiency indicator data collection. 1997.
- Joint research grant with **PIK (Potsdam Institut für Klimaforschung)**, Potsdam, app. DM 100,000, 1996.
- Sponsorship of **DHV Hungary** for the “Media and Environment” conference, app. \$3,000, May 1997.
- Academic Meeting Fund, CEU, for the conference “Media and Environment”. \$3,000, May 1997.
- Junior Faculty Research Support Scheme, **CEU**, \$4,800, 1996.
- Academic Travel Grant, several awards for conference participation, 1996 and 1997.
- Grant from Prof. J. Sjöberg, **Center for Risk Research**, Stockholm, for risk perception work. 1996-97.
- **HESP** (Higher Education Support Program) grant for lecturing in Russia and Yugoslavia, 1996.
- **EEC PECO** (Pays de l'Europe Centrale et Orientale) grant for organizing a workshop for Eastern Europe on East-West environmental harmonisation, 1993-94.
- **Grant of the Austrian Academy of Science** for conference presentations, Sept. 1992.
- **SERC** (Science and Engineering Research Council, UK) grant for measurements, 1992 and 1993

## Consulting Experience

---

- **Hungarian Ministry of Environment:** Feasibility study for the introduction of a Green Investment Scheme in Hungary. 2006 - 2007
- **Ecofys:** [Active Implementation of the proposed Directive on Energy Efficiency](#) project, evaluation of policy assessment methodology proposed.
- **Hungarian Ministry of Environment:** Contributing to the Fourth National Communication of the Hungarian Republic to the United Nations Framework Convention on Climate Change (UNFCCC). Preparing the chapters on Research, Development, Education, and systematic observations. 2005.
- **European Commission:** Consumer Information on Electricity. Subcontractor to the Environmental Change Institute, Oxford University. 2003.
- **Hungarian Ministry of Environment:** The Third National Communication of Hungary to the UNFCCC (United Nation’s Framework Convention on Climate Change). Authored two chapters.
- **IFC** (International Finance Corporation) and **GEF** (Global Environmental Facility): Efficient Lighting

Initiative (*ELI*). Consultant for implementation: residential market research and program strategy design. Autumn 2000 – Spring 2001.

- **NOVEM** (Dutch Agency for Energy Efficiency): “EU Policy and Sustainable Urban Development”. Literature review; workshop introduction at the SUSTAIN convention. Spring 2001.
- **IFC** and **GEF**: Efficient Lighting Initiative (*ELI*). Hungarian manager of ELI appraisal phase: market research, IFC mission support, project preparation and design, and budget drafting. Fall 1999.
- **GEF/UNEP**: “Economics of Greenhouse Gas Limitations: Hungary Country Study”. Research Coordination and Editor of the Final Report. 1997- 1999.
- **IFC** and **GEF**: Efficient Lighting Initiative (*ELI*). Coordination of Pre-appraisal market research.
- **UNEP** (UN Environmental Programme) GEO-2 (Global Environmental Outlook) Project. Contributing the development of the Alternative Policy Scenarios section, conducted at **RIVM** (the Netherlands’s National Institute for Health and Environment), Fall 1997. Regular review of energy policy sections for CEE (Central and Eastern Europe).
- **EU SAVE** program, CFL Dissemination project, directed by DEFU, Denmark. Fall 1997.
- **IFC/GEF**: Efficient Lighting Initiative. Preparing country background document for Hungary. Fall 1997 - Spring 1998.
- **UNEP**, GEO-1. Review of Central and Eastern European section, Summer 1996.
- **Bechtel Corp.**, Nuclear Power Plant, Paks, Hungary. 1990-91.

**Computer Skills** Pascal, FORTRAN, Basic; DOS, UNIX; Excel, Windows, Word, Power Point, HG, DeltaGraph, others  
Geographical Information Systems (**GIS**): IDRISI  
Database packages: 4th Dimension

**Languages** Fluent in English, German, Hungarian; intermediate Russian.

#### **Additional Activities and Interests**

---

- Founder and moderator, "HIX KÖRNYÉSZ", the electronic environmental science periodical for Hungary since 1995.
- Discussion facilitator, Fulbright Workshop on the Environment, April 14-16, 1994, San Francisco
- Organized the student symposium "Unprotected Nature", supported by REC (Regional Environmental Center for Central Europe); June 1992.
- Regular contributions on environmental issues for Hungarian and European newsletters, papers.
- Hobbies: orienteering, hiking, sports, reading, classical music, arts, bridge.
- Hungarian Champion in Orienteering, 1984.

## APPENDIX I.

### **Lecturing Experience:**

---

Climate change policy and the Kyoto Flexible Mechanisms (Venice International University/REC)  
Sustainable Energy Policy for CEE, (Venice International University/REC)  
Renewable energy policy ((Venice International University/REC)  
Energy Efficiency Policy (Venice International University/REC)  
Advanced Energy and Climate Change Policy, PhD course (CEU)  
International Climate Change Policy, PhD course (CEU)  
Elements of sustainable energy solutions (CEU)  
Challenges for Energy and Climate Policy for the 21<sup>st</sup> Century (CEU)  
Energy, Technology and the Environment (CEU)  
Current Trends in Energy Policy (CEU)  
Renewable Energy (CEU)  
Interdisciplinary Energy Analysis (CEU)  
Introduction into Energy (CEU)  
Introduction into Risk (CEU)  
Urban Air Pollution (CEU)  
European Environmental Policy and Regulation (guest lectures, UC Berkeley)  
Privatisation of the Hungarian Energy Sector (LEAD Europe, 1999)  
Energy and Environment (Eco-Management Program, Cluj, Romania, 1998)  
Environmental Physics (CEU)  
Mathematics and Calculus (CEU)  
Tools of the Trade, or the Art of Interdisciplinary Problem Solving (CEU)

### **Relevant Graduate Courses Taken:**

---

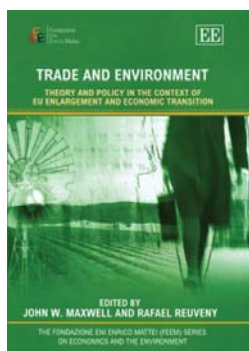
Tricks of the Trade: Interdisciplinary Problem Solving as Profession (UC Berkeley)  
Interdisciplinary Energy Analysis (UC Berkeley)  
Energy Politics (UC Berkeley)  
Energy and Resources Colloquium, 2 Semesters (UC Berkeley)  
European Environmental Policy and Regulation (UC Berkeley)  
Engineering Economics of Water and Related Natural Resources (UCLA)  
Urban Transportation Planning (UCLA)  
Urban Environmental Problems: Water Resources (UCLA)  
Atmospheric Transport and Transformations of Airborne Chemicals (UCLA)  
Fate and Transport of Organic Chemicals in the Aquatic Environment (UCLA)  
Water Quality Control Systems (UCLA)  
Environmental Health (UCLA)  
Toxicology (UCLA)  
Hydrogeology (UCLA)  
Geological Problems of Waste Reposition and Mining (UCLA)  
Engineering Hydrology (UCLA)  
Environmental Assessment for Environmental Planning and Management (UCLA)  
Statistics (ELTE and UCLA)  
Environmental Management (UCLA)  
Environmental Law (UCLA)  
Atmospheric Physics (Brunel University and ELTE)  
Mathematical Ecology (UCLA)  
Ecosystems (ELTE)  
Applied Ecology (UCLA)  
Environmental Science and Engineering Seminar, 4 Quarters (UCLA)

## APPENDIX II. Publications and Key Presentations

### Books, Edited Books and Book Chapters

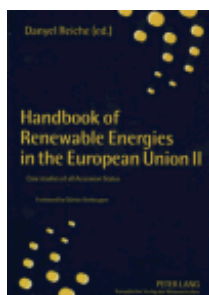
**Intergovernmental Panel on Climate Change (IPCC)**, Fourth Assessment Report (2007): Climate Change: Mitigation. **Cambridge University Press**. Forthcoming, May 2007. Coordinating Lead Author of Chapter 6 (Mitigation in the Residential and Commercial Sectors)

**Intergovernmental Panel on Climate Change (IPCC)**, Fourth Assessment Report (2007): Climate Change: Mitigation: Summary for Policy-Makers. **Cambridge University Press**. Forthcoming, May 2007.



Diana Ürge-Vorsatz, L. Paizs and R. Pesic (2005): Energy and Sustainability in Central Europe: a decade of transition in review. Chapter 11 in: Trade and Environment. Theory and Policy in the Context of EU Enlargement and Economic Transition. Edited by John W. Maxwell, and Rafael Reuveny. Edward Edgar Publishing, 2005. In series: **Economics & the Environment, Fondazione Eni Enrico Mattei (FEEM)**. Pp 227 – 264.

An, M. and D. Ürge-Vorsatz (2004). Mineral extraction, economy and the urban environment: the role of foreign direct investment in economies in transition and developing countries. Human Settlement Development, in Encyclopedia of Life Support Systems (EOLSS). UNESCO, EOLSS Publishers, Oxford.



Ürge-Vorsatz, D., K. Lach, Gy. Kasza (2003). A review of renewable energy in Hungary: opportunities and barriers. in: Handbook of Renewable Energies in EU Accession Countries. Edited by D. Reiche, Peter Lang Publishing.

Ürge-Vorsatz, D. (2002). Foreword for textbook "Natural Resource and Environmental Economics". Ekonomija prirodnih resursa i zivotne sredine. R. Pesic. Belgrade.

Ürge-Vorsatz, D. (2002). Felelősen gondolkodó döntéshozók, oktatók és értelmiségiek képzése [Educating policy-makers, educators and intellectuals for a responsible future]. Vissza vagy Hova? Útkeresés a fenntarthatóság felé Magyarországon. [Backwards? In pursuit of sustainability in Hungary]. T. Pálvölgyi, C. Nemes and Z. Tamás. Budapest, Tertia.

Ürge-Vorsatz, D. and Cherp, A. (2002). A Siker Kulcsai: Projektek a Fenntartható Fejlődés Elmozdítására Európa Városaiban (Key to success: projects promoting urban sustainability in Europe). Útmutató a Fenntartható Fejlődés Helyi Programjai (LA21) elkészítéséhez. (Guide for the preparation of local Agenda 21 programs). J. Szlavik and Turchanyi. Budapest, Belügyminisztérium (Ministry of Internal Affairs). Önkormányzati Tájékoztató, Különszám.

Ürge-Vorsatz and Jochen Hauff (2001). Drivers of Market Transformation in Domestic Lighting. in **"Energy Efficiency in Household Appliances and Lighting"** eds. P. Bertoldi, A. Ricci and A. Almeida. Pp. 287 – 298. *Springer*.

Ürge-Vorsatz, D., Szlavik, J., Pálvölgyi, T., Füle, M. and Eds. (2000). Fenntartható energiagazdálkodás és

környezetvédelem. Magyarországi energetika es környezet: helyzetlemezés és jövökép. Az energiahatékonyság javításának és az üvegházhatású gázok kibocsájtás-csökkentésének gazdasági feltételei magyarországon. (Sustainable Energy in Hungary: the Present and Future Prospects. Economic Conditions of Energy Efficiency Improvements and Greenhouse Gas Mitigation). Budapest.

Ürge-Vorsatz, D., Szilávik, J., Pálvölgyi, T. and Füle, M. (1998). **ECONOMICS OF GREENHOUSE GAS MITIGATION. Hungary Country Study, UNEP.**

Ürge-Vorsatz, D. and several others (1999). *Chapter 2. the State of the Environment: Europe and Central Asia. Chapter 3. Policy Responses: Europe and Central Asia.* **Global Environment Outlook 2.** U. N. E. P. (UNEP), Earthscan.

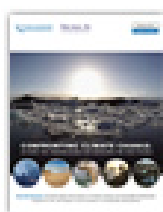
Vorsatz, D., J.G.Koomey, L.Shown, Denver, A. and Moezzi, M. (1997). *Lighting Market Sourcebook for the US.* **Lawrence Berkeley National Laboratory.** Web edition: <http://enduse.lbl.gov/Info/LBNL-39102.pdf>.

UNEP-GEO (1997). *Europe and CIS Countries.* **Global Environmental Outlook.** United Nations Environment Programme. New York, Oxford, **Oxford University Press.**

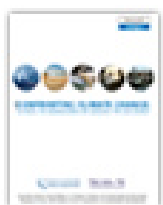
Orton, B. R. and Vorsatz, D., Eds. (1995). **Harmonisation of East-West Radioactive Pollutant Measurements, Standardisation of Techniques, Consideration of Socio-Economic Factors.** Budapest.

### Peer-reviewed Publications

---



Rosina Bierbaum, J. P. H., Michael MacCracken, Richard H. Moss, Peter H. Raven, Ulisses Confalonieri, Jacques Dubois, Alexander Ginzburg, Peter H. Gleick, Zara Khatib, Janice Lough, Ajay Mathur, Mario Molina, Keto Mshigeni, Nebojsa Nakicenovic, Taikan Oki, Hans Joachim Schellnhuber, Diana Ürge-Vorsatz: United Nations Scientific Expert Group on Climate Change (UN SEG) (2007). **CONFRONTING CLIMATE CHANGE: AVOIDING THE UNMANAGEABLE AND MANAGING THE UNAVOIDABLE.** United Nations Foundation: 166. See also [http://www.unfoundation.org/files/pdf/2007/SEG\\_Report.pdf](http://www.unfoundation.org/files/pdf/2007/SEG_Report.pdf).



Rosina Bierbaum, J. P. H., Michael MacCracken, Richard H. Moss, Peter H. Raven, Ulisses Confalonieri, Jacques Dubois, Alexander Ginzburg, Peter H. Gleick, Zara Khatib, Janice Lough, Ajay Mathur, Mario Molina, Keto Mshigeni, Nebojsa Nakicenovic, Taikan Oki, Hans Joachim Schellnhuber, Diana Ürge-Vorsatz: United Nations Scientific Expert Group on Climate Change (UN SEG) (2007). **Confronting Climate Change: Avoiding The Unmanageable And Managing The Unavoidable. Executive Summary.** United Nations Foundation: 12. See also: [http://www.unfoundation.org/files/pdf/2007/SEG\\_ExecSumm.pdf](http://www.unfoundation.org/files/pdf/2007/SEG_ExecSumm.pdf)

Rosina Bierbaum, J. P. H., Michael MacCracken, Richard H. Moss, Peter H. Raven, Ulisses Confalonieri, Jacques Dubois, Alexander Ginzburg, Peter H. Gleick, Zara Khatib, Janice Lough, Ajay Mathur, Mario Molina, Keto Mshigeni, Nebojsa Nakicenovic, Taikan Oki, Hans Joachim Schellnhuber, Diana Ürge-Vorsatz: United Nations Scientific Expert Group on Climate Change (UN SEG) (2007). **SZEMBESZÁLLÁS A KLÍMAVÁLTOZÁSSAL: a kezelhetetlen elkerülése és az elkerülhetetlen kezelése. Vezetői összefoglaló.** Budapest, United Nations Foundation és a Környezetvédelmi és Vízügyi Minisztérium: 12. See also: <http://www.ceu.hu/envsci/climate2007/UNmagyar.pdf>.

Ürge-Vorsatz, D., L. D. Harvey, S. Mirasgedis, M. D. Levine (2007). "Mitigating CO2 Emissions from Energy Use in the World's Buildings." **Building Research and Information.** Forthcoming, in print (Special Issue on Climate Change).

Ürge-Vorsatz, D., S. Koepfel, S. Mirasgedis (2007). "An appraisal of policy instruments for reducing buildings' CO2 emissions." **Building Research and Information.** Forthcoming, in print (Special Issue on Climate Change).

Diana Ürge-Vorsatz, Novikova, A, Watt, A. (forthcoming). *Kyoto Flexibility Mechanisms in an enlarged EU: will they make a difference?.* Accepted to "Climate Policy", under final revision.

Ürge-Vorsatz, D., A. Novikova, P. Stoyanova (2007). A new window for a new instrument: Can and will green investment schemes unlock the high efficiency potentials in Eastern Europe?, **European Council for an Energy Efficient Economy**.

Richard Moss, W. C., Holly Gwin, Eberhard Jochem, Zhou Dadi, Igor Bashmakov, Ugo Farinelli, M K Halpeth, Nigel Jollands, Tony Kaiser, John "Skip" Laitner, Mark D. Levine, Hi-Chun Park, Alexandrina Platonova-Oquab, Roberto Schaeffer, Jayant Sathaye, Judy Siegel, *Diana Urge-Vorsatz*, Eric Usher, Ernst Worrell, Wang Yanjia (United Nations Expert Group on Energy Efficiency) (2007 (forthcoming)). **Bringing Energy Efficiency to Scale: Strategic Plan for Energy Efficiency Improvement**. Washington DC, United Nations Foundation.

Koepfel, S., D. Ürge-Vorsatz, et al. (2007). Is there a silver bullet? A comparative assessment of twenty policy instruments applied worldwide for enhancing energy efficiency in buildings. **European Council for an Energy Efficient Economy**.

Novikova, A, Urge-Vorsatz, D, and Liang, C. (2006). *The "Magic" Of The Kyoto Mechanisms: Will It Work For Buildings?* **Americal Council for an Energy-Efficient Economy**.

Diana Ürge-Vorsatz, Novikova, A, (2006) *Opportunities and costs of carbon dioxide mitigation in the world's domestic sector*. **Energy-Efficient Domestic Appliances and Lighting (EEDAL)**. Available at <http://energyefficiency.jrc.cec.eu.int/events/eedal2006.htm>.

Urge-Vorsatz, D., Miladinova, G. and Paizs, L. (2006). "Energy in transition: From the iron curtain to the European Union." **Energy Policy**. v. 34, pp 2279 - 2297.

Rezessy, S., Dimitrov, K., Ürge-Vorsatz, D. and Baruch, S. (2006) "Municipalities and energy efficiency in countries in transition. Review of factors that determine municipal involvement in the markets for energy services and energy efficient equipment, or how to augment the role of municipalities as market players" In: **Energy Policy**. v.34, pp 223 - 237.

Bertoldi, P., Rezessy, S. and Ürge-Vorsatz, D. (2005). "Tradable certificates for energy savings: opportunities, challenges, and prospects for integration with other market instruments in the energy sector." **Energy and Environment** 16(6). pp 959-992.

Urge-Vorsatz, D. and Miladinova, G. (2005). Energy efficiency policy in an enlarged European Union: the Eastern perspective. **European Council for an Energy Efficient Economy**.

Ürge-Vorsatz, D. and Rezessy, S. "Renewable electricity support schemes in Central Europe". Invited chapter for a book entitled Green Power Markets – Development and Perspectives, ed. Lutz Mez. In press.

Novikova, A., Ürge-Vorsatz, D. (2005). Kyoto Flexibility Mechanisms in an enlarged EU: will they make a difference? European Council for an Energy Efficient Economy Summer Study 2005, ECEEE, France.

Atanasiu, B., Bertoldi, P., Rezessy, S. and Urge-Vorsatz, D. 2005. "Electricity End-Use in Buildings: A Survey of New Member States and Candidate Countries". European Council for Energy Efficient Economy (ECEEE).

Ürge-Vorsatz, D., Rezessy, S. and Antypas, A. (2004). "Renewable Electricity Support Schemes in Central Europe: a Case for Incomplete Policy Transfer." **Energy and Environment** 15(4): 699-721.

Mez, L., Urge-Vorsatz, D. and Miladinova, G. (2004). "Energiepolitik im Osten Europas - Ein Forschungsbericht." **Osteuropa. Europa unter Spannung: Energiepolitik zwischen Ost und West**. 8-10: 80-94.

Ürge-Vorsatz, D., Langlois, P. and Rezessy, S. (2004). Why Hungary? Lessons learned from the success of the Hungarian ESCO industry. **2004 Summer Study in Buildings**, Asilomar, California, ACEEE, 6: 6-345 to 6-356.

Lane, K., Ürge-Vorsatz, D. and Ritter, H. (2004). Electricity Disclosure: Will It Transform Electricity Markets? **2004 Summer Study in Buildings**, Asilomar, California, ACEEE, 7: 7-183 to 7-193.

- Ürge-Vorsatz, D., L. Paizs, et al. (2003). Restructuring, Liberalisation, and EU accession: are transition economies moving towards more sustainable electricity markets? European Council for an Energy Efficient Economy Summer Study 2003, France, ECEEE
- Ürge-Vorsatz, D. and Soos, R. (2003). Turning down demand through electricity disclosure: are consumers ready? A survey of Hungarian residences and businesses. **European Council for an Energy Efficient Economy Summer Study 2003**, France, European Council for an Energy-Efficient Economy
- Ürge-Vorsatz, D. and Stroukanska, K. (2002). Standing by in Central Europe: a Survey of Hungarian, Bulgarian and Romanian Residences. **American Council for an Energy-Efficient Economy**, ACEEE, 7: 7.259-7.271.
- Ürge-Vorsatz, D. and J. Hauff (2001). "Drivers of Market Transformation: ANalysis of the Hungarian lighting success story." . **Energy Policy**, by Elsevier Vol 29/10,(10): pp 801-810.
- Ürge-Vorsatz, D. and A. Szeszler (2003) Analysing CO2 Emission Mitigation by Technology Improvement in Central and Eastern Europe: a Review of Four Studies from the Region." . **GeoJournal** v. 57. special issue on Climate Change Impacts in CEE. pp 175-190
- Pesic, R. and Ürge-Vorsatz, D. (2001). "Restructuring of the Hungarian Electricity Industry." Journal of **Post-Communist Economies** 13(1).
- Szlávik, J., Pálvölgyi, T., Ürge-Vorsatz, D. and Füle, M. (2000). "CARBON MITIGATION IN HUNGARY: CHALLENGES FOR A SUSTAINABLE NATIONAL ENERGY POLICY." **Periodica Politechnica** in press.
- Orton, B.R, L. Sjoberg, J. Jung, D. Urge-Vorsatz and M. Tamassy-Biro (2000) "Risk Perception by Industrial Radiographers: Hungary and UK compared" **Journal of Risk Research** 4(1): 17 - 29..
- Diana Urge-Vorsatz and Jochen Hauff (2000). Drivers of Market Transformation: Analysis of a Success Story. **American Council for an Energy-Efficient Economy**, pp. 6.403-6.416
- Pesic, Radmilo and Diana Urge-Vorsatz (2000). Lessons From The Restructuring Of The Hungarian Electricity Industry. **American Council for an Energy-Efficient Economy**, pp. 5.253-5.264.
- Ürge-Vorsatz, D. and Szeszler, Á. (1999). Assessment of CO2 Emission Mitigation by Technology Improvement in Central and Eastern Europe: Case Studies from Hungary, Poland and Estonia. Technologies to Reduce Greenhouse Gas Emissions: Engineering-Economic Analyses of Conserved Energy and Carbon, **International Energy Agency/OECD**, <http://www.iea.org/workshop/engecon/vorsatz.pdf>.
- Malikova, Y. and Ürge-Vorsatz, D. (2000). "Better Light - Better Life. Removal of Market Barriers to Efficient Lighting in Hungary." **Journal of the Department of Environmental Sciences and Policy of the CEU** 3.
- Kazakevicius, E., Gadgil, A. and Vorsatz, D. (1999). "Residential Lighting in Lithuania." **Energy Policy** 27(10): 603-611.
- Darkhovskaya, M., Frewer, L. and Ürge-Vorsatz, D. (1998). Risk perception of genetically modified foods: a comparison between Russia and the United Kingdom. **Risk Analysis: Opening the Process**, Paris, Institut de Protection et de Surete Nucleaire, I.
- Kazakevicius, E., Gadgil, A. and Vorsatz, D. (1997). Assessing the Residential Lighting Efficiency Opportunities in Lithuania. **Right Light** 4, Copenhagen, IAEEL, 2.
- Benjamin, M. T., Sudol, M., Vorsatz, D. and Winer, A. M. (1997). "A Spatially and Temporally Resolved Biogenic Hydrocarbon Emissions Inventory for the California South Coast Air Basin." **Atmospheric Environment** 31(18): 3087-3100.
- Vorsatz, D. (1996). Exploring US Residential and Commercial Electricity Conservation Potentials: Analysis of the Lighting Sector. **Environmental Science and Engineering; and Energy and Resources Group**. Ph.D. (D.ENV.) thesis, **Los Angeles and Berkeley**, University of California.
- Orton, B. R., Vorsatz, D. and Macovei, D. (1996). "Determination of Atomic Local Order in Thyroid Hormones by EXAFS for Radiation Dose Estimates." **Acta Oncologica** 35(7): 895-899.

Vorsatz, D. and Holtzer, P. (1994). "Public Transportation: the Impacts of Subsidies and Privatization." **Kornyezet es Fejlodes (Hungarian "Environment and Development")** V(6): 47-53. in Hungarian.

Schipper, L., Martinot, E., Vorsatz, D., Khrushch, M., Salay, J. and Scheinbaum, C. (1994). Structure and Efficiency of Energy Use in a Reforming Economy: The Case of Estonia, **Energy and Environment Division, Lawrence Berkeley Laboratory**.

Orton, B. R., Stanton, C. M., Gulley, N. A., Vorsatz, D. A. and Manila-Devenyi, R. (1993). "XANES and EXAFS Investigations of Sd Hybrid Bonds in Alloys of Gold with Gallium, Germanium and Tin through the Solid-Liquid Transition." **Journal of Non-Crystalline Solids**(156-158): 133-136.

Vorsatz, D. (1992). Groundwater Flows and Dispersion of a Potential Leakage from the Proposed Underground Nuclear Waste Repository of Hungary. M.Sc.thesis, **Eotvos Lorand University of Sciences**, Budapest.

Orton, B. R., Stanton, C. M. and Vorsatz, D. A. (1991). EXAFS Properties of Au Alloys with B Sub-Group Elements at the Solid-Liquid Transition. **Recent Developments in the Physics of Fluids**, Oxford, UK, Institute of Physics, Section 3 F255

### **Not Peer-reviewed Conference Proceedings and Other Publications**

---

Ürge-Vorsatz, D., I. Kovacsics, Aleksandra Novikova (2007). Zöld beruházási alap megvalósítási lehetősége Magyarországon (Potential for the realisation of a Green Investment Scheme in Hungary), Környezetvédelmi és Vízügyi Minisztérium.

Diana Ürge-Vorsatz, Koepfel, S., Novikova, A, (2006). **Improving Energy-efficiency in Buildings: Opportunities, Promises, Challenges and Solutions**. In " Using energy and materials more efficiently: a precondition for sustainable development", Seoul, September 21-22, 2006.

Ürge-Vorsatz, D., L. Mez, G. Miladinova, A. Antipas, M. Bursik, A. Baniak, J. Jánosy, D. Nezamoutinova, J. Beranek and G. Drucker (2003). **The impact of structural changes in the energy sector of CEE countries on the creation of a sustainable energy path**: Special focus on investments in environmentally friendly energies and impact of such a sustainable energy path on employment and access conditions for low income consumers. Luxembourg, **European Parliament**.

Boardman, B., Palmer, J., Arvidson, A., Buerger, V., Green, J., Lane, K., Lipp, J., Nordstrom, M., Ritter, H., Timpe, C. and Ürge-Vorsatz, D. (2003). Consumer Choice and Carbon Consciousness for Electricity (4CE) - Final report, Oxford, UK, **Environmental Change Institute, University of Oxford**, available at [www.electricitylabels.com](http://www.electricitylabels.com).

Ürge-Vorsatz, D. and P. Langlois (2003). Why Hungary? An ESCO success story. Creating the Market for the ESCO Industry in Europe: the First European Conference on Energy Service Companies, Milan, European Commission Joint Research Centre, Institute for Environment and Sustainability

Soehl, A. and D. Urge-Vorsatz (2003). Household appliance energy labels in CEECs: a policy analysis of Hungarian and Polish labeling policies and their effectiveness in removing market barriers to energy efficiency. Energy Efficiency in Liberalised Markets, Malente, Germany.

Ürge-Vorsatz, D., Paizs, L. and Pesic, R. (2002). Energy in transition: a post-1989 chronicle. **New Energy Policies in Southeast Europe**, Zlatibor, International Energy Agency and United Nation's Development Programme. Published on a CD and on-line at <http://library.iea.org/dbtw-wpd/textbase/work/worksh.htm>.

Ürge-Vorsatz, D. (2002). Climate Change Related Research, Systematic Observations, and Educational Activities in Hungary. **The Third National Communication of Hungary to the United Nations Framework Convention on Climate Change (UNFCCC)**. Hungarian Ministry of Environment, UNFCCC. Also on internet: <http://unfccc.int/resource/natcom/nctable.html#a1>.

NOVEM (2001). Urban Sustainable Management and the European Commission: from Policy to Reality, Utrecht, **NOVEM**, [www.novem.org](http://www.novem.org).

Ürge-Vorsatz, D., Szeszler, A. and Malikova, Y. (2002). *Lighting public buildings in Hungary: energy efficiency potentials and barriers*. **Right Light 5**. Also on internet:  
[http://www.eceee.org/library\\_links/proceedings/RL5/RL5\\_abstracts/vorsatz.lasso](http://www.eceee.org/library_links/proceedings/RL5/RL5_abstracts/vorsatz.lasso)

Anderson, M., T. Kaberger, Diana Ürge-Vorsatz et al. (2001). Strategic Vision on Long Term Climate Policies for the European Energy Sector. Wageningen, COOL (Climate Options for the Long-Term).

Vorsatz, D. (1997). *(Un)Sustainability in Transition in CEE: Opportunities Foregone? Prospects for Integrated Environmental Assessment: Lessons Learnt from the Case of Climate Change*, Toulouse, France, European Union and the Intergovernmental Panel on Climate Change, EUR-17639.

Ürge-Vorsatz, D. (1999). *Market Transformation of Compact Fluorescent Lamps in the Hungarian Marketplace*. **BalkanLight**.

Ürge-Vorsatz, D. (1998). *A Success Story: Compact Fluorescent Lamps in the Hungarian Marketplace*. **Energy Efficiency Business Week**, Prague, SEven.

Starodub, V., Kursky, M. and Ürge-Vorsatz, D. (1998). *Control of Biological Contamination of the Air Using Bioaffinic Sensor Based on the Photoluminescence of Porous Silicon*, Madrid, Spain.

Ürge-Vorsatz, D. and Toth, F. (1997). *Privatisation and Structural Change in the Energy Sector in Eastern Europe*. San Francisco, Sept. 10, 1997. "International Energy Markets, Competition and Policy", the 18th Annual conference of the International Association for Energy Economics, San Francisco.

Sjoberg, P., B.R.Orton, J.Jung, D.A.Vorsatz and M.Tamassyne (1997). *Risk Perception by Industrial Radiographers: England and Hungary Compared*. **Annual Meeting of the Society for Risk Analysis**, Stockholm, Sweden, Society for Risk Analysis.

Vorsatz, D. (1997). *Lessons from the Hungarian Energy Sector Sell-Out*. **Transition, the World Bank Newsletter about Transition Economies**. 8.

Mills, E. and Urge-Vorsatz, D. (1997). "Compact Fluorescents Face Tough Competition." **International Association for Energy Efficient Lighting** (3-4).

Vorsatz, D. (1996). *The Road to the Golden Carrot (Ut az Arany Repaig)*. **HVG** (Hungarian Economist). XVIII.

Vorsatz, D. (1996). *Energy Efficiency in Eastern Europe (Energiahatekonysag: Keleti Nyugalom)*. **HVG** (Hungarian Economist). XVIII.

Vorsatz, D. (1996). *(Un)Sustainability in Transition in CEE: Opportunities Foregone? Prospects for Integrated Environmental Assessment: Lessons Learnt from the Case of Climate Change*, Toulouse, France. **European Commission DG XII**.

Vorsatz, D. (1996). *Competition among Electric Utilities (Aramszolgáltatok Versenye: Kezbenjaras)*. **HVG** (Hungarian Economist). XVIII.

Vorsatz, D., Orton, B. R., Stanton, C. M. and Adil-Smith, I. (1995). *I-125 in Green Algae in the Growing Season*. **Atoms in Our Hands**. G. Marx. Budapest.

Vorsatz, D. A., Orton, B. R., Stanton, C. M. and Adil-Smith, I. (1994). *An Investigation of I-125 in Filamentous Algae Over One Growing Season*. **Rio Follow-up**, Eger, Hungary.

Orton, B. R. and Vorsatz, D. (1994). *Workshop Report on Harmonisation of East-West Radioactive Pollutant Measurements*. Radiation and Society: Comprehending Radiation Risk. **Society for Risk Analysis European Meeting**, Stuttgart, International Atomic Energy Agency.

Vorsatz, D. (1994). *Assessing The Efficiency Versus the Inefficiency Of The Energy Sectors In Formerly Centrally Planned Economies*. **Energy and Environment: Transitions in East Central Europe**, Prague, Czech Republic, Energy and Environmental Research Center.

## **Key Presentations**

---

- Ürge-Vorsatz, D. (2006) Options for domestic policies and climate change strategies of New Member States, Accessing and Candidate Countries. **Keynote address at "Future EU Climate Change Policy: Challenges and Opportunities for New Member States, Accessing and Candidate Countries"**. Warsaw, Jan 2006.
- Ürge-Vorsatz, D. (2006) The energy efficiency market: business opportunities in New EU Member States. **Keynote speech at the World Sustainable Energy Days**, Wels, Austria, March 2-3, 2006.
- Ürge-Vorsatz, D. (2006) **Corporate social responsibility in the oil and gas industry: The challenge of climate change**. **Keynote speech**. Eighth SPE International Conference on Health, Safety & Environment in Oil and Gas Exploration and Production. Society of Petroleum Engineers, Abu Dhabi, U.A.E., April 2 - 4, 2006.
- Urge-Vorsatz, D. and Rezessy, S. (2005). Challenges for the post-Kyoto climate change strategy in New EU member states: the case of Hungary. **Energy and Climate Change Politics in Comparison**, Salzburg.
- Urge-Vorsatz, D. (2005). Energy and Environment: Challenges and new paths. Developed countries. **Keynote Speech**. **World Congress on Physics and Sustainable Development**, Durban, South Africa.
- Ürge-Vorsatz, D. (2004). Kyoto flexibility mechanisms in an enlarged EU: Will they make a difference? **Keynote speech**. **Climate Technology and Energy Efficiency - Using the Kyoto Mechanisms**. **CTI Capacity Building Seminar for CEE/FSU Countries**., Leipzig, Climate Technology Initiative.
- ÜRGE-VORSATZ, D. (2004). Energy efficiency - a major domestic energy source in EU-25? Between standstill and fresh awakening: Environmental Policy in the new Europe, Berlin, Oko Institut.
- Ürge-Vorsatz, D. (2004). Metering and Billing: the Importance for Improving Energy Efficiency in Central and Eastern Europe. **Metering and Billing Europe**, Berlin, Synergy, keynote speech.
- Ürge-Vorsatz, D. (2003). Electricity disclosure as a market-based policy instrument. Environmental Law And Policy EuroConference III: THE ENVIRONMENTAL REGULATION OF PRODUCTION PROCESSES AND PRODUCTS, Salzburg.
- Soehl, A. and D. Urge-Vorsatz (2003). Household appliance energy labels in CEECs: a policy analysis of Hungarian and Polish labeling policies and their effectiveness in removing market barriers to energy efficiency. Energy Efficiency in Liberalised Markets, Malente, Germany.
- Urge-Vorsatz, D. and P. Langlois (2003). Why Hungary? An ESCO success story. First European Conference on Energy Service Companies, Milan.
- Urge-Vorsatz, D., K. Stroukanska, et al. (2001). Leaking electricity? Standby power losses in Bulgarian, Romanian and Hungarian residences. CTI Seminar series for Economies in Transition, Ostritz, Germany
- Ürge-Vorsatz, D. (2000). **Economic Development, Energy, and Sustainability: Key Issues for the 00s for Economies in Transition**. Second International Conference on Energy Efficiency in Household Appliances and Lighting, Naples, Italy, Invited keynote speech.
- Ürge-Vorsatz, D. (1999). Review of the Restructuring and Privatisation of the Energy Industry of Hungary. Invited Lectures, Buzau, Romania, **Leadership for Environment and Development, LEAD**.
- Vorsatz, D. (1996). Environmental Conflicts Related to the Gabčíkovo-Nagymaros Dam System. **Conflict and Cooperation on the Rivers of the World**, World Affairs Council, San Francisco, Institute for International Studies, Stanford University.
- Vorsatz, D. (1996). Update on U.S. Residential and Commercial Lighting. **Building Energy Seminar**, Lawrence Berkeley National Laboratory.
- Vorsatz, D. (1995 Oct). Environmental Transitions in Eastern and Central Europe. **Environmental Policy in Europe**, UC Berkeley, Center for West European Studies.
- Vorsatz, D. (1995 Nov). Hungarian Environmental Policy. **Environmental Policy in Europe**, UC Berkeley,

Center for West European Studies.

Vorsatz (1995 May). *Environmental Transitions in the Formerly Centrally Planned Economies*. **International and Area Studies Seminar**, UC Berkeley, Center for West European Studies.

Vorsatz, D. (1995 Mar). *Environmental Transitions in Eastern and Central Europe*. **Environmental Policy in Europe**, UC Berkeley, Center for West European Studies.

Vorsatz, D. (1995 Apr). *Environmental Transitions in Central and Eastern Europe*. **Bay Area Education Program**, Palo Alto, World Affairs Council.

APPENDIX III.

Referees

---

**Dr. Ruben Mnatsakanian**

Head of Department and Professor  
Dept. of Environmental Sciences and Policy  
Central European University  
H-1051 Budapest  
Nádor utca 9.  
Phone: (36) 1 327-3021  
Fax: (36) 1 327-3031  
Email: [mnatsaka@ceu.hu](mailto:mnatsaka@ceu.hu)

**Arthur M. Winer, PhD**

**Director Emeritus and Distinguished Professor**  
Environmental Science and Engineering Program  
University of California, Los Angeles (UCLA)  
Room 46-081 CHS  
Box 951772  
University of California  
Los Angeles, CA 90095-1772  
Phone: 1-(310) 206-3353  
[amwiner@ucla.edu](mailto:amwiner@ucla.edu)

**Brenda Boardman**

**Leader**, Lower Carbon Futures, Environmental Change Institute, Oxford University  
and  
**Co-Director**, Energy Research Centre, UK  
*Contact:*  
Environmental Change Institute,  
Oxford University Centre for the Environment,  
South Parks Road,  
Oxford, OX1 3QY  
[brenda.boardman@eci.ox.ac.uk](mailto:brenda.boardman@eci.ox.ac.uk)  
Phone: +44-01865 285170  
Fax: +44 1865 275850

**Prof. Michael Grubb**

Faculty of Economics, Cambridge University  
And Visiting Professor at the [Centre for Environmental Policy](#) at Imperial College, London  
And Chief Economist at the UK [Carbon Trust](#).  
*Contact:*  
Sidgwick Avenue,  
Cambridge, CB3 9DD  
Tel: 44-(0) 1223 335274  
Email: [mjg7@econ.cam.ac.uk](mailto:mjg7@econ.cam.ac.uk)

**Jyrki Luukkanen**

Senior researcher, PhD (eng)  
Turku School of Economics  
Finland Futures Research Centre  
Hämeenkatu 7 D  
FI-33100 Tampere, Finland  
tel +358-3-2238364

fax +358-3-2238363  
mobile +358-50-3370710  
e-mail [jyrki.luukkanen@tse.fi](mailto:jyrki.luukkanen@tse.fi)  
[www.tse.fi/tutu](http://www.tse.fi/tutu)

**Jacques Rilling, PhD**

Director Emeritus for Research and Development, CSTB (Scientific And Technical Centre For Buildings)  
And, Professor, Ecole Nationale des Ponts et Chaussees, as well as President Emeritus of its Civil Engineering and Building College

Contact:

CSTB

84 Avenue Jean Jaurès - Champs-sur-Marne  
77447 MARNE LA VALLEE CEDEX 2

France

Tél : 01 64 68 82 36 - Fax : 01 64 68 84 49

E.mail : [jacques.rilling@cstb.fr](mailto:jacques.rilling@cstb.fr)

**Michael MacCracken**

Chief Scientist for Climate Change Programs,  
Climate Institute, USA  
6308 Berkshire Drive  
Bethesda, MD 20814 USA  
Tel: 1-301-564-4255  
Email: [mmaccrac@comcast.net](mailto:mmaccrac@comcast.net)

**Dr. Paolo Bertoldi**

Principle Administrator: Energy Efficiency  
European Commission - DG JRC  
TP 450 I-21020 Ispra (VA)

Italy

tel. +39 0332 78 9299 (secretary 9145)

fax. +39 0332 78 9992

mobile +39 328 918 7189

E-Mail: [paolo.bertoldi@cec.eu.int](mailto:paolo.bertoldi@cec.eu.int)

<http://energyefficiency.jrc.cec.eu.int>

**Dr. Brenda Boardman**

Leader of Lower Carbon Futures Program  
Environmental Change Institute  
Oxford University  
5 South Parks Road  
Oxfordshire, OX1 3UB  
UK

[Brenda.boardman@eci.ox.ac.uk](mailto:Brenda.boardman@eci.ox.ac.uk)

**Dr. Arthur Winer**

Director Emeritus and Professor  
Environmental Science and Engineering Program  
61-295 CHS  
School of Public Health  
Charles E. Young Drive South  
Box 951772  
Los Angeles, CA 90095-1772  
(310) 206-1278 Fax: 1-310 - 2063358  
[amwiner@ucla.edu](mailto:amwiner@ucla.edu)

