

DIANA ÜRGE-VORSATZ

Msc, PhD.

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Center for Climate Change and Sustainable Energy Policy (3CSEP)
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Education

Doctorate in Environmental Science and Engineering 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, Center for Climate Change and Sustainable Energy Policy (3CSEP)**. 2007 -
- **Director of the PhD program**, Dept. of Environmental Sciences and Policy, Central European University (CEU), 2002 – 2007
- **Acting Head of Department**, Dept. of Environmental Sciences and Policy, Central European University (CEU), 2001 – 2002.
- Full Professor, CEU, 2007 - present
- Associate Professor, CEU, 2001 – 2007
- 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 70 MSc Theses; supervising 10 PhD theses, Dept. of Env. Sci, CEU.
- Panel member, PhD dissertation at the Economics Department, CEU. 2012 - 2014
- External Examiner of PhD dissertation, **University College London, Energy Institute**, June 2015
- 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, University of Bologna*.
- 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.
- Visiting lecturer, **International Christian University, Tokyo**, Sep 2007.
- Lecturer, Postgraduate School of Industrial Ecology, Course on Sustainable Consumption. June 2008.
- Lecturer, Summer University (SUN) on “Climate Change: An Interdisciplinary Inquiry”, 2008.
- Participated in training senior NGO leaders in capacity building initiatives organized by the **Regional Environmental Center (REC)**, 2006.
- Course director and lecturer, Summer University (SUN), “Energy Policy For Economies In Transition: (De)Regulation For Development And The Environment”, 1999.
- 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**, US, April 1995.

Honors, Awards, Fellowships

- **Member of Scientific Committee; Chair and debate moderator of plenary session**; Co-convenor of 1 large (invited) and 3 small parallel sessions: Our Common Future under Climate Change conference, Paris, July 2015. <http://www.commonfuture-paris2015.org/> and <https://www.youtube.com/watch?v=qh1qTWv-NsY>
- **Leader, Scientific review of Sustainable Development Goal “7” in the new UN Development goals development process** (Ensure access to affordable, reliable, sustainable, and modern energy for all”), 2014
- Member of the Scientific Committee of the high-level conference, “**Our Common Future under Climate Change**”, Paris, 2015. <http://www.commonfuture-paris2015.org/>
- Invited to contribute to a high-level **report to for UN Secretary General** with a handful of leading scientists from around the world to support AOSIS (the Alliance of Small Island States) at the High-level Climate Summit in Sept 2014, NY. <http://aosis.org/wp-content/uploads/2014/09/Tackling-Climate-Change-K.pdf>
- **Coordinating Lead Author**, Chapter on Building Sector GHG Mitigation, Fifth Assessment Report of the **Intergovernmental Panel on Climate Change (IPCC)**, Working Group III. 2011 – 2014
- **Convening Lead Author**, Energy End-use: Buildings, Global Energy Assessment. 2007 – 2012
- Receptient of the Award “**Példakép**” (=“**Role Model**”) founded by Pannon (www.peldakep.hu), 2009

- Receptient of the Hungarian Presidential recognition “**A Magyar Köztársasági Érdemrend Középkeresztje**”, 2008. (*Medium Cross Medal of the Hungarian Republic*)
- Played a *leadership role* (Coordinating Lead Author) in the **Nobel Peace Prize-winning Intergovernmental Panel on Climate Change** when it received the award in 2007.
- 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. 2003 - 2007
- **Expert reviewer**, Fourth Assessment Report of the **IPCC**, *Working Group I*.
- Contributed to the scoping process of the 4th Assessment Report for the **IPCC**
- **International Policy Fellowship** from the Center for Policy Studies, Academic Year 2003-2004.
- 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 Governing and Advisory Bodies

- Evaluator and Rapporteur, H2020 call Water2b, May 2015.
- Member of the Editorial Board, Annual Reviews for Environment and Resources, since 2011
- Member of the Strategic Advisory Board, Austrian Climate- and Energy Fund. 2011 –
- Member of the Hungarian Decarbonisation Roadmap Energy working group, 2012.
- Evaluator, European Commission FP7, Environment, 2012-2013
- Member of the Advisory Panel of the **European Climate Foundation**, 2009 –
- Panel Member of the **European Research Council** for the “Environment and society” theme, Starting Grants, 2009 – 2012.
- Panel member, **European Research Council** for the “Environment and society” theme, “Consolidator” grants, 2013 -
- Contributing to the work of the **Scientific and Technical Advisory Panel (STAP)** of the **Global Environment Facility (GEF)**, 2009 - 2012
- Member of the **Strategic Advisory Board** for the *Framework Programme for Competitiveness and Innovation (CIP)* of the European Commission, 2007 - 2013.
- 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 – to date**
- 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 and 2007
- 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, 2007 – 2009.
- Four times reelected member of the **Academic Senate** of the CEU, 1998 - 2006.
- **Director of the PhD program**, Fall 2002 – 2007.
- **Acting Head of Department**, Academic Year 2001-2002.
- Member of the **Advisory Committee** for the **Hungarian Energy Efficiency Cofinancing Program** (HEECP) 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, 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

- External PhD Examiner, University College London, 2015
- Member of the Scientific Committee of the high-level conference, “Our Common Future under Climate Change”, 2015. <http://www.commonfuture-paris2015.org/>
- Member, high-level panel to evaluate the activities of the **EU Joint Research Centre's** in FP7, 2014
- Member of **Director’s Review Committee**, Environmental Energy Technology Division, **Lawrence Berkeley National Laboratory**, 2013
- Participant, **OECD/IEA Sustainable Buildings Network** formed under the G8’s Heiligendamm process, 2008 - 2009
- **Associate Editor**, Energy Efficiency Journal, published by **Springer**, 2007 – to date.
- Contributor, **Hungarian Climate Change Strategy**, 2007.
- Advisor, **Hungarian Energy Strategy**, 2007.
- Peer reviewer of proposals for various international grant-giving and publishing bodies (selection):
 - ❖ European Research Council, Starting Grants, Synergy Grants (annually since 2008)
 - ❖ **Springer**, the scientific publisher, for book proposals
 - ❖ OTKA, the Hungarian Research Support Scheme
 - ❖ **Academy of Finland**, Center of Excellence bids (2006, 2012)
 - ❖ **UK Economic and Social Research Council (ESRC) Large Grants Scheme** (2006)
- **Peer reviewer**, for several academic journals, including *Energy Policy*, *Nature*, *Climate Policy*, *International Environmental Agreements*, *Energy the International Journal*, *Buildings and Energy*, “*Mitigation and Adaptation of Strategies for Global Change*”, and others.
- Member of the **Steering, Program and Paper Committees**, and **chair** of session(s) at the following conferences (selection):
 - “Behave” 2014: “Paradigm Shift: From Energy Efficiency to Energy Reduction through Social Change”, London, 2014.
 - European Conference on Energy Use in Commercial Buildings, 2014
 - World Sustainable Energy Days, 2012, 2013, 2014

- World Science Forum satellite event "Facing the Future: the Climate Summit in Copenhagen and beyond", CEU Budapest, Nov. 4, 2009. Co-host and session chair.
- Conference "Opportunities for Climate Change and Energy Efficiency Action in an Economic Crisis: Catalysing a Green Recovery", CEU Budapest, Oct. 20, 2009. Chair of conference.
- EEDAL, Energy Efficient Domestic Appliances and Lighting. PC member: 2006, 2009, 2011, 2013,
- Climate Change Congress Copenhagen, March 2009. Chair of session "Enhancing Energy Conservation and Efficiency".
- IPCC Outreach Event "IPCC 2007: Implications for Hungary", CEU Budapest, April 2008. Main organizer.
- The Stern Review: a review. Organised by the Regional Environment Center and the UK Embassy, Budapest, March 2007. Conference Moderator.
- "Confronting Climate Change: Managing the Unavoidable, and Avoiding the Unmanageable". Hungarian release of the UN report, CEU, Feb 28, 2007. Chair of conference.
- "Improving energy efficiency in a New Europe: Leveraging the Kyoto Flexibility Mechanisms – past, present & future". Organised by UK ERC, Sep 2006, Oxford, UK.
- "Action on 1 Watt": the First World Conference on Standby Consumption, 2005;
- 2nd European conference on Energy Service Companies (ESCOs), 2005;
- "Action on 1 Watt", first international conference on Standby Power, March 2005;
- 3rd Conference on Energy Efficient Domestic Appliances and Lighting (EEDAL), Sept 2003;
- 1st European conference on Energy Service Companies (ESCOs), May 2003;
- 2nd 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.

Membership in Professional Bodies

- Honorary member of the Hungarian Passive House Association (PAOSZ)
- European Council for an Energy Efficient Economy
- Hungarian Green Building Council
- Society for Risk Analysis (until 2005)
- International Solar Energy Society (until 2007)

Research Experience (selection)

Responsible for building a database of Hungarian building performance data and descriptions of energy efficiency support programs. **Building Performance Institute of Europe (BPIE)**, 2010 - 2011

Develop a database on the composition of the non-residential building stock in Hungary, for **Ecofys Germany GmbH**, 2010 - 2011.

Leading the projects to analyze the potential net employment impacts of large scale building energy efficiency retrofit programmes in Poland, for the European Climate Foundation. 2010 – 2011.

Leading the effort in the Global Energy Assessment to model global building energy consumption scenarios, including cutting-edge sustainable scenario. 2008 - 2011

Leading the projects to analyze the potential net employment impacts of large scale building energy efficiency retrofit programmes in Hungary, for the European Climate Foundation. 2009 – 2010.

Participated in the projection of Hungarian GHG emissions and mitigation potentials for the Hungarian Ministry of Environment and Water, HUMIT, 2008-2009.

Responsible for the Central and Eastern European and ex-USSR region in a worldwide energy efficiency governance research project for the **International Energy Agency (IEA)**, 2009 -

Background research in the area of climate and energy policy for a Post-Lisbon Strategy of the European Union, on behalf of the National Development Agency of Hungary, 2009 – 2010.

Cost curves of climate change mitigation through the deployment of renewable energy sources for the **IPCC** Special Report on Renewable Energy Sources and Climate Change Mitigation, 2009 - 2011

Fuel poverty in Hungary. A first assessment on behalf of Hungarian NGO Védegylet (Protect the Future), 2009.

Leading the effort in the Global Energy Assessment to model global building energy consumption scenarios, including cutting-edge sustainable scenario. Sponsored by **UNEP SBCI**. 2008 -

Green Investment Schemes: maximizing their benefits for climate and society. **Project leader** for research on behalf of Climate Strategies, 2008.

Leading an analysis of standby power consumption of new domestic appliances. Sponsored by the Australian Government, 2008.

Participated in the projection of Hungarian GHG emissions and mitigation potentials for the Hungarian Ministry of Environment and Water, HUMIT, 2008-2009.

Led the projects to calculate and model bottom-up GHG mitigation potential assessment in the Hungarian residential and tertiary sectors, for the Hungarian Ministry of Environment. 2006 – 2008.

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 (6th 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**. 2002 – 2003.

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}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.

Grants Obtained and Funding Raised (selection)

- ◆ Global Best Practice Network for Buildings, EUR 150,000, for building a global building energy model, 2011-12.
- ◆ **International Energy Agency (IEA)**, EUR 27,500 for energy efficiency governance research, 2009 – 2010.
- ◆ **UNEP SBCI**, EUR 15,000 for modeling energy-efficient building scenarios, 2009 – 2010.
- ◆ **National Development Agency of Hungary**, HUF 5 million for background research for a Post-Lisbon Strategy of the EU in the area of climate and energy policy, 2009 – 2010.
- ◆ **Climate Strategies**, EUR 28,300 for research on Green Investment Schemes, 2008.
- ◆ **EU FP7** program, Changing Behaviour. EUR 176,720, 2008 – 2010.
- ◆ **Australian Government**, EUR 6,000 for standby power analysis of new domestic appliances, 2008.
- ◆ **Hungarian Ministry of Environment and Water**, HUF 3 million for assessing CO₂ mitigation potential in the Hungarian commercial sector, 2008 – 2010.
- ◆ **UNEP**: USD 46,000 for evaluating energy efficiency policy instruments in buildings. 2007 - 2009.
- ◆ **EU FP6** program, Staccato. EUR 96,453. 2007 - 2012
- ◆ **Hungarian Ministry of Environment and Water**, HUF 1.44 million for assessing CO₂ mitigation potential in the Hungarian residential sector, 2007 - 2008.
- ◆ **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 fur 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. Sjoberg, **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

- **Global Environment Facility:** providing strategic advice to STAP on funding directions for the 5th replenishment period in the buildings sector. 2009.
- **Ecofys:** Sectoral Emission Mitigation Potentials: Comparing Bottom-Up and Top-Down Approaches. 2008.
- **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 1995 until 2001.
- 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 National Champion in Orienteering, 1984.