

BENIGNA BOZA-KISS

Research Assistant
International Institute of Applied Systems Analysis (IIASA)
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PROFILE

Master of Science and Master of Philosophy graduate in Environmental Sciences and Policy. Highly motivated, proactive team-worker, with extensive experiences in multicultural and multidisciplinary working environments. Devoted to contributing to climate change mitigation, resource efficiency and sufficiency for a more equitable and liveable future. Attention to detail, responsibility, team, and timing.

WORK EXPERIENCE

- 02/2017-
date **Research Assistant, [International Institute of Applied Systems Analysis](#)** (Laxenburg, Austria)
Management and update of the Energy and Carbon Emissions Inventories Database (ECDB), contribution to low energy demand studies
- 03/2011-
date **Independent consultancy work** (Budapest, Hungary and Mödling, Austria)
Assignments from [European Commission, JRC](#); European Commission [REA](#), [Central European University](#), [UNEP](#), [Regional Environmental Center](#), [EnergoSys Ltd.](#) in topic areas including energy services, ESCOs, financing, smart meters and smart grids, energy efficiency policy assessment, EU energy policies and national action plans, stakeholder engagement, qualitative and semi-quantitative methods, surveying, interviewing, project assessment
- 01/2013 –
09/2015 **Sustainable energy expert** at [GreenDependent Institute](#), (Godollo, Hungary)
Project management and research in the fields of [energy efficiency financing](#), construction, [sustainable behaviour](#), [nearly zero buildings](#)
- 07/2011 –
06/2013 **Lead Researcher and Project Manager, [Central European University, Center for Climate Change and Sustainable Energy Policy](#)** (Budapest, Hungary)
Project management and research leadership of the UNEP supported [SPoD project](#) about policy design in developing countries
- 03/2008-
03/2011 **Scientific/Technical Project Officer, [European Commission, Joint Research Center](#)** (Ispra, Italy)
Support and analysis of the implementation of the Energy End-Use Efficiency and Energy Services Directive (2006/32/EC), and the Energy Efficiency Directive (2012/27/EU)
- 09/2005-
03/2008 **Junior Researcher and Research Assistant, [Central European University, Department of Environmental Sciences and Policy](#)** (Budapest, Hungary)
Project management and research assistantship for IEE, FP6, FP7 projects, including [REMODECE](#), [EnERLIn](#), [El-Tertiary](#), [STACCATO](#), and projects by international donors, such as World Energy Council, World bank, [Australian Government](#), etc.
- 08/2003-
09/2005 **Project and event organizer, [National Center for Epidemiology](#)** (Budapest, Hungary)
Project assistance in health statistics, responsibility for events, communication, filing

FORMAL EDUCATION

- 2013 **MPhil in Environmental Sciences and Policy** (Budapest, Hungary)
[Central European University](#), Department of Environmental Sciences and Policy
- 2004 - **MSc in Environmental Sciences and Policy** (Budapest, Hungary)
2005 [Central European University](#), Department of Environmental Sciences and Policy
and Manchester University
- 1997 - **MSc in Biology** (Budapest, Hungary)
2003 Eötvös Loránd University (ELTE)
- 1997 - **BSc in English Translation of Biology** (Budapest, Hungary)
2001 Eötvös Loránd University (ELTE)

Extracurricular education and training

- 2005 Internship at the European Commission, Joint Research Center (Ispra, Italy)
- 2003 Event Organiser training
- 2002 Training for Young Environmental Leaders (Regional Environmental Center, Szentendre, Hungary)

LIST OF PUBLICATIONS

2017. Bertoldi, P. and **Boza-Kiss, B.** Analysis of barriers and drivers for the development of the ESCO markets in Europe. *Energy Policy* 107: 345-355.
2017. **Boza-Kiss, B.**, Bertoldi, P., Economidou, M. Energy Service Companies in the EU. Status review and recommendations for further market development with a focus on Energy Performance Contracting. Ispra, Italy: European Commission, DG Joint Research Center. Available online: <https://ec.europa.eu/jrc/en/publication/eur-scientific-and-technical-research-reports/energy-service-companies-eu-status-review-and-recommendations-further-market-development>
2017. **Boza-Kiss, B.**, Zangheri, P. Bertoldi, P., Economidou, M. Practices and opportunities for Energy Performance Contracting in the public sector in EU Member States. Ispra, Italy: European Commission, DG Joint Research Center. Available online: <https://ec.europa.eu/jrc/en/publication/eur-scientific-and-technical-research-reports/practices-and-opportunities-energy-performance-contracting-public-sector-eu-member-states>
2016. **Boza-Kiss, B.** and Urge-Vorsatz, D. Evaluation report of the Support for Low Emission Development in South East Europe (SLED) project. Szentendre: Regional Environmental Center.
2016. Kirilenko, A., Hills, C., Urge-Vorsatz, D., Diolaiuti, G.A., Senese, A., Grasso, M., Loeschel, A., Nicholas, K., Frantzeskaki, N., Ivanov, M., **Boza-Kiss, B.**, Kube, R., and Masliukovska, O. Chapter 2.2: Climate Change In Global Environment Outlook, GEO 6: Pan-European Regional Assessment Report: United Nations Environment Programme (UNEP).
2016. Bertoldi, P., Zancanella, P., **Boza-Kiss, B.** Demand Response status in EU Member States. European Commission, Joint Research Center: Ispra, Italy. Available online: <https://ec.europa.eu/jrc/en/publication/eur-scientific-and-technical-research-reports/demand-response-status-eu-member-states>
2016. **Boza-Kiss, B.** Presentation "Handbook of Sustainable Building Policies: a Policy-Formulation Support Tool" at the webinar "Tools for Building Energy Efficiency: Resources for Policy Design" in April 2016 (accessible at: <https://www.youtube.com/watch?v=Pud-gKGvDYg&feature=youtu.be>)
2016. UNEP. The Emissions Gap Report 2016. Chapter Energy Efficiency in Buildings. United Nations Environment Programme (UNEP), Nairobi. Contributing Author.
2016. Bertoldi, P., Economidou, M., **Boza-Kiss, B.** The European ESCO Market Report 2015. Ispra, Italy: European Commission, DG Joint Research Center.
2015. **Boza-Kiss, B.** D2.5 Country Report on Recommendations for Action for Development of EPC Markets – Hungary (Transparens project). Gödöllő, Hungary: GreenDependent Institute.
2014. Bertoldi, P., Stanev, S., **Boza-Kiss, B.**, The Worldwide ESCO Market Report 2013. Ispra, Italy: European Commission, DG Joint Research Center. Available online: <https://ec.europa.eu/jrc/en/publication/eur-scientific-and-technical-research-reports/esco-market-report-non-european-countries-2013>
2014. Bertoldi, P., **Boza-Kiss, B.**, Stanev, S., Labanca, N. The European ESCO Market Report 2013. Ispra, Italy: European Commission, DG Joint Research Center. Available online: <https://ec.europa.eu/jrc/en/publication/eur-scientific-and-technical-research-reports/european-esco-market-report-2013>
2013. **Boza-Kiss, B.** and Vadovics, K. D2.5 Country Report on Recommendations for Action for Development of EPC Markets – Hungary (Transparens project). Gödöllő, Hungary: GreenDependent Institute.

2013. **Boza-Kiss, B.** and Vadovics, K. D2.4 Country Report on Identified Barriers and Success Factors for EPC Project Implementation – Hungary (Transparens project). Gödöllő, Hungary: GreenDependent Institute.
2013. **Boza-Kiss, B.**, Moles Grueso, S, and Urge-Vorsatz, D. Evaluating policy instruments to foster energy efficiency for the sustainable transformation of buildings. *Current Opinion in Environmental Sustainability*.
2013. **Boza-Kiss, B.**, Moles, S., Petrichenko, K., Quick Scan Tool. Central European University, commissioned by the United Nations Environmental Programme. Available at: <http://www.sustainable-buildings-policy-assessment-tools.net/Home.aspx>
2013. **Boza-Kiss, B.**, Moles, S., Handbook of Policy Building Blocks. Central European University, commissioned by the United Nations Environmental Programme.
2011. Marino, A., Bertoldi, P., Rezessy, S., and **Boza-Kiss, B.** A snapshot of the European energy service market in 2010 and policy recommendations to foster a further market development. *Energy Policy* 39: 6190–6198.
2010. **Boza-Kiss, B.** and Bertoldi, P. Study on the costs and benefits of the Action Plan for Energy Efficiency of the European Union 2006 Realising the Potential (COM(2006)545 final): An assessment in accordance with Article 14 of Directive 2006/32/EC on energy end-use efficiency and energy services Available at: http://ec.europa.eu/energy/efficiency/doc/a_vii_ia_eeap.pdf
2010. Marino, A. Bertoldi, P., Rezessy, S., **Boza-Kiss, B.** Energy Service Companies in Europe – Update Report 2010. Ispra, Italy: European Commission, DG Joint Research Center. Available in electronic version at the URL: <http://iet.jrc.ec.europa.eu/energyefficiency/publications/all/339>
2010. Rezessy, S., Bertoldi, P., **Boza-Kiss, B.**, Oikonomou, V. Feed-in tariff for energy saving: thinking of the design. ACEEE 2010.
2009. Ürge-Vorsatz, D., Novikova, A., Köppel, S., **Boza-Kiss, B.** Bottom-up assessment of potentials and costs of CO2 emission mitigation in the buildings sector: insights into the missing elements. *Energy Efficiency* 2: 293-316.
2009. **Boza-Kiss, B.**, Loftus, A-C., Novikova, A., Novikova, V., Sharmina, M., Ürge-Vorsatz, D.. Influence of end-users' behaviour on energy consumption patterns in the Hungarian domestic sector: results of the REMODECE project. The V International Energy Conference 'Climate Change – Energy Awareness – Energy Efficiency', April 16-17 2009. Szeged, Hungary.
2009. **Boza-Kiss, B.**, Novikova, A., Novikova, V., Sharmina, M., Loftus, A-C., Ürge-Vorsatz, D. Analysis of the Hungarian residential energy consumption and influence of the end-user behaviour on energy consumption patterns. EEDAL Conference, 16-18 June 2009, Berlin. Paper in Proceedings.
2009. Valentova, M., **Boza-Kiss, B.**, Barabanova, Y., Harrington, L. Energy savings potential from simple standby reduction devices in Central Eastern Europe. Proceedings of the ECEEE Summer Study Conference. 1-6 June 2009, La Colle sur Loup, France.
2009. Bertoldi, P., Rezessy, S., Oikonomou, V., **Boza-Kiss, B.** Feed-in tariff for energy saving: thinking of the design. Proceedings of the ECEEE Summer Study Conference. 1-6 June 2009, La Colle sur Loup, France.
2008. Appliance Standby Power Consumption Store Survey 2007/2008 – Hungary and Czech Republic. Warragul, Australia: Energy Efficient Strategies Pty Ltd (EES). Available at: <http://www.energyrating.gov.au/standbydata/index.html>. Authors: **Boza-Kiss, B.**, Valentova, M., Barabanova, Y.

2008. Köppel, S., Novikava, V., **Boza-Kiss, B.**, Novikova, A., Graning, S., Ürge-Vorsatz, D. Analysis of electricity consumption in the tertiary sector of Hungary. In Proceedings of “Improving Energy Efficiency in Commercial Building Conference (IEECB’08)”. Frankfurt, 10-11. April. 2008.
2008. Ürge-Vorsatz, D., Köppel, S., Liang, C., **Kiss, B.**, Nair, G. G. and Celikyilmaz, G. An Assessment of Energy Service Companies (ESCOs) Worldwide. In: Energy Efficiency Policies around the World: Review and Evaluation. World Energy Council.
http://www.worldenergy.org/documents/energyefficiency_final_online.pdf.
http://www.worldenergy.org/documents/annex_1_wec_report.pdf
2008. Farsang, A., **Boza-Kiss, B.** Energy-efficient lighting promotion in the residential sector in Hungary: Challenges and opportunities. In Proceedings of Conference of Sustainable Consumption and Production (Score!). March 10-11, 2008. Brussels.
2007. **Boza-Kiss, B.**, Grosser, E. Energiahatékonyság szolgáltató vállalatok (ESCOk) a lakóépületek energiaigényének csökkentése érdekében Magyarországon [Energy Service Companies (ESCOs) for energy demand reduction in residential buildings in Hungary]. In Proceedings of Fenntartható Fogyasztás Konferencia [Conference on Sustainable Consumption], 18 Dec. 2007, Budapest.
2007. **Boza-Kiss, B.**, Bertoldi, P., Rezessy, S. Energy Service Companies in Europe – Update Report. Ispra, Italy: European Commission, DG Joint Research Center. Available in electronic version at the URL: re.jrc.ec.eu.int/energyefficiency/
2007. **Boza-Kiss, B.**, Bertoldi, P., Rezessy, S. Latest Developments of Energy Service Companies across Europe: A European ESCO Update. Experiences from New Member States (2004;2007) and other European countries. Presentation at the Conference Financing Energy Efficiency in CEE. 12-14 September 2007. Krakow.
2007. **Kiss, B.**, Bertoldi, P., Rezessy, S. 2007. Latest developments of the ESCO industry across Europe. In Proceeding of the ECEEE Summer Study Conference. 4-9 June 2007, La Colle sur Loup, France.
2007. **Kiss, B.** Policies and Programmes supporting and barriers hindering the development of the ESCO industry in the EU. Report for the Japanese ESCO Association (JAESCO).
2006. Vadovics, E., **Kiss, B.** Are sustainable electricity production and use possible? In Proceedings of Conference of Sustainable Consumption and Production: Opportunities and Challenges, 23-25 November 2006, Wuppertal, Germany.
2006. **Kiss, B.**, Ürge-Vorsatz, D. Két EU által támogatott energiahatékonysági projekt (REMODECE és EL-TERTIARY) bemutatása [Introducing two EU funded energy efficiency projects: REMODECE and EL-TERTIARY]. Presentation at the Conference Energy Efficiency Indicators in the EU and Hungary. 5 October 2006. Budapest.
2006. Bertoldi, P., Rezessy, S., **Kiss, B.** European policies for energy efficiency: White certificates and ESCOs. Presentation at the Conference Financing Energy Efficiency in CEE. 16-17 October 2006. Budapest.
2006. Bertoldi, P., Rezessy, S., **Kiss, B.** ESCOs in Europe: Highlights from the update Report -2006. Presentation at the Second ESCO Europe Conference. 26-27 September 2006. Prague.
2005. Ürge-Vorsatz, D., **Kiss, B.**: Fourth National Communication to the UNFCCC – Hungary, Chapters on Research, Systematic Observations, and Education, Public Awareness. Budapest, Hungary: Ministry of Environment and Water. URL: www.unfccc.ch
2004. Bakacs, M., Vitrai, J., **Kiss, B.**, Kaposvári Cs.: *The Hungarian Health Information System*. Copenhagen: WHO. URL: www.oek.antsz.hu

2004. **Kiss, B.**, Vargha, M., Márialigeti, K. Horizontális génátvitel elemzése folyami üledékben [Analysis of horizontal gene transfer in river sediment] *Természetvédelmi Közlemények MTBK különszám 11*: 67-76.

