

CURRICULUM VITAE

KLAUS HUBACEK

_____ November, 2017 _____

Personal Information

Education

Rensselaer Polytechnic Institute, Troy, NY	Ph.D. in Ecological Economics	Dec. 2000
Rensselaer Polytechnic Institute	M.Sc. in Economics	Dec. 1998
University of Economics and Business, Vienna, Austria	B.A. in Business Administration (Magister)	June 1991

Appointments

- 2011-present** Professor, Geography, University of Maryland, College Park, USA
- 2015-present** Visiting Professor, Beijing Normal University, Beijing, China.
- 2014-present** Visiting Professor, China Academy of Sciences, Beijing, China.
- 1999-present** Affiliated Research Scholar at the International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria.
- 2010-2013** Senior Research Fellow, Department for Land Economy, University of Cambridge, UK
- 2006-2010** Reader (Associate Professor) in Sustainable Development, School of Earth and Environment, University of Leeds, UK
- 2002-2006** Lecturer (Assistant Professor) at the School for the Environment, University of Leeds, Leeds, UK (since September 2002).
- 2002** Visiting scholar, Institute for Interdisciplinary Studies of Austrian Universities, Department of Social Ecology, Vienna, Austria.
- 2001** Visiting assistant professor, Western Maryland College (now McDaniel), Westminster, MD.
- 2000-2001** Post-doctoral research fellow and instructor, Rensselaer Polytechnic Institute, Troy, NY.
- 1996-2000** PhD student and research and teaching assistant, Rensselaer Polytechnic Institute, Troy, NY.
- 1991-1996** Instructor and researcher at the Interdisciplinary Institute for Environmental Economics and Management, University of Economics and Business, Vienna, Austria.
- 1989-1990** Free-lance researcher, Austrian Institute for Applied Ecology (Ökologieinstitut).

Research, Scholarly, and Creative Activities

Publication statistics (November 2017)

Articles in peer reviewed journals [#]	149	Books and proceedings edited [#]	5
Books [#]	2	Book chapters in edited volumes	38
Special issues edited [#]	7	H-index Google Scholar	54
Papers in PNAS, Nature, Nature Climate Change, Nature Communications	11	Citations Google Scholar	~12400
		i-10 index Google Scholar	135

Books

1. Feng, K. and K. Hubacek (Under Contract). ***Local Consumption and Global Environmental Impacts: Accounting, Trade-offs and Sustainability***. Routledge. Abingdon, UK.
2. Kerschner C., K. Hubacek, C. Prell, K. Feng, I. Arto (Under Contract). ***Economic impacts and vulnerabilities to Peak Oil***. SpringerBriefs in Energy. Series Ed.: Hall, Charles. A.S. Springer.
3. Hubacek, K. (2002). ***The role of land in economic development: a structural approach towards sustainability***. Publisher UMI, 2002. 174 pages
4. Bruckner, W, J Cupal, C Helma, K. Hubacek, W Konrad, C Ocnasik, H Sengstbratl, M Braungart, H Rehbock, M Daunerer, and H Kruse (1991). ***Alternatives to Incinerators for Austria's Household Waste Problems*** [In German]. Ministry for the Environment, Youth and Family Affairs. Vienna. 210 pages.

Edited books and special issues

1. Liu Zhu, Dabo Guan, Klaus Hubacek, Steven J. Davis, Kuishuang Feng, Bin Chen (2017). "Energy consumption and GHG mitigation targets". Special Issue. ***Applied Energy***. [IF=5.6].
2. Hubacek Klaus, Kuishuang Feng, Chen Bin, Shigemi Kagawa (2016). "Linking Local Consumption to Global Impacts." Special Issue. ***Industrial Ecology*** [IF=3.2].
3. Hubacek K and L Fleskens. Eds. (2013). "Modeling Land Management for Ecosystem Services". Special Issue. ***Regional Environmental Change***. [IF=2.0].
4. Hubacek K and J Pavola. Eds. (2013). "Ecosystem Services, Governance and Stakeholder Participation". Special Issue. ***Ecology and Society***. [IF=2.8].
5. Kronenberg, J. and K. Hubacek. Eds. (2013). "Urban Ecosystem Services". Special Issue. ***Landscape and Urban Planning***. 109, Issue 1, Pages 1-128 [IF=2.3].
6. Michael L. Lahr and Klaus Hubacek. Eds. (2011). ***Proceedings of the 19th International Input-Output Conference***, Alexandria, VA June 13-17, 2011.
7. Jose Manuel Rueda-Cantuche and Klaus Hubacek. Ed. (2010). ***Proceedings of the 18th International Input-Output Conference***, Sydney, Australia, June 20-25, 2010.
8. Tukker, A., Cohen, M., Hubacek, K., and Mont, O. Eds. (2010). "Sustainable Consumption", Special Issue. ***Industrial Ecology***. Vol. 14/1. [IF=3.1]

9. Crona, B. and Hubacek, K. Eds. (2010). "Social network analysis in natural resource governance" Special Issue, ***Ecology & Society***. [IF=2.8]. <http://www.ecologyandsociety.org/issues/view.php?sf=48>
10. Bonn, A, K. Hubacek, T.E. Allott and J. Stuart. Eds. (2009). ***Drivers of Environmental Change in Uplands***. Routledge. London and New York. 544 pages.
11. Hubacek, Klaus. Ed. (2007). ***Proceedings of the 16th International Input-Output Conference***, Istanbul, Turkey July 2-6, 2007. 20. - 25.06.2010 Sydney, Australia
12. Hubacek, K., Inaba, A., and Stagl, S. Eds. (2004). Proceedings for the International Workshop on Driving Forces to and Barriers to Sustainable Consumption. 5-6th March, 2004. Leeds, UK. 403 pages.

Chapters in Books

1. Vogt-Schilb, Adrien, Estefanía Marchán, Kuishuang Feng, and Klaus Hubacek. (In Press). "Distributive Impact of Energy Subsidies and Reform." In: Marchan, E., Espinasa, R., Yepez-Garcia, A., (Eds.). ***The Other Side of the Boom: Energy Prices and Subsidies in Latin America and the Caribbean during the Super-Cycle***. Inter-American Development Bank, Washington D.C.
2. Prell, Christina, Klaus Hubacek, Laixiang Sun and Kuishuang Feng (2018). "Global trade, pollution and mortality." Arne Geschke, Joy Murray, Arunima Malik (eds.). ***The social costs of trade***. Pan Stanford Publisher. Singapore. 11 pages.
3. Hubacek K., F. Ravera, D. Tarrason, C. Prell (2017). "Participatory Modeling for Environmental Decision-making". Douglas Richardson, Noel Castree, Michael F. Goodchild, Audrey Kobayashi, Weidong Liu, Richard A. Marston (eds.). ***International Encyclopedia of Geography: People, the Earth, Environment, and Technology***. John Wiley & Sons, Inc. Hoboken, NJ.
4. Feng, K. and K. Hubacek (2015). "A multi-region input-output analysis of global virtual water flows." In: Matthias Ruth (Ed.). ***Handbook of Methods and Applications in Environmental Studies***. Edward Elgar Publishing. Pages: 225-246.
5. Dabo Guan, Ashok Chapagain, Jan Minx, Martin Bruckner and Klaus Hubacek (2015). "Material Flow Accounting of the UK. Linking UK consumption to global impacts with an example of imports from China". In: Shunsuke Managi (ed.). ***Handbook of Environmental Economics in Asia***. Routledge. Abingdon, UK. Pages 570-588.
6. Lindner, Sören, Dabo Guan and Klaus Hubacek (2014). "Measuring Embodied Emission Flows for the Interdependent Economies within China". In: Shunsuke Managi (ed.). ***Handbook of Environmental Economics in Asia***. Routledge. Abingdon, UK. Pages 552-569.
7. Feng, K and K Hubacek (2013). Distribution of CO2 emissions in China's supply chains: a MRIO analysis. In: Murray J and M Lenzen (eds.) ***The Sustainability Practitioner's Guide to Multi-Regional Input-Output Analysis***. Common Ground Publishers: Champaign, IL.
8. Yu, Y, Feng, K and K Hubacek (2013). "Consumption-based inventory of global land use." In: Murray J and M Lenzen (eds.) ***The Sustainability Practitioner's Guide to Multi-Regional Input-Output Analysis***. Common Ground Publishers: Champaign, IL.

9. Muñoz, P., K. Hubacek and R. Strohmaier (2012). "Economic drivers of Natural Resource Use in Chile: 1986-2003." In: Diego Rivera Salazar (ed.). **Chile: Environmental, Political and Social Issues**. Nova Science Publishers.
10. Xin L., K. Hubacek, and Y. L. Siu (2011). Wind power in China: Dream or reality? In: Jesús Ramos-Martín, Mario Giampietro, Sergio Ulgiati, and Sandra G.F. Bukkens (Editors). **Can We Break the Addiction to Fossil Energy?** Proceedings of the 7th Biennial International Workshop Advances in Energy Studies, Barcelona, Spain, 19-21 October 2010. UAB, Barcelona, pp. 169-177. ISBN 978-84-938852-9-8.
11. Crona, B.I., Ernstson, H., Prell, C., Reed, M. and Hubacek, K., Newig, J. (2011). "Network-related approaches and theories in resource management." In Prell, C and Bodin, O. **Social Networks and Natural Resource Management: Uncovering the Social Fabric of Environmental Governance**. Cambridge University Press.
12. Prell, C., Reed, M. and Hubacek, K., (2011). "Social network analysis for stakeholder selection." In Prell, C and Bodin, O. **Social Networks and Natural Resource Management: Uncovering the Social Fabric of Environmental Governance**. Cambridge University Press.
13. Hubacek, Klaus, Kuishuang Feng and Chen Bin. (2010). "Lifestyle, technology and CO2 emissions in China." The Encyclopaedia of Earth. <http://www.eoearth.org>
14. Ogarenko I. and K. Hubacek. 2010. CO2 Emission Reduction Resulting from Eliminating Energy Subsidies in Ukraine. Towards a Green Economy: Young Researchers Perspective. Nakladatelstvi a vydavatelstvi litomyslskeho seminare - Litomysl Seminar Publishing: Prague.
15. Holden J., M Reed, K Hubacek, F Worrall, N Beharry-Borg, T Burt, P Chapman, A Dougill, E Fraser, B Irvine, N Jin, M Kirkby, C Prell, C Quinn, M Termansen, S Buckmaster. (2010). Sustainable uplands for sustainable lowlands. In Yorkshire's green and healthy land? Connecting urban and rural greenspace. Aterden M, A Bloomer, V Wallace (eds). PLACE, York.
16. Nanlin Jin, DS Chapman, Klaus Hubacek (2009). Adaptive land-use management in dynamic ecological system, Applications of Evolutionary Computing, 152-161.
17. Hubacek, K and M. Reed (2009). "Lessons learned from participatory planning and management in the Peak District National Park, England." In: Allen, C and G Stankey (eds.). **Adaptive Environmental Management: A practical guide**. Springer. pp. 189-202.
18. Hubacek, K, N. Beharry, A Bonn, T. Burt, J Holden, F Ravera*, M Reed, L Stringer, D Tarrasón (2009). "Ecosystem services in dynamic and contested landscapes: the case of UK uplands." In: Winter, M and M Lobley (eds). **What is Land for? The Food, Fuel and Climate Change Debate**. Earthscan. London. pp. 167-188.
19. Hubacek, K, K Dehnen-Schmutz, M Qasim* and M Termansen (2009). "Description of the upland economy: areas of outstanding beauty and marginal economic performance". In: Bonn, A., K Hubacek, T.E.Allott and J. Stuart (eds.). **Drivers of Environmental Change in Uplands**. Routledge. London and New York
20. Bonn, A, K Hubacek, TE Allott and J Stuart (2009). "Drivers of Change in Upland Environments: Concepts and Threats". In: Bonn, A., K Hubacek, TE Allott and J Stuart (eds.). **Drivers of Environmental Change in Uplands**. Routledge. London and New York

21. Bonn, A, K Hubacek, T E Allott and J Stuart (2009). "Managing Change in the Uplands: Challenges and Visions for the Future". In: Bonn, A., K Hubacek, TE Allott and J Stuart (eds.). ***Drivers of Environmental Change in Uplands***. Routledge. London and New York.
22. Giljum,S and K Hubacek (2009). "Physical Input-output Analysis and Material Flow Analysis." ***Handbook of Input-Output Economics for Industrial Ecology***. Springer: Dordrecht, NL.
23. Dietzenbacher, E, S Giljum, K Hubacek and S Suh (2009). "Physical Input-Output Analysis and Disposals to Nature." ***Handbook of Input-Output Economics for Industrial Ecology***. Springer: Dordrecht, NL.
24. Jin, N, M Termansen, K Hubacek (2008). "Genetic Algorithms for dynamic land-use optimization." ***Evolutionary Computation, 2008***. CEC 2008. (IEEE World Congress on Computational Intelligence). ISBN: 978-1-4244-1822-0.
25. Barua, A* and K Hubacek (2008). "Relationship between economic growth and water pollution in India". In: Gunjan Malhotra (ed.). ***Environment and Development***. Macmillan India, New Delhi.
26. Hubacek, K¹, E Fraser and S Thapa (2008). "Land Use Governance". In: O'Hara, P (ed.). ***International Encyclopedia of Public Policy, Governance in a Global Age***. Vol. 3. GPERU: Perth.
27. Hubacek, K, E Fraser and K Korytarova (2008). "Food and the Environment: (Neo-) Malthusianism Arguments and Population Growth". In: O'Hara, P (ed.). ***International Encyclopedia of Public Policy, Governance in a Global Age***. Vol. 3, GPERU: Perth.
28. Kerschner, C and K Hubacek (2008). "Assessing the suitability of input-output analysis for enhancing our understanding of potential effects of peak oil." Proceedings of the Fourth Biennial International Workshop, ***Advances in Energy Studies***, Porto Venere, Italy, September, 2006.
29. Jin, N M Termansen, K Hubacek, J Holden, M Kirkby, "Adaptive Farming Strategies for Dynamic Economic Environments", in Proceedings of the ***2007 Congress on Evolutionary Computation*** (IEEE CEC) 2007. Page(s):1213 – 1220. IEEE press, 2007. ISBN: 1-4244-1340-0. doi:10.1109/CEC.2007.4424608
30. Vieira, R*, S Stagl, and K Hubacek. (2007). "Complexity and the DPSIR framework as a basis for a sustainable water management" (pp. 73-89). In ***Sustainable Urban Development: An Interdisciplinary Approach***. Shmeleva IA and SE Smelev (eds.) St. Petersburg State University Press: St. Peterburg, 243 pp.
31. Fraser, E and K Hubacek (2007). "The challenge of land use change: international dimensions" In: Steininger, K and M Cogoy. ***The Economics of Sustainable Development: International Perspectives***. Edward Elgar: Cheltenham, UK
32. Hubacek, K, D Guan, L Sun (2005). "An analysis of China's water problems: A long term perspective". W., L.eal (ed.). ***Handbook on Sustainability Research***. Peter Lang Scientific Publishers: Frankfurt, New York, Bern, Vienna.
33. Hubacek, K and J Vazquez (2002). "Economics of Land Use." In: ***Knowledge base for Sustainable Development. An Insight into the Encyclopaedia of Life support Systems***, UNESCO Publishing-EOLSS Publishers, Oxford, UK
34. Stagl, S, G Cox, J Erickson, and K Hubacek (2001). "A Multi-Criteria Analysis for Open Space Conservation in New York State." In: Makowski, M and H Nakayama (eds.).

Natural Resources Management and System Analysis. International Institute for Applied Systems Analysis, Laxenburg, Austria.

35. Hubacek, K and L Sun (2001). "Combining Input-Output Analysis and Geographical Information Systems (GIS): A Case Study for Land Use Change in China." In: Makowski, M and H Nakayama (eds.) **Natural Resources Management and System Analysis.** International Institute for Applied Systems Analysis, Laxenburg, Austria.
36. Hubacek, K and W Bauer (2001). "Conservation and Social Discourse Processes: An Example from Austria." In: Köhn, J, J Gowdy, and J van der Straaten (eds.). **Sustainability in Action: Sectoral and Regional Case Studies.** Edward Elgar, London.
37. Hubacek K and W Bauer (1999). "Austrian Case Study on Economic Incentive Measures in the Creation of the National Park Neusiedler See - Seewinkel: Summary" In: **OECD Case Studies on the Design and Implementation of Incentive Measures for the Conservation and Sustainable Use of Biodiversity.** OECD, Paris. ISBN 9264170596.
38. Hubacek, K, R Hackstock, O Kastner, and M Ornetzeder (1997). "Diffusion of Solar Water Heaters in Austria." In: Fohler-Norek, C and R Paulesich (eds.). **WU Umwelt Reader.** Umwelt und Wirtschaft an der Wirtschaftsuniversitaet Wien. Verlag Österreich, Vienna.

Articles in Refereed Journals

Citation Impact factors (IF) of journals taken from Web of Science, 2012; * refers to corresponding author, # supervised students, post-docs or visiting scholars as first authors

1. Gray, S., Voinov, A., Paolisso, M., Jordan, R., BenDor, T., Bommel, P., Glynn, P., Hedelin, B., Hubacek, K., Introne, J., Kolagani, N., Laursen, B., Prell, C., Schmitt Olabisi, L., Singer, A., Sterling, E. and Zellner, M. (2018). "Purpose, processes, partnerships, and products: four Ps to advance participatory socio-environmental modeling." **Ecological Applications.** 28/1. pp. 46–61. doi:10.1002/eap.1627 [IF=4.3].
2. David White#, Klaus Hubacek, Kuishuang Feng, Laixiang Sun, Bo Meng (2018). The Water-Energy-Food Nexus in East Asia: A Tele-connected Value Chain Analysis Using Inter-Regional Input-Output Analysis. **Applied Energy.** Volume 210, Pages 550-567. doi.org/10.1016/j.apenergy.2017.05.159 [IF=5.7].
3. Mi, Zhifu, Jing Meng, Dabo Guan, Yuli Shan, Malin Song, Yi-Ming Wei, Zhu Liu, Klaus Hubacek. (2017). "China's reversing emission flows." **Nature Communications.** Vol. 8.1. 1712. 10.1038/s41467-017-01820-w [11.5].
4. Munoz Castillo#, Raul, Kuishuang Feng, Klaus Hubacek, Laixiang Sun, Joaquim Guilhoto, Fernando Miralles-Wilhelm (2017). "Uncovering the Green, Blue and Grey Water Footprint and Virtual Water of Biofuel Production in Brazil, a Nexus perspective." **Sustainability.** 9, 2049; doi:10.3390/su9112049 [IF=1.8].
5. Hubacek, K., Baiocchi, G., Feng, K., Patwardhan (2017). "Poverty eradication in a carbon constrained world." **Nature Communications.** 8: 912. [IF=11.5].
6. Hubacek, K., Baiocchi, G., Feng, K., Munoz Castillo, R., Sun, L, Xue, Jinjun. (2017). "Global carbon inequality." **Energy, Ecology and Environment.** Volume 2, Issue 6, pp 361–369.
7. Prell, C., L. Sun, K. Feng, J. He, K. Hubacek (2017). "Uncovering the spatially distant feedback loops of global trade: A network and input-output approach." **Science of the Total Environment** Volume 586, 15 May 2017, Pages 401–408. [IF=4.0].

8. Marselis, Suzanne[#]; Kuishuang Feng; Yu Liu; Jose D. Teodoro; Klaus Hubacek (2017). Agricultural land displacement and undernourishment. *Journal of Cleaner Production*. Vol. 161. Pages: 619-628. [IF=5].
9. Wang, Shaojian, Chunshan Zhou, Zhenbo Wang, Kuishuang Feng, Klaus Hubacek* (2017). "The characteristics and drivers of fine particulate matter (PM2.5) distribution in China." *Journal of Cleaner Production*, Volume 142, Part 4, Pages 1800-1809. [IF=5].
10. Acquaye, Adolf, Kuishuang Feng, Eunice Oppon, Said Salhi, Taofeeq Ibn-Mohammed; Andrea Genovese, Klaus Hubacek* (2017). Measuring the Environmental Sustainability Performance of Global Supply Chains: a Multi-Regional Input-Output analysis for Carbon, Sulphur Oxide and Water Footprints. *Journal of Environmental Management*. Volume 187, 1 February 2017, Pages 571–585. [IF=3.1].
11. Brizga Janis[#], Kuishuang Feng, Klaus Hubacek* (2017). "Household carbon footprints in the Baltic States: a global multi-regional input-output analysis from 1995-2011." *Applied Energy*. Volume 189 pages: 780–788. [IF=5.7].
12. Picciolo, Francesco, Andreas Papandreou, Klaus Hubacek*, Franco Ruzzenenti (2017). "How crude oil prices shape the global division of labor." *Applied Energy*. Volume 189, 1 March 2017, Pages 753–761 [IF=5.7].
13. Koh, S.C.L, Ibn-Mohammed, T., Acquaye, A., Feng, K., Reaney, I.M., Hubacek, K., Khatab, K. (2016). "Drivers of US toxicological footprints trajectory 1998 - 2013". *Scientific Reports*. 6:39514. [IF=5.2]
14. Hofferth, Sandra, Emilio Moran, Barbara Entwisle, J. Lawrence Aber, Henry Brady, Dalton Conley, Susan Cutter, Catherine Eckel, Darrick Hamilton, and Klaus Hubacek (2016). "Introduction: History and Motivation." In *New Developments in Data Collection: Linking Data across Levels*. Edited by Sandra Hofferth and Emilio Moran. Special issue. *Annals of the American Association of Political and Social Science*. vol. 669, 1: pp. 6-17. [IF=1.7].
15. Liu, Zhu, Kuishuang Feng, Steven J. Davis, Dabo Guan, Bin Chen, Klaus Hubacek, Jinyue Yan. (2016). "Understanding the energy consumption and greenhouse gas emissions and the implication for achieving climate change mitigation targets." *Applied Energy*. Volume 184, Pages 737-741 [IF=5.7].
16. Motesharrei, Safa, Jorge Rivas, Eugenia Kalnay, Ghassem Asrar, Antonio Busalacchi, Robert Cahalan, Mark A. Cane, Rita Colwell, Kuishuang Feng, Rachel Franklin, Klaus Hubacek, Fernando Miralles-Wilhelm, Takemasa Miyoshi, Matthias Ruth, Roald Sagdeev, Adel Shirmohammadi, Jagadish Shukla, Jelena Srebric, Victor Yakovenko, and Ning Zeng. (2016). "Population, Inequality, and Resource-Use: Modeling Sustainability Requires Bidirectional Coupling of the Earth and Human Systems." *National Science Review*. 3: 470–494 [IF=8.0].
17. Qian Wang, Klaus Hubacek*, Kuishuang Feng, Yi-Ming Wei, Qiao-Mei Liang. (2016). "Distributional effects of carbon taxation." *Applied Energy*. Volume 184, Pages 1123-1131 [IF=5.6].
18. Liu, Yu, Bo Meng, Klaus Hubacek, Jinjun Xue, Kuishuang Feng, Yuning Gao (2016). "Made in China': A reevaluation of embodied CO2 emissions in Chinese exports using firm heterogeneity information." *Applied Energy*. Volume 184, Pages 1106-1113 [IF=5.6].

19. Xu Zhao, Junguo Liu, Hong Yang, Rosa Duarte, Martin R Tillotson, Klaus Hubacek (In Press). "Burden-shifting of water quantity and quality stress from mega-city Shanghai." ***Water Resources Research***. 52, 6916–6927, doi:10.1002/2016WR018595 [IF=3.7]
20. Kronenberg, Jakob and Klaus Hubacek (2016). "From poverty trap to ecosystem service curse." ***Sustainability Science***. [IF=3.1].
21. Zhang, Yan, Hongmei Zheng, Bin Chen, Xiangyi Yu, Klaus Hubacek, Ruilin Wu, Xiaoxi Sun (In Press). "Ecological network analysis of embodied energy exchanges among the seven regions of China" ***Industrial Ecology*** Volume 20, Issue 3, Pages: 472–483, [IF=3.2].
22. Hubacek Klaus*, Kuishuang Feng, Chen Bin, Shigemi Kagawa (2016). "Linking Local Consumption to Global Impacts." ***Industrial Ecology*** Volume 20, Issue 3, Pages: 382–386. [IF=3.2].
23. Feng, Kuishuang#, Steven Davis, Laixiang Sun, Klaus Hubacek* (2016). Reply to "Contribution of Natural Gas to U.S. CO2 Emission Reductions Since 2007 Greater than Proposed." ***Nature Communications***. [IF=11.5].
24. Duarte, Rosa, Kuishuang Feng, Klaus Hubacek, Julio Sánchez-Chóliz, Cristina Sarasa#, and Laixiang Sun (2016). "Modeling the carbon consequences of pro-environmental consumer behavior." ***Applied Energy***. Volume 184, Pages 1207-1216 [IF=5.7].
25. Yu, Yang# and Feng, Kuishuang and Hubacek, Klaus* and Sun, Laixiang (2016). "Global Implications of China's Future Food Consumption." ***Industrial Ecology***. Volume 20, Issue 3, Pages: 593–602, [IF=3.2].
26. Choi, Jun-Ki, Bhavik Bhaskhi, Klaus Hubacek (2016). "A Sequential Input-Output Framework to Analyze the Economic and Environmental Implications of Energy Policies: Gas Taxes and Fuel Subsidies". ***Applied Energy***. Volume 184, Pages 830-839. [IF=5.7].
27. Feng, K# and K. Hubacek* (2016). "Carbon implications of China's urbanization." ***Energy, Ecology and Environment***. 1/1: 39-44.
28. Hubacek, K.* and K. Feng (2016). "Comparing apples and oranges: some confusion about using and interpreting physical trade matrices versus multi-regional input-output analysis" ***Land Use Policy***. Volume 50. Pages 194-201. [IF=2.6].
29. Liu, Zhu, Steven J. Davis, Kuishuang Feng, Klaus Hubacek, Sai Liang, Laura Diaz Anadon, Bin Chen, Jingru Liu and Dabo Guan. (2016). "Targeted opportunities to address the climate-trade dilemma in China." ***Nature Climate Change***. 6, 201–206. [IF=15.3].
30. Wang, H., S. Qureshi, S. Knapp, C.R. Friedman, and K. Hubacek (2015). "A basic assessment of residential plant diversity and its ecosystem services and disservices in Beijing, China." ***Applied Geography***. Vol. 64, pages 121-131 [IF=3.1].
31. Oteros-Rozas, Elisa, Berta Martín-López, Tim Daw, Erin Bohensky, James Butler, Rosemary Hill, Julia Martin-Ortega, Allyson Quinlan, Federica Ravera, Isabel Ruiz-Mallén, Matilda Thyresson, Jayalaxshmi Mistry, Ignacio Palomo, Garry Peterson, Tobias Plieninger, Kerry Waylen, Dylan Beach, Iris Bohnet, Maike Hamann, Jan Hanspach, Klaus Hubacek, Sandra Lavorel, Sandra Vilardy (2015). "Participatory scenario-planning in place-based social-ecological research: insights and experiences from 23 case studies." ***Ecology & Society***. ES-2015-7985. [IF=2.7].

32. Zhou, Naijun, Klaus Hubacek* and Mark Peters (2015). Analysis of Spatial Economic Growth Patterns across South Asia using DMSP-OLS Night-time Lights Data Applied Geography. **Applied Geography**. Volume 63, pp. 292-303. [IF=3.1].
33. Feng, Kuishuang#, Steven Davis, Laixiang Sun, Klaus Hubacek* (2015). Drivers of U.S. CO2 emissions 1997-2013. **Nature Communications**. 6, 7714. [IF=11.5].
34. Kagawa, Shigemi, Sangwon Suh; Klaus Hubacek; Thomas Wiedmann, Keisuke Nansai; Jan Minx (2015). "Identification of CO2 Emission Clusters within Global Supply-Chain Networks and the Implications for Climate Mitigation Global Environmental Change." **Global Environmental Change**. Vol. 35. pages: 486–496 [IF=6.0].
35. Li, Y., Li Y., S. Qureshi, M. Kappas, K. Hubacek (2015). "On the relationship between landscape ecological patterns and water quality across gradient zones of rapid urbanization in coastal China. **Ecological Modeling**. Vol. 318. Pages: 100-108. [IF=2.3].
36. Liu, Z., K. Feng, K. Hubacek, S. Liang, L.D. Anadon, C. Zhang, and D. Guan (2015). "Four System Boundaries for Carbon Accounts." **Ecological Modeling**. Volume 318, Pages 118–125. [IF=2.3].
37. White, D. #, K. Feng, L. Sun, K. Hubacek* (2015). "A Hydro-economic MRIO Analysis of the Haihe River Basin's Water Footprint and Water Stress Ecological Modelling." **Ecological Modeling**. Vol. 318. Pages: 157–167 [IF=2.3].
38. Liu, Zhu, Dabo Guan, Wei Wei, Steven J. Davis, Philippe Ciais, Jin Bai, Shushi Peng, Qiang Zhang, Klaus Hubacek, Gregg Marland, Robert J. Andres, Douglas Crawford-Brown, Jintai Lin, Hongyan Zhao, Chaopeng Hong, Thomas A. Boden, Kuishuang Feng, Glen P. Peters, Fengming Xi, Junguo Liu, Yuan Li, Yu Zhao, Ning Zeng and Kebin He (2015). "Reduced carbon emission estimates from fossil fuel combustion and cement production in China" **Nature**. 524, 335–338 [IF=42.3].
39. Thapa Karkia, Shova# and Klaus Hubacek. 2015. Developing a conceptual framework for the attitude–intention–behaviour links driving illegal resource extraction in Bardia National Park, Nepal. **Ecological Economics**. Volume 117, Pages 129–139. [IF=2.9].
40. Yao#, Feng, Hubacek (2015). "Driving Forces of CO2 Emissions among G20 Countries: An Index Decomposition Analysis from 1971 to 2010". **Ecological Informatics**. Vol. 23. pp. 93-100. [IF=1.4].
41. Li, X. #, K. Feng, Y. L. Siu, K. Hubacek (2015): "Challenges faced when energy meets water: CO2 and water implications of power generation in Inner Mongolia of China." **Renewable & Sustainable Energy Reviews**. Volume 45, May 2015, Pages 419–430. [IF=5.5].
42. Zhao, X., J. Liu, Q. Liu, M.R Tillotson, D. Guan, K. Hubacek (2015). "Real and virtual Water Transfers for Regional Water Stress Alleviation in China." **Proceedings of the National Academy of Sciences**. vol. 112 no. 4. 1031–1035. [IF=9.7].
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145. Hubacek, K* and S Giljum (2003). "Using Physical Input-Output Tables to Estimate Land Appropriation (Ecological Footprints) for Production and Consumption." *Ecological Economics* Vol. 44/1, pp. 137-151. [IF=2.9]
146. Duchin, F and K Hubacek (2003). "Linking Social Expenditures to Household Lifestyles: The Social Accounting Matrix." *Futures: The Journal of Policy, Planning, and Futures Studies* Vol. 35, No. 1, pp. 61-74 [IF=1.1].
147. Hubacek, K*, J Erickson, and F Duchin (2002). "Input-Output Modeling of Protected Landscapes: The Adirondack Park" *The Review of Regional Studies* Vol. 32/2, pp. 207-222.
148. Hubacek, K* and L Sun (2001). "A Scenario Analysis of China's Land Use Change: Incorporating Biophysical Information into Input-Output Modeling." *Structural Change and Economic Dynamics* Vol. 12/4, pp. 367-397.
149. Gowdy, J and K Hubacek (2000). "Land, Labor and the Economic Man: Toward a New Vision of Sustainability." *International Journal of Agricultural Resources, Governance and Ecology* Vol. 1/1, pp. 17-27.

Viewpoint Articles, non-peer reviewed articles, and Notes.

1. Conley, Dalton, J. Lawrence Aber, Henry Brady, Susan Cutter, Catherine Eckel, Barbara Entwisle, Darrick Hamilton, Sandra Hofferth, Klaus Hubacek, Emilio Moran, John Scholz (2015). "Big Data. Big Obstacles." *The Chronicle of Higher Education*. February 2, 2015.
2. Emilio F. Moran, E.F., S.L. Hofferth, C.C. Eckel, D. Hamilton, B. Entwisle, J. L. Aber, H. E. Brady, D. Conley, S.L. Cutter, K. Hubacek, J.T. Scholz. (2014). "Building a 21st-century infrastructure for the social sciences." Opinion. *Proceedings of the National Academy of Sciences*. vol. 111 | no. 45 | 15855–15856.

3. Wen, C., YL Siu, K. Hubacek (2012). "Carrot and Stick – A Novel Policy Experiment of Trans-boundary Watershed Protection in China." *Environmental Science & Technology*. Vol. 46. Pages 6451-6452. [IF=5.3].
4. Hubacek, K and D. Guan. (2011). "The net effect of green lifestyles". Viewpoint and News. *Nature Climate Change*. Volume: 1, Pages: 250–251. doi:10.1038/nclimate1181. [IF=15.3].
5. Reed MS, K Hubacek (2011) "Uplands in the balance." *RICS Land Journal*, June/July: 16-20.
6. Guan, D. and K. Hubacek (2011). "Is the concept of a green economy a useful way of framing policy discussions and policymaking to promote sustainable development?" Viewpoints. *Natural Resources Forum*. Vol. 35; p.70.
7. Peter, GP, Guan, D., Hubacek, K., Minx, JC, Weber, CL. (2010). "Effects of China's Economic Growth." Correspondence. *Science*. Vol. 328, pp. 824-825.
8. Guan, D. and K. Hubacek (2010). "China can offer domestic emission cap-and-trade in post 2012". Viewpoint. *Environmental Science & Technology*. Vol. 44 (14), p 5327. [IF=5.3].
9. Liddon, A, MS Reed MS, K Hubacek (2007) "Uplands under pressure." *RICS Land Journal*, Nov/Dec: 19
10. Hubacek, K and L. Sun (2000). "Dance with the Increasing Scarcity of Land." *Forum* 1/2000. Interdisciplinary Research Institute for Asian Studies. Vienna, Austria.
11. Hackstock, R , K Hubacek, O. Kastner, and M Ornetzeder (1995). "Biomass District Heating and Solar Energy in Austria - Models for Successful Dissemination of New Technologies." *Forschungsforum Energie* 2/96.

Monographs, Reports, Working Papers, and Extension Publications

1. Hubacek, Klaus (2016). "Consumption-based accounting of US CO2 emissions from 1990-2010." *IDE Discussion Paper No. 593*. Institute of Developing Economies (IDE), JETRO. Chiba, Japan.
2. Liu, Yu., Bo Meng, Klaus Hubacek, Jinjun Xue, Kuishuang Feng, Y Gao (2016). "How does firm heterogeneity information impact the estimation of embodied carbon emission estimations in Chinese exports?" *IDE Discussion Paper No. 592*. Institute of Developing Economies (IDE), JETRO. Chiba, Japan.
3. Buckmaster, SL., Reed, M.,Burt TP, Chapman D, Chapman PJ, Clay G, Cornell SJ, Fraser EDG, Hodgson JA, Hubacek K, Irvine B, Kirkby MJ, Kunin WE, Prell C, Quinn C, Stagl S, Stringer LC, Termansen M, Worrall F. (2010) What would improving UK food security mean for our hills?, **Sustainable Uplands Film**, Baker Media, ESRC.
4. Buckmaster, SL., Reed, M.,Burt TP, Chapman D, Chapman PJ, Clay G, Cornell SJ, Fraser EDG, Hodgson JA, Hubacek K, Irvine B, Kirkby MJ, Kunin WE, Prell C, Quinn C, Stagl S, Stringer LC, Termansen M, Worrall F. (2010) What if managing carbon and wildlife because the top priority for our hill farmers?, **Sustainable Uplands Film**, Baker Media, ESRC.
5. Buckmaster, SL., Reed, M., Liddon, A., Hubacek, K., Beharry-Borg N, Burt TP, Chapman D, Chapman PJ, Clay G, Cornell SJ, Fraser EDG, Hodgson JA, Irvine B, Kirkby MJ, Kunin WE, Prell C, Quinn C, Stagl S, Stringer LC, Termansen M, Worrall F. (2010) Re-shaping

land use policy for our hills, **Rural Economy and Land Use Policy and Practice Note 14**, ESRC.

6. Buckmaster, SL., Reed, M., Liddon, A., Burt TP, Chapman D, Chapman PJ, Clay G, Cornell SJ, Fraser EDG, Hodgson JA, Hubacek, K., Irvine B, Kirkby MJ, Kunin WE, Prell C, Quinn C, Stagl S, Stringer LC, Termansen M, Worrall F. (2010) Learning to manage future change, Rural **Economy and Land Use Policy and Practice Note 17**, ESRC.
7. Reed MS, Buckmaster S, Moxey AP, Keenleyside C, Fazey I, Scott I, Thomson K, Thorp S, Anderson R, Bateman I, Bryce R, Christie M, Glass J, Hubacek K, Quinn C, Maffey G, Midgely A, Robinson G, Stringer LC, Lowe P, Slee R (2011) Policy Options for Sustainable Management of UK Peatlands, IUCN Technical Review 12, IUCN UK Peatland Programme, Edinburgh.
8. White Paper of the DSD Working Group 3. (2010). "Monitoring and Assessment of Desertification, Land Degradation and Drought: Knowledge Management, Institutions and Economics. Mariam Akhtar-Schuster, Harriet Bigas and Richard Thomas (eds.). Association of DesertNet International. United Nations University – Institute for Water, Environment and Health. Dryland Science for Development Consortium. 133 pages.
9. Bowen, A, PM Forster, A Gouldson, K Hubacek, - R Martin, DW O'Neill*, A. Rap and J. Rydge. (2009). *The Implications of the Economic Slowdown for Greenhouse Gas Emissions and Targets*. **Working Paper of the Center for Climate Change Economics and Policy**. Leeds and London.
10. Hubacek, K, K Feng, D Guan, M Contestabile, J Minx, J Barrett (2009). *Distributional Effects of Climate Change Taxation: The case of the UK*. **Final Report to the World Wild Fund-UK (WWF)**, Panda House, Godalming, GU7 1XR.
11. Hubacek, K, M Termansen, J Smart, N Beharry-Borg (2009). Determining the Socio-economic Implications of Different Land Management Policies in Yorkshire Water's Catchments." **Final Report to Yorkshire Water**.
12. Holden, J, Chapman, PJ, Evans, MG, Haycock, N Hubacek, K, Kay, P, Warburton, J (2007) *Vulnerability of organic soils in England and Wales*. **Department of Environment, Food, Rural Economy and Agriculture (DEFRA) Report SP0352**, full technical report, 151pp.
13. Hubacek, K et al. (2006). *Sustainable Upland Management for Multiple Benefits*. **Research Report to the Rural Economy and Land Use (RELU) Programme**, Ref No: RES-224-25-0088.
14. Reed MS, Prell C, Hubacek K (2005) Sustainable Upland Management for Multiple Benefits: a multi-stakeholder response to the Heather & Grass Burning Code consultation. **Project report to DEFRA's consultation on the review of the Heather and Grass Etc. (Burning) Regulations 1986 and the Heather and Grass Burning Code 1994**. www.env.leeds.ac.uk/sustainableuplands
15. Hubacek K and DS Rothman. (2005). "Review of theory and practice with respect to building and assessing scenarios". **WP 6 of RELU project "Achieving Sustainable Catchment Management: Developing Integrated Approaches and Tools to Inform Future Policies"** (ESRC, NERC, BBSRC: RES-224-25-0081).
16. EUROSTAT (2005). Development of material use in the EU-15: 1970-2001. Material composition, cross-country comparison, and material flow indicators. **EUROSTAT Working Paper and Studies**. Luxembourg: Office for Official Publications of the

European Communities. Prepared by Weisz, H, Krausmann, F, Amann, C, Eisenmenger, N, Hubacek, K

17. Weisz, H, Krausmann, F, Amann, C, Eisenmenger, N, Erb, K, Hubacek, K, Fischer-Kowalski, M (2005): The physical economy of the European Union: Cross-country comparison and determinants of material consumption. Wien: IFF Social Ecology (Social Ecology **Working Paper**; 76).
18. Haas, W, E. Hertwich, K Hubacek, K Korytarova, M Ornetzeder, H Weisz (2005). The Environmental Impacts of Consumption: Research Methods and Driving Forces. **Final Report to the Jubiläumsfonds der Österreichischen Nationalbank** Project-number 10387.
19. Hertwich, E, M Ornetzeder, W Haas, K Hubacek, K Korytarova*, H Weisz (2005). The Environmental Benefit of Car-free Housing Projects: A Case in Vienna. **Final Report to the Society for Non-Traditional Technology**, Japan.
20. Hubacek, K (2004). Parameters for Land Use Scenarios within the GINFORS world trade input-output model. **Project report for the EU-Project Modelling Opportunities And Limits For Restructuring Europe Towards Sustainability (MOSUS)**. Funded by the EU-5th Framework Programme. International Institute for Applied Systems Analysis (IIASA), Austria.
21. Weisz, H, C Amann, N. Eisenmenger, K-H Erb, K Hubacek, F Krausmann, NB Schulz. (2002). Economy-wide Material Flow Accounts and Indicators of Resource Use for the EU. **Project Report. Eurostat** Tender 2001/S 125 - 084782/EN; also published as:
22. EUROSTAT (2002). Material use in the European Union 1980-2000: Indicators and analysis. **EUROSTAT Working Paper and Studies**. Luxembourg: Office for Official Publications of the European Communities, ISBN 92-894-3789-8, ISSN 1725-0625,
23. Hammer, M* and K Hubacek (2002). "Material Flow and Economic Development - Total Material Requirement of the Hungarian Economy." **Interims Report IR-02-057. International Institute for Applied Systems Analysis**, Laxenburg, Austria.
24. Giljum, S and K Hubacek (2001). "International Trade, Material Flows and Land Use: Developing a Physical Trade Balance for the European Union." **Interims Report IR-01-059. International Institute for Applied Systems Analysis**, Laxenburg, Austria.
25. Hubacek, K and L Sun (2000). "Land Use Change at the National and Regional Level in China: A Scenario Analysis Based on Input-Output Modeling." **Interim Report IR-00-053. International Institute for Applied Systems Analysis**, Laxenburg, Austria.
26. Hubacek, K and L Sun (1999). "Land-Use Change in China: A Scenario Analysis based on Input-Output Modeling." **Interims Report IR-99-073. International Institute for Applied Systems Analysis**, Laxenburg, Austria.
27. Hubacek K and W Bauer (1999). "Austrian Case Study on Economic Incentive Measures in the Creation of the National Park Neusiedler See - Seewinkel: Summary" In: OECD Case Studies on the Design and Implementation of Incentive Measures for the Conservation and Sustainable Use of Biodiversity. **OECD Working Papers Series No VII-80**. Organisation for Economic Co-operation and Development. Paris.
28. Hubacek, K and W Bauer (1997). "Economic Incentives - Nationalpark Neusiedler See-Seewinkel." Reports: **R-142. Austrian Federal Environment Agency**, Vienna, Austria. (in German).

29. Ornetzeder, M, R Hackstock, K Hubacek, and O Kastner (1995). *The Consumer's Perception of Thermal Solar Heaters: A Survey of Users and their Neighbours*. Vienna: **Group of Appropriate Technology at the Technical University, Vienna**. (in German).
30. Hackstock, R, K Hubacek, O Kastner, and M Ornetzeder (1995). The Diffusion of Solar Heaters in Austria. Vienna: **Austrian Federal Ministry of Science and Research**. (in German).
31. Hackstock, R, K Hubacek, O Kastner, and M Ornetzeder (1995). An International Comparison of Important Factors for the Diffusion of Thermal Solar Heaters. Vienna: **Austrian Federal Ministry for Science and Research**. (in German).
32. Hackstock, R, K Hubacek, O Kastner, and M Ornetzeder (1995). "Austrian Case Study: Diffusion of Solar Water Heaters." In: Danielsen, O., E. Koukios, and C. Rakos (eds.). *Pathways from Small Scale Experiments to Sustainable Regional Development*. **European Commission, Socio-Economic Environmental Research, DG XII: CEC** Contract No. EV5V-CT92-0086.

Talks, Abstracts, and Other Professional Papers Presented

Invited talks and keynote presentations

1. "Local to Global: Economic and Environmental Trade-offs of the Food-Energy-Water-Ecosystem Nexus". Invited keynote presentation at the US-China Joint Symposium on the Nexus of Food, Energy, and Water Systems. 6-9 December, 2017. Nashville, Tennessee, USA.
2. "Global Income Inequality and Climate Change." Invited keynote presentation at the 6th International Workshop Advances in Cleaner Production. 24-27 May, 2017, Sao Paulo, Brazil.
3. "Carbon implications of consumption choices." Invited Keynote Presentation at the 24th International Input-Output Conference 4-8 July 2016, Korea, Seoul.
4. "Global poverty, income inequality, lifestyles and carbon emissions" Climate - A Hot Topic. UMD Earth Day Festival. University of Maryland, 22. April, 2016.
5. "Global poverty, income inequality, lifestyles and carbon emissions" Austrian Embassy. 11. April, 2016.
6. "Research directions for assessing carbon inequality locally and globally." IDE-JETRO International Joint Project Meeting on "Tracing China's emissions through global value chains." Tokyo, Japan, 29th January, 2016.
7. "Carbon Footprint Profiles of US Households". 26th Pan Pacific Association of Input-output Studies. Tokyo, 30. October, 2015.
8. "Global income inequality and carbon inequality." Keynote speaker at The 29th Economic Research Center/Kitan International Symposium on China, Japan and the Asian Economy in Great Changes. The Nagoya University. 29th October, 2015.
9. "Global income inequality and carbon emissions." Sustainable Loudoun. George Washington University – Ashburn Campus. 23rd October, 2015
10. "Global income inequality and carbon footprints." Keynote speaker at The VI Input-Output Analysis Conference of the Hispanic-American Input-Output Society (SHAIO). Barcelona, 7-9th September, 2015.

11. "Income distribution and carbon footprints." International Workshop on China's Carbon Emissions (CCE 2015), Shanghai, China, 6-9. June 2015.
12. Kalnay, Hubacek, Montesharrei and Rivas (2015). "Modeling coupled natural human systems." Invited seminar at the Smithsonian Environmental Research Center, Annapolis, 2nd December, 2015.
13. "Teleconnecting human activities to environmental impacts at multiple spatial scales". Invited presentation at the Annual Conference of the **American Meteorological Society**. Phoenix, AZ, 6th January, 2015.
14. "Teleconnecting consumption to environmental impacts at multiple spatial scales – research frontiers in environmental footprinting". International workshop on integration of Energy, Ecology and the Environment. Beijing, 8 June, 2014.
15. "Data Issues and Preliminary Results of Income Inequality and Environment Inequality". Invited presentation at the DECPI Global Poverty and Inequality Measurement Workshop **The World Bank**, November 20th, 2014.
16. Panel Discussion on Sustainability Research. **National Science Foundation workshop**. NSF HQ in Arlington, VA. April 2014.
17. Hofferth, S. and K. Hubacek (2014). "Building a 21st Century Infrastructure for the Social Sciences". **Government Accountability Office Seminar**. Washington, D.C. March, 2014.
18. Hubacek, K. and C. Kerschner (2013). "Economic Implications for Peak Oil". **Transatlantic Energy Security Dialog**. London, Washington, Berlin. Teleconference. 10. December 2013.
19. "Approaches for stakeholder involvement in planning for ES: from knowledge transfer to integrated processes." Keynote presentation. RegioResources21, European Land Institute. **A cross-disciplinary dialogue on sustainable development of regional resources**. Catania, Italy. September 18 - 20, 2013.
20. Ecosystems evaluation – discussion panel. **First International Forum on Cities and Climate Change**, jointly held with the First Meeting of the Academic Committee of the Shanghai Climate Change Research Centre. 29th October. Shanghai, China.
21. Panel Discussion. **Wealth Accounting and Valuation of Ecosystem Services**. Second Partnership Meeting 2-4 April 2012, World Bank. Washington, DC.
22. Hubacek K. and C. Prell (2012). "Reflections from a participatory modeling project in the UK uplands." Seminar series. Society and Environment. Department of Sociology. 1st February. University of Maryland, College Park.
23. "Lessons learned from a computer-assisted participatory planning and management process in UK's uplands" **Department of Land Economy. University of Cambridge**. Cambridge, UK. 2010.
24. "Adaptive management to evaluating ecosystem services: Description and reflections on an ongoing project" **Foresight Land Use Futures and RELU's workshop** on land valuation and decision making, 22nd July, 2009, London.
25. "The role of participatory techniques in identifying methods of adaptive governance". **Studies in Alpine communities in a time of change. International conference on Uplands and Resilience. Fondazione Edmund Mach (FEM)**. Trento, Italy, 10. July. 2009.

26. "Accounting for CO2 emissions: UK, China and International Trade" **ESRC Seminar Series on Complexity Economics**, University of Leeds. 24th June, 2009.
27. "Ecosystem services in dynamic and contested landscapes - an interdisciplinary perspective." 28th May, 2009. **Centre for Rural Economy**, University of Newcastle.
28. "Participatory approaches for developing upland communities." **Expert workshop for the Commission for the Rural Community**. 22th and 23rd May, 2009, Penrith, UK
29. "Towards a 'New Deal' in climate policy! A consumption-based approach for mitigation of GHG emissions." **Chair's Seminar Series for the Air Resources Board. California Environmental Protection Agency**. 8th April 2009. Sacramento, CA.
30. Bonn, A. and Hubacek, K (2009). "Ecosystem services in uplands". **Expert workshop for the Commission for the Rural Community**. 20th March, Alnwick, UK
31. "Consumption based approach to GHG emissions accounting." **International workshop Support of Shaping the Post Kyoto Climate Regime**. The Regional Environmental Center for Central and Eastern Europe. March 5-6, 2009. Szentendre, Hungary.
32. "Sustainable Uplands: Combining participatory research and integrated socio-biophysical models." **RELU Workshop on Expert Systems for Natural Resources Management**. 14.01. 2009. London International Development Centre.
33. Hubacek, K (2008) "What is just when accounting emissions to a country? Consumption-based approach (CBA) for mitigation of GHG emissions." **Local Cities and Local Governments (ICLEI) Side event at the UNCCC COP14**, Poznan, Poland.
34. Hubacek, K (2008) "The case of USA and China. Consumption emissions from specific countries." **Government of Catalonia's Side event at the UNCCC COP14**, Poznan, Poland.
35. Kirkby, M., M. Termansen, K Hubacek et al. (2008). "Sustainable Uplands – Combining participatory research and integrated agent based models." 2008 Annual Conference – **Living Upland Landscapes**. Castleton, UK
36. Hubacek K et al. (2008). "The Upland Economy: Ecosystem Services and Rural Livelihoods". **ESRC/NERC Seminar on Interdisciplinary Research on Ecosystem Services: Fire and Climate Change in UK Moorlands and Heaths**. Edinburgh, 31. March 2008.
37. Hubacek K et al. (2008). "Working with stakeholders - a mediated modeling approach in UK uplands". **Seminar at the Macauley Institute for Land Use Change**. Aberdeen, 13. February 2008.
38. Hubacek K (2007). "Managing uncertainty in complex socio-environmental systems: A mediated modelling approach", **Seminar at the Economics Department, University of Groningen**, NL, January 2007.
39. Hubacek K (2006). "China's environmental costs of development", **Seminar at the Environment Department, University of York**, December 2006.
40. Hubacek K, Prell, C, Reed M., Quinn, C., Jin N., Holden, J., Burt, T.P., Kirkby, M., Sendzimir, J. (2007). If you have a hammer everything looks like a nail: 'traditional' versus participatory modelling approaches". **CAIWA 2007 International Conference on Adaptive, Integrated Water Management**, Basel, Switzerland, 12 - 15 November 2007.

41. Quinn Claire, Hubacek K et al. (2007). "Stakeholder Participation in the Strategic Management of Upland Landscapes". **RELU/LARCI/Northern Rural Network Conference on "Research on Rural Resource Management and the Rural Economy: Addressing the Local Dimension"**. 16. May 2007.
42. Hubacek, K et al. (2006). "**Sustainable Uplands: Frameworks for Adaptive Learning**". **MFF conference "Drivers of Change"**. Castleton, UK
43. Hubacek, K and C Niemi (2006). "Case studies measuring social capital for sustainable consumption". **Industrial Ecology Gordon Research conference**, Oxford, August 2006.
44. Hubacek K, Prell C et al. (2006). "Stakeholder identities and stakeholder mapping in futures research". **Rural Futures Conference**, Plymouth, 5.-7. April, 2006.
45. Hubacek K, Reed MS, Fraser EDG, Dougill AJ, Prell C, (2006). "Upland Management and implementation of the CAP." **Rural Economy and Land Use conference**, Manchester, January 2006.
46. Hubacek K et al.(2005). "Doing Adaptive Learning Rural Research: Lessons from the Peak District National Park", **BioScene 2005 - Biodiversity Conservation and Sustainable Development in the Mountain Areas of Europe: the challenge of interdisciplinary research**, Ioannina, Greece, September.
47. Hubacek, K, Reed MS, Dougill AJ, Burt T, Chapman PJ, Fraser EDG, Holden J, Kirkby MK, Prell C, Sendzimir J, Shotbolt L, Stagl ST, Stringer LC, Turner A, Worrall F (2005). "Sustainable Upland Management for Multiple Benefits", **ESRC/NERC/BBSRC Rural Economy and Land Use Programme: The Challenge for Research**, 19-21 January, Birmingham.
48. Reed MS, Hubacek, K (2005). "Sustainable Upland Management for Multiple Benefits", **UKPopNet Large-scale Upland Manipulation Feasibility Workshop**, Stockholm Environment Centre, University of York, March.
49. Reed MS, Prell C, Hubacek, K (2004). "Managing Uncertainty in Dynamic Socio-Environmental Systems: an application to upland management", **Moors for the Future Conference**, Castleton, UK, October.
50. Hubacek, K, Dabo Guan, and Anamika Barua (2004). "Outcomes of the Sustainable Consumption Conference at Leeds." **Third International Workshop on Sustainable Consumption**. Tokyo, Japan. October 21-22, 2004.
51. Hubacek, K, Katarina K, W Haas, E Hertwich, M Ornetzeder, H Weisz (2003). "Approaches for evaluating sustainable consumption initiatives." **Second International Workshop on Sustainable Consumption**. Tokyo, Japan. December 12-13, 2003.

Full papers in conference proceedings (incomplete)

1. Li, Xin, Klaus Hubacek, Kuishuang Feng, Yim Ling Siu (2012). "Challenges faced when energy meets water: water implications of power generation in the northern regions of China." 20th International Input-Output Association Conference in Bratislava, Slovakia, 25.-29.6.2012.
2. Fu, Xue, Kazushige Shimpo, Klaus Hubacek, Yaxiong Zhang (2012). "China's Industry Potential across region for Carbon Emission Reduction based on optimal 2007 MRIO model." 20th International Input-Output Association Conference in Bratislava, Slovakia, 25.-29.6.2012.

3. Feng, Kuishuang, Klaus Hubacek, Laixiang Sun (2012). "Regional Inequality and CO2 Emissions in China: a consumption based MIRO approach." 20th International Input-Output Association Conference in Bratislava, Slovakia, 25.-29.6.2012.
4. Fu, Xue, Bo Meng, Klaus Hubacek, Kuishuang Feng (2012). "Research on Industry Actual Potential for Carbon Emission Reduction based on Optimal Input-Output model." 20th International Input-Output Association Conference in Bratislava, Slovakia, 25.-29.6.2012.
5. Fu, Xue, Bo Meng, Klaus Hubacek (2012). "Turnpike Optimality in Environment-Input-Output System: Analysis on the Adjustment Potential of China's Industry Structure for Carbon Emission Reduction." 20th International Input-Output Association Conference in Bratislava, Slovakia, 25.-29.6.2012.
6. Feng, Kuishuang, Stephan Pfister, Sangwon Suh, Jan Christoph Minx, Klaus Hubacek (2011). "A multi-region input-output analysis of global virtual water flows." 19th International Input-Output Association Conference in Alexandria, USA, 13-17 June 2011.
7. Lindner, Martin Soeren and Klaus Hubacek (2011). "Embodied energy intensities in Chinese Provinces." 19th International Input-Output Association Conference in Alexandria, USA, 13-17 June 2011.
8. Xin Li, Xin, Klaus Hubacek, Yim Ling Siu, Kuishuang Feng (2011). "Water and energy nexus in energy production: assessing water consumption and CO2 emissions of wind power in China." 19th International Input-Output Association Conference in Alexandria, USA, 13-17 June 2011.
9. Feng, Kuishuang, John Barrett, Thomas Wiedmann, Klaus Hubacek, Jan Minx, Kate Scott (2010). "The role of infrastructure in meeting UK climate change targets: a case study of wind energies." 18th International Input-Output Association Conference in Sydney, Australia, 20-25 June 2010.
10. Lindner, Martin Soeren, Dabo Guan, Klaus Hubacek (2010). "Measuring Embodied Emission Flows for the Interdependent Economies within China." 18th International Input-Output Association Conference in Sydney, Australia, 20-25 June 2010. Kerschner, C* and K Hubacek (2009). "Peak-Oil from an ecological economist's point of view." Paper presented at the International Ecological Economics Conference. Ljubljana, July 2009.
11. Ravera, F, D Tarrasón , M Reed, K Hubacek (2009). "Learning from local lessons for dealing with change: a participatory and integrated scenario analysis in a semiarid agro-pastoral mountain systems in northern Nicaragua." Paper presented at the International Ecological Economics Conference. Ljubljana, July 2009.
12. Termansen, M, D Chapman, C Quinn, E Fraser, N Jin, N Beharry and K Hubacek (2009). Combining choice models and habitat succession models for land use change modelling. Paper presented at The International Choice Modelling Conference. Harrogate, UK, March 2009.
13. Quinn, C H, Reed, MS, and K Hubacek 2008. "Property Rights in UK Uplands and the Implications for Policy and Management." Presented at "Governing Shared Resources: Connecting Local Experience to Global Challenges," 12th Biennial Conference of the International Association for the Study of Commons, Cheltenham, England, July 14-18, 2008.

14. Kerschner, C* and K Hubacek (2008). "Measuring potential effects of production peaks of global non-renewable key (GNoRK) resources within the concept of economic disasters." International Input-Output Conference, Seville, Spain. July 2008.
15. Weber, CL, GP Peters, D, Guan, K Hubacek (2008). "The Contribution of Chinese Exports to Climate Change." International Input-Output Conference, Seville, Spain. July 2008.
16. Guan, D, K Hubacek, CL Weber, GP Peters, D Reiner (2008). "The Drivers of Chinese CO2 Emissions from 1980 to 2030." International Input-Output Conference, Seville, Spain. July 2008.
17. Yang Yu, K Hubacek, D. Guan, N. Jin and K Feng* (2007). "Construction and application of regional input-output models: Assessing water consumption in South East and North East of England". Paper presented at the Sixteenth International Input-Output Conference. July 2007, Istanbul, Turkey.
18. Dabo G, K Hubacek, G Peter and C Weber. (2007). Driving China to a Cleaner Transformation and Bluer Sky: A New Approach of IPAT-IO Structural Decomposition Analysis on CO2 Emissions. Paper presented at the Sixteenth International Input-Output Conference. July 2007, Istanbul, Turkey.
19. Christian K* and K Hubacek (2007). Towards a multi-method Input-Output analysis of the potential economic effects of Peak-Oil induced petroleum supply disruptions. Paper presented at the Sixteenth International Input-Output Conference. July 2007, Istanbul, Turkey.
20. Minx, JC, Baiocchi, G, K Hubacek, Wiedmann, T, and Barrett, J (2007). "Revealing Structures: Empirical Differences between Monetary and Physical Input-Output Models and their Implications for Environmental Economic Analysis." Paper presented at the Sixteenth International Input-Output Conference. July 2007, Istanbul, Turkey.
21. Muñoz, P and K Hubacek 2006. "Explaining changes in material flow accounting (MFA) using Structural Decomposition Analysis (SDA): a case study for Chile, 1986-1996." Paper presented at the IX Biennial Conference of the International Society for Ecological Economics on "Ecological Sustainability and Human well-being". December 15-18, 2006. New Delhi, India.
22. Barua, A* and. K Hubacek (2006). Water pollution in India: an environmental Kuznets curve analysis. Paper presented at the 9th Biennial International Conference of the International Society of Ecological Economics. 15.- 18. December. New Delhi, India.
23. Kerschner C* and K Hubacek (2006). Assessment and application of input-output tools for analyzing the potential impacts of resource supply shocks: the phenomenon of peak oil. Paper presented at the 9th Biennial International Conference of the International Society of Ecological Economics. 15.- 18. December. New Delhi, India.
24. Hubacek K and D Guan*, A. Barua* (2006). Changing lifestyles and consumption patterns in developing countries: a comparative study of China and India. Paper presented at the 9th Biennial International Conference of the International Society of Ecological Economics. 15.- 18. December. New Delhi, India.
25. Guan, D* and K Hubacek (2006). "A Hydro-economic Accounting and Analytical Framework for Water Resource Consumption in China." Paper presented at the International Input-Output Meeting. July 2006, Sendai, Japan.

26. Dabo G* and K Hubacek (2005). "Development of Input-Output Analysis on Water and its Application on Virtual Water Flows in China". Paper presented at the Fifteenth International Input-Output Conference. 27 June– 1 July 2005, Beijing, China P.R.
27. Korytarova, K* and K Hubacek (2005). CO2 Emissions from consumption in a transition economy: the case of Slovakia. Pp. 79-87. In Hertwich, E, T Briceno, P Hofstetter, A Inaba (editors): Proceedings: Sustainable Consumption: The Contribution of Research, Workshop, 10-12 February 2005, Proceedings. IndEcol Report Series 2005/1, Norwegian University of Science and Technology, Industrial Ecology Program. ISBN 82-7948-046-3.
28. Guan, D*, K Hubacek and A Barua* (2005). Changing lifestyles and consumption patterns in developing countries: A comparative study of India and China. In Hertwich et al., opt. cit.
29. Haas, W, E Hertwich, K Hubacek, K Korytarova*, M Ornetzeder, H Weisz (2005). Assessment of environmental impacts of household consumption: A comparative case study on the car-free settlement in Vienna, Austria: In: Hertwich et al. opt. cit.
30. Guan, D* and K Hubacek (2005). "Life style changes and long-term water shortages in China." Proceedings of the 6th conference for postgraduate students, young scientists and researchers on Environmental Economics, Policy and International Environmental Relations. Prague, 7 – 8 October, 2004.
31. Barua, A* and K Hubacek (2005). "The informal sector and water pollution in India." Proceedings of the 6th conference for postgraduate students, young scientists and researchers on Environmental Economics, Policy and International Environmental Relations. Prague, 7 – 8 October, 2004.
32. Korytarova, K* and K Hubacek (2005). "CO2 emissions from consumption in Slovakia." Proceedings of the 6th conference for postgraduate students, young scientists and researchers on Environmental Economics, Policy and International Environmental Relations. Prague, 7 – 8 October, 2004.
33. Prell, C, T Harrison, K Hubacek and J Zappen (2004). "Sustainability and Community Technology: What Does this Mean for Community Informatics?" Community Informatics Research Network Inaugural Conference and Colloquium, at the Monash Centre, Prato, Italy, 29 September - 1 October, 2004. <http://www.ciresearch.net/?q=node/5>
34. Haas, W, E Hertwich, K Hubacek, K Korytarova, M. Ornetzeder and H Weisz (2004). "Investigating household consumption: combining quantitative and qualitative methods." Proceedings for the International Workshop on Driving Forces for and Barriers to Sustainable Consumption. March 05 and 06. Leeds, UK
<http://www.env.leeds.ac.uk/%7Ehubacek/leeds04/5.8ThreatToSusBurden-vs5%20final%20version.pdf>.
35. Guan, D and K Hubacek (2004). "Lifestyle changes and energy and water consumption in China: a historical analysis." Proceedings for the International Workshop on Driving Forces for and Barriers to Sustainable Consumption. March 05 and 06. Leeds, UK
36. Stagl, S and K Hubacek (2002). "A Framework for a Community-based Comparison for Consumption Patterns." Interims Report IR-02-073 International Institute for Applied Systems Analysis. AIST/IIASA/UNEP workshop on Lifecycle Approaches to Sustainable Consumption in Laxenburg Austria, 22. November, 2002.
37. Hubacek, K and L Sun (2002). Changes in China's economy and society and its effects on water use. Interims Report IR-02-073 International Institute for Applied Systems

Analysis. AIST/IIASA/UNEP workshop on Lifecycle Approaches to Sustainable Consumption in Laxenburg Austria, 22. November, 2002.

38. Hertwich, EG, K Erlandsen, K Sørensen, J Aasness, K Hubacek (2002). Pollution embodied in Norway's import and export and its relevance for the environmental profile of households Interims Report IR-02-073 International Institute for Applied Systems Analysis. AIST/IIASA/UNEP workshop on Lifecycle Approaches to Sustainable Consumption in Laxenburg Austria, 22. November, 2002.
39. Hammer, M* and K Hubacek (2002). "Material Flow and Economic Development - Total Material Requirement of the Hungarian Economy." Seventh Biennial Conference for the International Society for Ecological Economics. Environment & Development: Globalization and the challenges for Local & International Governance. Sousse, Tunisia. March 6- 9th, 2002
40. Illge, L, K Hubacek, and S Giljum (2002). "Is there a Role for EU and German Integrated Product Policy in Solving Global Environmental Problems?" In: F Biermann, R Brohm and K Dingwerth, eds. Proceedings of the Berlin Conference on the Human Dimensions of Global Environmental Change and the Nation State. Potsdam: Potsdam Institute for Climate Impact Research, pp. 183–191.
41. Hubacek, K and L Sun (2000). "Land Use Change at the Regional Level in China: A Scenario Analysis Based on Input-Output Modeling." International Conference on Input-Output Modelling. Macerata, Italy.
42. Hubacek, K, JD Erickson, and F Duchin (1998). "Input-Output Modeling of Multiple Land Uses in the Adirondack Park" Proceedings of 1998 National IMPLAN User's Conference. Washington, D.C.

Contracts and Grants

- | | |
|-----------|--|
| 2017-2019 | National Atmospheric and Oceanic Administration (NOAA): Linking Rural Decision-Makers with Local Churches to Build Coastal Resilience to a Changing Climate . NOAA, Coastal and Ocean Climate Adaptations. Award number NA17OAR4310248. Co-PI. Total Funding: \$300,000. Award Period: 09/01/2017-08/31/2019. |
| 2017-2020 | NASA: Integrating remote sensing observations with NASA's GEOS-5 modeling framework in support of retrospective analyses and seasonal prediction of biosphere-atmosphere CO2 flux . Co-investigator. Award period: 08/02/2017-08/01/2020. |
| 2017-2020 | NASA: Agricultural Land Use Change in Central and Northeast Thailand: Effects on Biomass Emissions, Soil Quality and Rural Livelihoods . Co-investigator. Total Funding: \$675,000. |
| 2017-2021 | Department for International Development (DFID, UK): Modeling Early Risk Indicators to Identify Malnutrition (MERIAM) . (co-PI): \$4,000,000. |
| 2017-2020 | NASA: Understanding Large-Scale Land Acquisitions and their Land Change Dimensions: Socio-Environmental Synthesis of the Global 'Rush' for Land . Program: NASA Roses. (co-PI): \$747,414. |
| 2016-2018 | Czech Science Foundation: Vulnerability and Energy-Economy Nexus at the Sector Level: A Historic, Input-Output and CGE Analysis (GA ČR no. 16-17978S). Co-investigator. |

- 2016 Interamerican Development Bank: **Distributive Impact of Energy Subsidies - ATN/OC'13977-RG (RG'T2119)** (PI: \$ 40,000).
- 2016-2020 EU-Horizon2020, "**Guiding European Policy toward a low-carbon economy. Modelling Energy System Development under Environmental and Socioeconomic constraints**". (co-PI). H2020-LCE-2015-2/691287. \$4,330,000.
- 2016-2018 Maryland Sea grant Program: **Integrated Geospatial, Cultural, and Social Assessment of Coastal Resilience to Climate Change**. (co-PI). \$210,000.
- 2015 "**Tracing China's CO2 Emissions in Global Value Chains: Regional and Firm Heterogeneity**" in collaboration with Nagoya University, Tsinghua University and Fudan University. (co-investigator).
- 2015 University of Maryland, Dean's Research Initiative. "**Understanding large-scale land acquisitions and their land change dimensions: socio-environmental synthesis of the global 'rush' for land.**" (co-PI: \$5,000).
- 2015 University of Maryland, Dean's Research Initiative. "**Climate resilient communities in Alaska and Canada.**" (co-PI: \$5,000).
- 2015 University of Maryland, Dean's Research Initiative. "**Oil Price Variation, Economic Vulnerability, and Social Unrest.**" (PI: \$10,000).
- 2014 NSF National Socio-Environmental Synthesis Center. "**Linking local consumption to global environmental impacts.**" (PI: \$40,000).
- 2014 University of Maryland's Dean Research Initiative: "**Integrating Cultural Knowledge, Social Networks, Livelihood Strategies and Environmental Science to Foster Coastal Resilience to Climate Change at Multiple Scales**" (co-PI: \$25,000).
- 2014 University of Maryland's Council of the Environment: "**Studying the future of the Chesapeake Bay Watershed Region by Coupling Socio-Economic and Earth-System Models**" (PI: \$90,000).
- 2013 The World Bank: "**Analysis of spatial growth patterns across South Asia.**" (co-PI: 14,000\$).
- 2012-2017 National Science Foundation, NSF-RCN: "**Social Observatories Research Network.**" NSF SES1237498 (co-investigator: \$278,299).
- 2012 The World Bank: "**A spatial mapping system for human water security.**" (co-PI: \$ 7,500/75,000).
- 2011 University of Maryland Dean's Research Initiative: "**Modeling Human Dimensions of Global change.**" (PI; \$ 115,000).
- 2010 IUCN (Commission of Inquiry into Peatlands). **Technical Review: Policy measures for sustainable management of UK peatlands**
- 2009-2010 Economic and Social Research Council, UK and Indian Social Science Research Council (ESRC-ICSSR). "**Developing a Measure for Inequitable Household Access to Water in Urban India.**" (with The Energy Research Institute, TERI, Delhi, India) (covers travel and living expenses).
- 2009-2010 Economic and Social Research Council, UK (ESRC). "**Sustainable Uplands: Learning to manage future change.**" (co-investigator/all at Leeds £ 99,717).

- 2010-2011 Natural Environment Research Council, UK (NERC) and Mobil. “**EnergyScapes and Ecosystem Services.**” (co-investigator: Leeds share: 100k/total £ 350,000/).
- 2009 International Water Management Institute (IWMI)/CGIAR: “**Analytical Framework for Water Accounting and Livelihoods.**” Scoping Study. (PI: \$ 4,000 + travel and other expenses).
- 2009 WWF World Wide Fund for Nature – UK: “**Distributional Effects of Climate Change Taxation: The case of the UK.**” (Principal Investigator: £ 15,000).
- 2007-2010 White Rose PhD scholarships: “**Impact of large scale management change on upland ecosystems.**” Three White Rose PhD studentships. (co-investigator: Leeds share: £ 68k/Total: £ 175k).
- 2006-2011 Framework 6 Integrated Project: “**Desertification Mitigation & Remediation of Land**” Funded under Activity Area SUSTDEV-2005 "Combat land degradation and desertification". (co-investigator: Leeds share Euro 300k/total Euro 7 million).
- 2006-2010 Marie Curie Actions (RTNs) “**Multi-level Governance of Natural Resources: Tools and Processes for Water and Biodiversity Governance in Europe.**” (co-investigator: Euro 388,000 Leeds share)/Total: Euro 2,200,000).
- 2006-2008 Yorkshire Water: “**Stakeholder involvement, upland management and water quality.**” (principal-investigator: £ 99,800).
- 2006 DEFRA (UK Department for the Environment, Food and Rural Affairs): “**Sustainable Consumption and Production: Development of an Evidence Base.**” (co-investigator: ~£ 5,000 Leeds share).
- 2006 DEFRA (UK Department for the Environment, Food and Rural Affairs): “**Vulnerability of organic soils.**” (co-investigator: ~£ 25,000).
- 2005 Arup and Stockholm Environment Institute: “**Ecological Footprint of Dongtan, China.**” (co-investigator: ~£ 5,000 Leeds share).
- 2005 China Council for International Cooperation on Environment and Development (CCICED): “**Sustainable Urbanisation in China – Resources and Environment Component.**” (co-investigator: ~£ 5,000 Leeds share).
- 2005-2009 ESRC, NERC, BBSRC, Scottish Executive Environment and Rural Affairs Department, and the Department for Environment Food and Rural Affairs (DEFRA). Rural Economy and Land Use Programme (RELU). “**Managing Uncertainty in Dynamic Socio-Environmental Systems: An Application to UK Uplands.**” (Principal Investigator: Leeds share ~ £ 500,000/total: £ 750,000).
- 2005 ESRC, NERC, BBSRC, Scottish Executive Environment and Rural Affairs Department, and the Department for Environment Food and Rural Affairs (DEFRA). Scoping Study under the Rural Economy and Land Use Programme (RELU). “**Sustainable Upland Management for Multiple Benefits.**” Ref No: RES-224-25-0088. (Principal Investigator: £ 50,000 + £ 68,000 in-kind contributions from Moors for the Future).
- 2005 ESRC, NERC, BBSRC, Scottish Executive Environment and Rural Affairs Department, and the Department for Environment Food and Rural Affairs (DEFRA). Scoping Study under the Rural Economy and Land Use Programme (RELU). “**Achieving sustainable catchment management: developing**

- integrated approaches and tools to inform future policies**". (Co-investigator: network grant £ 50,000).
- 2004 Society for Non-Traditional Technology (SNTT), Japan. **Funding for International Conference on Sustainable Consumption** in Cooperation with the United Nations Environment Programme (UNEP), Heterodox Economics Network for the Environment and European Society for Ecological Economics. (Organizer and scientific chair): ~£ 15,000.
- 2004 – 2005 Society for Non-Traditional Technology (SNTT) and the National Institute for Applied Industrial Science and Technology (AIST), Japan. **"Lifecycle approaches to sustainable consumption"**. (Co-investigator): ~£ 22,000.
- 2003 – 2006 European Commission's 5th Framework Program: **"MOdelling opportunities and limits for restructuring Europe towards SUSTainability (MOSUS)"**. (~\$ 10,000).
- 2003 – 2004 Jubiläumsfonds der Oesterreichischen Nationalbank, Vienna, Austria: **"The Environmental Impacts of Consumption"**. (Co-investigator): ~ £ 53,000/Leeds share ~£ 10,000.
- 2002-2005 EUROSTAT: **Economy-wide national material flow accounts and indicators of resource use for the EU**. Research grant in collaboration with the Institute for Interdisciplinary Studies of the Austrian Universities-Department of Social Ecology, Vienna Austria.
- 1995 – 1996 Austrian Federal Environmental Agency and UNESCO: **Economic Incentives and Social Discourse Processes for the Establishment of the Transboundary National Park at Lake Neusiedl**, (Principal Investigator: 10000 \$).
- 1995 Österreichischer Akademikerdienst: **Diffusion of Alternative Energy Technologies** in Bulgaria, externally funded joint-seminar with the University of World Economy, Sofia, Bulgaria, (Principal Investigator: travel costs for participants).
- 1993 Römerquelle (Coca Cola): **Renewable Energy for Industry**, externally funded seminar, (Principal Investigator: travel costs for participants).
- 1992 – 1994 Austrian Ministry of Science and Research and the European Commission: **Pathways from Small Scale Applications to Sustainable Regional Development (EXPRESS-PATH)**, (Co-investigator: 99,900 \$).

Fellowships, Prizes, and Awards.

Award from UK research council voted the Sustainable Uplands project (which I was leading as PI) as "best example of impact" at the Rural Economy and Land Use program's final conference – one of only two projects receiving awards out of over 100 projects.

Best policy paper award of *Environmental Science and Technology (ES&T)* – '(co-authored with Peters, Weber and Guan) (2007).

Runner-up for Leontief award (co-authored with Dabo Guan) at the international Input-output conference in Istanbul, 2007.

Austrian Academy of Sciences: Young Scientists Summer Program at the International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria (June - August, 1999).

Austrian Ministry of Science and Research and Fulbright Commission: Two-year scholarship for PhD studies at Rensselaer Polytechnic Institute, Troy, NY (1996 - 1998).

US-IA Fulbright faculty-exchange program: Visiting Scholar at the University of World Economics in Sofia, Bulgaria and the University of North Carolina in Chapel Hill (January-February 1993, August-September 1994).

Austrian Ministry of Science and Research: Visiting Scholar at the Institute for Geography at the University of Copenhagen (July - September 1992).

Member of the Austrian delegation at the United Nations Conference on Environment and Development (UNCED 1992); Rio de Janeiro, Brazil (June 1992).

Editorships, Editorial Boards, and Reviewing Activities for Journals and Other Learned Publications.

Editorial Board

- Founding Associate Editor of Energy, Ecology and Environment (E3), Nature-Springer
- Associate Editor for Industrial Ecology. (Wiley, ISSN: 1530-9290). 2016-
- Editorial Board member for Applied Energy (Elsevier, ISSN: 0306-2619)
- Editorial Board member for the Journal of Economic Analysis
- Sustainability: Science, Practice and Policy. Taylor & Francis. (2017-).
- Editorial Board member for Environments (2014-) (MDPI, ISSN 2076-3298); 2013-2016
- Editorial Board member for Journal of Economic Structures (ISSN: 2193-2409, Springer)
- Editorial Board member for Regional Environmental Change (until 2016), (ISSN: 1436-3798, Springer)
- Editorial Board member for Water (until 2016) (MDPI, ISSN 2073-4441); 2013-2016

Referee for book publishers and international journals

Area

Agricultural Economics

Applied Energy

Biodiversity and Conservation

China Economic Review

Crop Protection

Ecological Economics,

Ecological Economics and Statistics

Ecology and Society

Economic Systems Research

Landscape and Urban Planning

Landscape Research

Land Use Policy

Natural Hazards

Natural Hazards and Earth System

Sciences

Natural Resources Forum

Nature Climate Change

Nature Energy

Elsevier
 Energy
 Energy Economics
 Energy Policy
 Environment and Development
 Economics
 Environment and Resource Economics
 Environmental Management
 Environment and Planning A
 Environmental Planning & Management
 Environmental Research Letters
 Environmental Research and Public
 Health
 Environmental Science & Policy
 Environmental Science & Technology
 Forest Ecology and Management
 European Environment
 Global Environmental Change
 Growth and Change
 Industrial Ecology

Oxford University Press
 PLOS One
 Progress in Physical Geography
 Proceedings of the National Academy of
 Sciences
 Regional Environmental Change
 Routledge
 Science, Technology and Human Values
 Social Forces
 Society & Natural Resources
 Structural Change and Economic
 Dynamics
 Sustainability
 The Science of the Total Environment
 Water
 Water Resource Management
 Wiley
 Wind Energy

Teaching, Mentoring, and Advising

Courses taught.

Modeling coupled natural-human systems (PG)¹
 Modeling and conceptualizing human-environment interactions (UG)¹
 Coupled Social-ecological Systems(UG)¹
 Human Dimensions of Global Change (UG, PG)¹
 Nature and Practice of Science (PG)¹
 From Local Consumption to Global Impacts (PG)¹
 Qualitative Methods (2009/2010; PG)²
 Research Methodology; (2002-2008; PG)²
 Research Philosophy and Design (2004-2010; PG)²
 Tools and Applications in Ecological Economics (2002-2008; PG)²
 Project evaluation and governance (2008-2010; PG)²
 Environmental Issues in China (2003-2006; UG)²
 The Economics of Environmental conservation (2003 -2006; UG)³
 Local Currencies and Community Development (1996; UG)⁴
 Work and the Environment (1996; UG)⁴
 Energy Economics (1995; UG)⁴
 Diffusion of Alternative Energy Technologies in Bulgaria (1994; UG)^{4, 5}
 Feasibility study of a Biomass District Heating Plant (1993; UG)⁴
 Renewable Energy for Industry (1993; UG)⁴
 Industrial Environmental Management (1992; UG)^{4, 6}
 Applied Environmental Economics (1992-1994; UG)⁴

Introductory Environmental Economics (1991-1993; UG) ⁴

¹ Department of Geographical Sciences, University of Maryland, College Park, U.S.A.

² School of Earth and Environment, University of Leeds, UK

³ School of Biology, University of Leeds, UK

⁴ University of Economics and Business Administration, Vienna, Austria

⁵ University of World Economics, Sofia, Bulgaria

⁶ University of Economics, Budapest, Hungary

UG: undergraduate studies; PG: Masters and PhD

Advising:

Post-doctoral students

Post-doc/visiting scholars	Topic (short title)	Funding sources	Affiliation/ Year
Cuncun Duan (Visiting Scholar)	Global environmental inequality	China Scholarship Council	Beijing Normal University (2017)
Jingxu Wang (Visiting Scholar)	Air pollution and health impacts	China Scholarship Council	Peking University (2017)
Weiming Chen (Visiting Scholar)	International trade and air pollution	China Scholarship Council	China University of Geosciences, Beijing (2017)
Dandan Zhao (Visiting Scholar)	Explaining virtual water trade: A spatial-temporal analysis of comparative advantage for land, labor and water in China	China Scholarship Council	Beijing Forestry University (2017)
Qian Wang (Visiting Scholar)	Distributional effects of carbon taxation in China	China Scholarship Council	Beijing Institute of Technology (2016)
Chen, Shaoqing (Visiting Scholar)	Carbon fluxes of megacities	China Scholarship Council	Beijing Normal University (2015)
Delin Fang (Visiting Scholar)	Unintended side effects of air pollution mitigation policies in China	China Scholarship Council	Beijing Normal University/ 2016
Cristina Sarasa (Visiting Scholar)	Modeling of carbon policies		University of Zaragoza, Spain/2014
Zhen Wang (Fulbright Scholar)	Carbon storage in wood products	Fulbright	China/2014
Brizga, Janis (Fulbright Scholar)	Carbon emissions in the Former Soviet Union and the Baltics	Fulbright	Latvia/2013

Xu, Daju (Visiting Scholar)	Structural decomposition analysis	China Scholarship Council	China/2013
Nesha Beharry-Borg	Stakeholder involvement, upland management and water quality	Yorkshire Water	China/2013
Nanlin Jin	Sustainable Uplands	RELU, UK	
Lindsay Stringer	Sustainable Uplands	RELU, UK	China/2013
Mark Reed	Sustainable Uplands	RELU, UK	

Doctoral Students

Supervision of PhD students

PhD students	Topic (short title)	Funding sources	University/Graduation Date
White, David Ahmad	Virtual Water Flows	Self-funded	UMD
Enrici, Ashley	Forest conservation and REDD+ in Indonesia	Fulbright	UMD, 12/2016
Cortney Gustafson	System Dynamics modeling of watersheds		UMD
Diana Parker	Deforestation in Indonesia	Fulbright	UMD
Raul Munoz	Modeling ecosystem service trade-off in wetlands		UMD
Ibraheem Khan	Modeling run-off under climate change		UMD
Vaz Rodrigues, Gabriela	Assessing titling in Haiti	Self-funded	UMD
Wen, Cheng (China)	WTA and WTP along the South-North water transfer route in China	China Scholarship Council	University of Leeds Graduated 2014
Monir Islam (Bangladesh)	Impact of climate change on fisheries of Bangladesh	Commonwealth Scholarship	University of Leeds 2013
Li, Xin (China)	Modeling the diffusion of wind energy in China	Self-funded	University of Leeds 2013
Drake, Ben (UK)	Ecosystem services approach to socio-economic valuation in UK uplands	White Roses Scholarship	Graduated 2011; University of York, UK
Kerschner, Christian (Austria)	Modeling Peak Oil	Marie Curie and Spanish Government scholarship	2013; Universitat Autònoma de Barcelona
Feng, Kuishuang, China	Spatial regional economic-ecology models	Self-funded, WWF, UKERC	Graduated 2011, University of Leeds
Doan Nainggolan, Indonesia	Modeling land use and water consumption in SE Spain.	Overseas Research Scholarship	University of Leeds 2012

Qasim, Muhammad; Pakistan	Drivers of Land Use Change in Swat, Pakistan	Pakistan Ministry of Education.	University of Leeds, 2011
Dodds, Paul, UK	Modeling land use change in sub-Saharan Africa	ESRC/NERC research council	University of Leeds, 2010
Ravera, Federica; visiting student)	Modeling land use change in uplands in Nicaragua	Marie Curie and other sources	2012; Universitat Autònoma de Barcelona
Muñoz, Pablo; visiting student)	Modeling material flows in Chilean trade		Graduated 2009; Universitat Autònoma de Barcelona
Barua, Anamika	Economic growth and water pollution in India	Self-funded	University of Leeds, 2009
Thapa, Shova	People-park conflict in Bardia National Park, Nepal	Self-funded	Graduated 2008; University of Leeds
Minx, Jan; visiting PhD student	Modeling sustainable consumption and production		2008; University of York
Guan, Dabo; China	Environmental input-output modelling	Self-funded	University of Leeds

Masters Students

Supervision of about 30 MSc and Masters of Research (MRes) students at the University of Leeds (incomplete list below)

Name	Topic (short title)	Graduated
Eko Priyo Purnomo, Indonesia	The Development of Local Community Institution for Community-Based Forest Management	2010
Archita Bhatta, India	Farmer's adaptations to climate change in Himachal Pradesh	2010
Ben D. Agbemor, Ghana	Community-managed forests in Ghana	2009
Nareerat Panamee, Thailand	Household Wastewater Management in Thailand	2009
Aura Guzman, Mexico	National adaptation actions (NAPAS) in Bangladesh	2009
Zach Herrington-Shaner, US	Environmental perceptions in rural US	2008
Alistair Wolfe, UK	Inspiring sustainable entrepreneurship	2008
Kate Scott, UK	Sustainable Consumption, UK	2007
Kuishuang Feng, China	Econometric analysis of UK sectoral energy consumption	2006
Ben Drake, UK	Distribution and optimization of wind farms	2006
Joan, Nainngolan, Indonesia	Visual discourse analysis	2005

Takeshi Sakai, Japan	The multiple regression model of household energy consumption in Japan	2005
Niba Fon, Julius	Heather burning in UK uplands	2005
Kostas Bartzis, Greece	Fixed feed-in tariffs and tradable renewable electricity certificates in Europe	2004
Sandra Kadungure	Food systems in Sub-Saharan Africa	2004
Yanan Wu, China	China's rural labor migration and its socio-economic and environmental impacts	2004
Yudi Suyudi, Indonesia	Sustainability of Indonesian Palm Oil industry	2003
Hanouet Stephanie, France	Evaluation of water withdrawal, of Languedoc – Roussillon (France)	2003
Meuthia Alvernia Naim, Indonesia	Evaluation of adaptation efforts in Indonesia	2003
Darmaerius, Indonesia	Cape and trade emission modeling for river systems	2003

Undergraduate.

Supervision of about 25 undergraduate dissertations (max. 12,000 words) between 2002 and 2008

Service

Professional

Offices and committee memberships held in professional organizations

Council member - International Input-Output Association (IIOA) since 2004.

Board member of the Industrial Ecology (Section on Environmentally Extended Input Output Analysis) 2010-2013.

Organization of Scientific Conferences

Member of the scientific organizing committee of the International Input-Output Conference (since 2006)

Member of the scientific advisory board for the International Conferences on Eco-balance (since 2004) Tsukuba, Japan.

Scientific chair of the 19. International Input-output conference, Alexandria, VA, 2011.

Scientific co-chair of the 18. International Input-output conference, Sydney, 2010.

Scientific chair of the 16th International Input-output conference, Istanbul, 2007.

Organizer and scientific chair of the international conference in Leeds, 2004 on “Driving Forces for and Barriers to Sustainable Consumption”, under the auspices United Nations Development Program (UNDP) and the National Institute of Advanced Science and Technology (AIST), Japan.

Reviewing activities for agencies

Austrian Academy of Sciences
Austrian Climate and Energy Fund
Belgian Science Foundation (FNRS)
British Royal Society
European Research Council (ERC)
German Federal Ministry of Education and Research (BMBF)
German Academic Exchange Service (DAAD)
International Institute for Applied Systems Analysis, Laxenburg, Austria.
Israel Science Foundation
Leverhulme Thrust, UK
Research Council of Norway
Research Grant Council (RGC) of Hong Kong
South Asian Network for Development and Environmental Economics (SANDEE),
Katmandu, Nepal.
Swiss National Science Foundation
The OeNB Anniversary Fund [Austrian National Bank], Vienna, Austria.
UK Department for the Environment, Food and Rural Affairs (DEFRA), London, UK.
UK Department for International Development (DFID), London, UK.
UK Economic and Social Research Council (ESRC), Swindon, UK.
UK Engineering and Physical Sciences Research Council, UK.
UK Natural Environment Research Council (NERC), UK
The World Bank

Other non-University committees, commissions, panels, etc.

Scientific Advisory Board Member of the Shanghai Climate Change Center, China. 2011-2016
Scientific Advisory Board Member of the German Sustainable Land Use Program, German Ministry of Education and Research. 2010-2016

Campus

University (University of Maryland, USA)

2011 – 2014 Member of the University Senate
2011 - Member of numerous committees

Departmental (University of Maryland, USA)

2014-2016 Chair of the Graduate Committee
2011 – Member of numerous committees

University (University of Leeds, UK).

2002 – 2010 Member of numerous committees

Departmental (University of Leeds, UK)

2008 – 2010 Director of the PhD program at the Sustainability Research Institute

2004 - 2010 Director of the Masters of Research (MRes)

2005 – 2006 Director of the Masters in Ecological Economics program

2002 Member of numerous committees

Other Universities.

External Examiner for PhD – Kjartan Steen-Olsen. Industrial Ecology, NTNU, Trondheim, Norway. 2015.

External Examiner for PhD. Department of Energy and Environment, TERI University, Delhi, India. 2017.

External Examiner for MPhil (by thesis) - James Johnston, Title: "Constraints to material flow reduction in a dynamic economy-environment system" at the Department for Land Economy, University of Cambridge, UK.

External Examiner for PhD - Alexandros Gasparatos. Title: "Sustainability assessment with reductionist tools: Methodological issues and case studies" at the Department for Civil Engineering, University of Dundee, Scotland. 2009.

External Examiner for PhD – Tao Wang. Title: "Evaluating the cost effectiveness of river water quality management in the tidal Ouse: optimization of integrated river policy" at the Environment Department, University of York, England. 2006.