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Short CV

Timo Goeschl is Professor of Environmental Economics in the Department of Economics (Alfred Weber-Institute) at Heidelberg University. As of September 2011, he is also Head of Department.

Timo Goeschl is co-director of the Heidelberg Center for the Environment since its founding in July 2011 and a Marsilius Fellow. In 2010, he was visiting professor at LAMETA, Université de Montpellier I. He serves on the scientific board of Rheinisch-Westfälisches Institut für Wirtschaftsforschung and the Senate Commission on Biodiversity Research of the German Research Foundation DFG and has been in a consultant role for the World Bank, the Asian Development Bank, the OECD, the UK's Prime Minister's Strategy Unit, and the German Parliament (Bundestag) as well as for private industry such as British Petrol and Anglian Water.

Chronology of key academic appointments:

2005 - : Professor and Chair of Environmental Economics, Heidelberg University, Germany.

2003 – 2005: Assistant Professor, University of Wisconsin-Madison, USA.

2000-2003: University Lecturer, University of Cambridge, UK, and Director, Cambridge Research for the Environment (2001-2003).

1998-1999: Research Fellow, University College London, UK.

1997-1999: Marie Curie-Fellow , University of Cambridge, UK.

Timo Goeschl is recipient of a number of awards and prizes, among them a Fulbright-Schuman Fellowship, an Austrian Academy of Sciences scholarship, and in 1995 the Outstanding Graduate Award (Würdigungspreis) by the Minister for Science and Research for Austria's top 50 graduates.

Current research

1. Willingness to Pay for Individual Greenhouse Gas Emissions Reductions: Evidence from a Large Field Experiment (with J. Diederich).
2. Giving in a Large Economy: Price vs. Non-Price Effects in a Field Experiment (with J. Diederich)
3. The Sopranos Redux: The Empirical Economics of Waste Crime (with C. Almer).
4. Long-term environmental problems and strategic intergenerational transfers (with D. Heyen and J. Moreno-Cruz).
5. Regulation under Uncertainty and Good Regulatory Mandates: Expected Utility vs. Precautionary Principle (with D. Heyen and B. Wiesenfarth)
6. The Political Economy of Warning Violators: A Signaling Approach (w. J. Jarke)
7. The Demand for Mutual Monitoring: Experimental Evidence (with J. Jarke).
8. The Russia Problem (with U. Chakravorty and A. Leach).

Journal publications

- (1) Environmental Quality and Welfare Effects of Improving the Reporting Capability of Citizen Monitoring Schemes (with O. Jürgens). *Journal of Regulatory Economics*. Forthcoming
- (2) Explaining uniformity in rule design: The role of citizen participation in enforcement (with O. Jürgens). *International Review of Law and Economics*.
- (3) Instrument Choice and Motivation: Evidence from a Climate Change Experiment (with G. Perino). *Environmental and Resource Economics*. Forthcoming.
- (4) Criminalizing Environmental Offences: When the Prosecutor's Helping Hand Hurts (with O. Jürgens). *European Journal of Law and Economics*. Forthcoming.
- (5) The Political Economy of the Environmental Criminal Justice System: A Production Function Approach (with C. Almer). *Public Choice* 148(3-4), September 2011, 611-630.
- (6) Emissionsvermeidung oder Anpassung an den Klimawandel: Welche Zukunft hat die Klimapolitik? (with H. Bardt, L. Feld, K. Konrad, M. Thum, W. Buchholz, D. Rubbelke, C. Hey, K. Holm-Müller, M. Weber, R. Pethig, J. Weimann, *Ifo Schnelldienst* 64(05), March 2011, 3-29.
- (7) The Biodiversity Bargaining Problem (with R. Gatti, B. Groom, and T. Swanson) . *Environmental and Resource Economics* 48(4), April 2011, 609-628.
- (8) Environmental Crime and Punishment: Empirical Evidence from the German Penal Code (with C. Almer). *Land Economics* 86(4), November 2010, 707-726.
- (9) On Backstops and Boomerangs: Environmental R&D under Technological Uncertainty (with G. Perino). *Energy Economics* 31(5), September 2009, 800-809.
- (10) Optimal Conservation, Extinction Debt, and the Augmented Quasi-Option Value (with A. Leroux and V. Martin). *Journal of Environmental Economics and Management* 58(1), July 2009, 43-57.

- (11) The Value of Conserving Genetic Resources for R&D (with M. Sarr and T. Swanson). *Ecological Economics* 67(2), September 2008, 184-193.
- (12) Real options in biodiversity conservation (with A. Leroux and V. Martin), *Proceedings in Applied Mathematics and Mechanics (PAMM)* 7(1), December 2007, 1080801-1080802.
- (13) Innovation Without Magic Bullets: Stock Pollution and R&D Sequences (with G. Perino). *Journal of Environmental Economics and Management*, 54(2), Sept. 2007, 146-161.
- (14) Property Rights for Biodiversity Conservation and Development: An Analysis of Extractive Reserves in the Brazilian Amazon (with D. Iglioni). *Development and Change* 37(2), March 2006, 427-451.
- (15) Non-Binding Linked-Issues Referenda: Analysis and an Application. *Public Choice* 124 (3-4), September 2005, 249-266.
- (16) Incentivizing Ecological Destruction: The Joint International Regulation of the Conservation and Use of Biodiversity (with R. Gatti, B. Groom and T. Swanson), *Indiana Law Review* 38(3), May 2005, 619-635.
- (17) Reconciling Conservation and Development: A Dynamic Hotelling Model of Extractive Reserves (with D. Iglioni). *Land Economics* 80(3), Aug. 2004, 340-54.
- (18) Plagues, Pests, and Patents (with T. Swanson). *Journal of the European Economic Association*, Vol. 1(2-3), May-June 2003, 561-575.
- (19) The Development Impact of Genetic Use Restriction: A Forecast based on the Hybrid Crop Experience (with T. Swanson). *Environment and Development Economics* 8, 2003, 149-165.
- (20) The Social Value of Biodiversity for R&D (with T. Swanson). *Environmental and Resource Economics* 22(4) Aug. 2002, 477-504
- (21) Genetic use restriction technologies and the diffusion of yield gains to developing countries (with T. Swanson). *Journal of International Development* 12(8)

Dec. 2000, 1159-1178.

(22) Property Rights Issues Involving Plant Genetic Resources: Implications of Ownership for Economic Efficiency (with T. Swanson); *Ecological Economics* 32(1), Jan. 2000, 75-92.

(23) An Analysis of the Impacts of Genetic Use Restriction Technologies (GURTs) on Developing Countries (with T. Swanson), *International Journal of Biotechnology* Vol. 2, Jan-Feb. 2000, 56-84.

Monographs

People and Biodiversity Policies : Impacts, Issues, and Strategies for Policy Action (with P. Bagnoli and E. Kovacs). Paris: OECD 2008.

Book contributions

(1) Bargaining over global public goods (with B. Groom, J.R.J. Gatti, and T. Swanson. In E. Brousseau, T. Dedeurwaerdere, P.-A. Jouvét, M. Willinger (eds.): *Governing global environmental commons: Institutions, markets, social preferences and political games*. Oxford/New York: Oxford University Press 2012, ch. 6.

(2) International experiences to inform The People's Republic of China's institutional choices for environmental policy. In: T. Lin and T. Swanson (eds.): *Economic Growth and Environmental Regulation*. Abingdon/New York: Routledge, 2010, 296-317.

(3) Distributive Constraints on Environmental Policy in Central Asia. In: J. Qi,, K. Evered (eds.): *Environmental Problems of Central Asia and their Economic, Social and Security Impacts*. New York: Springer 2009, 311-326.

(4) Designing the Legacy Library of Genetic Resources: Approaches, Methods, Results (with T. Swanson). In: A. Kontoleon, U. Pascual and T. Swanson (eds.): *Biodiversity Economics*. Cambridge: Cambridge University Press 2007, 273-292.

- (5) Do patent-style intellectual property rights on transgenic crops harm the environment? In: J. Wesseler (ed.): *Environmental Costs and Benefits of Transgenic Crops in Europe: Implications for Research, Production, and Consumption*. Dordrecht, The Netherlands: Kluwer Academic Publishers 2005, 203-218.
- (6) Diffusion and Distribution: The Impacts on Poor Countries of Technological Enforcement within the Biotechnology Sector (with T. Swanson). In: K. Maskus and J. Reichman (eds.): *International Public Goods and Transfer of Technology under a Globalized Intellectual Property Regime*. Cambridge: Cambridge University Press, 2005, 669-694.
- (7) The Inappropriateness of the Patent System for Addressing Recurring Problems of Resistance (with T. Swanson). In: R. Laxminarayan: *Battling Resistance to Antibiotics and Pesticides: An Economic Approach*. Washington, D.C.: RFF Press 2003, 293 – 329.
- (8) Stakes in the Evolutionary Race. The Value of Medicinal Plants. In: C. Johnson and C. Franz (eds.): *Breeding Research on Medicinal Plants*. Haworth Press, NY 2002, 373-388.
- (9) The Impacts of GURTS: Agricultural R&D and Appropriation Mechanisms (with T. Swanson). In T. Swanson (ed): *Biotechnology, Agriculture and the Developing World. The Distributional Implications of Technological Change*. Cheltenham: Edward Elgar 2002, 44-66.
- (10) The Impacts of GURTS on Developing Countries: A Preliminary Assessment (with T. Swanson). In T. Swanson (ed): *Biotechnology, Agriculture and the Developing World. The Distributional Implications of Technological Change*. Cheltenham: Edward Elgar 2002, 177-197.
- (11) Forecasting the impact of genetic use restriction technologies: a case study on the impact of hybrid crop varieties (with T. Swanson). In T. Swanson (ed): *Biotechnology, Agriculture and the Developing World. The Distributional Implications of Technological Change*. Cheltenham: Edward Elgar 2002, 198-218.
- (12) Policy Options for the Biotechnology Revolution: What can be done to address the distributional implications of biotechnologies (with T. Swanson). In T. Swanson (ed): *Biotechnology, Agriculture and the Developing World. The Distributional Implications of Technological Change*. Cheltenham: Edward Elgar 2002, 249-270.

- (13) Intellectual Property Rights in Global Agriculture and their Impact on the Diffusion of Productivity Gains (with T. Swanson). In: D. O'Connor (ed.): *Technology and Poverty Reduction in Asia and the Pacific*. OECD Publications 2002.
- (14) On the Economic Limits to Technological Potential: Will Industry Resolve the Resistance Problem? (with T. Swanson). In: Swanson, T. (ed): *The Economics of Managing Biotechnologies*. Dordrecht: Kluwer Academic Publishers 2002, ch. 4.
- (15) The Diffusion of Benefits from Biotechnological Developments: The Impact of Use Restrictions on the Distribution of Benefits (with T. Swanson). In: Swanson, T. (ed): *The Economics of Managing Biotechnologies*. Dordrecht: Kluwer Academic Publishers 2002, ch. 10.
- (16) The Impact of Genetic Use Restriction Technologies on Developing Countries: A Forecast. In: Evenson, R., Zilberman, D. (eds.): *Economic and Social Issues in Agricultural Biotechnology*. Wallingford: CABI. 2002.
- (17) Of Terminator Genes and Developing Countries: What are the Impacts of Appropriation Technologies on Technological Diffusion (with T. Swanson). In: M. Qaim, A Krattiger and J.v. Braun: *Agricultural Biotechnology in Developing Countries: Towards Optimizing the Benefits for the Poor*. Dordrecht: Kluwer Academic Publishers 2000, 237-254.
- (18) Ecology, Information, Externalities and Policies: The Optimal Management of Biodiversity for Agriculture (with T. Swanson). In: G.H. Peters and J. von Braun (eds.): *Food Security, Diversification and Resource Management: Refocusing the Role of Agriculture*, Brookfield: Ashgate, 1999.
- (19) Optimal Genetic Resource Conservation: In Situ and Ex Situ (with T. Swanson). In: Brush, S. (ed.): *Genes in the Field: On-Farm Conservation of Crop Diversity*. IDRC/Lewis 1999.
- (20) Market/Non-Market Incentives and Agricultural Policies for On-Farm Conservation. In: Jarvis, D. and T. Hodgkin (eds.): *Strengthening the Scientific Basis of On Farm Conservation of Agricultural Biodiversity*. Rome: IPGRI/FAO, 1998.

In the News

Interview im Bayerischen Rundfunk am 24. November 2011 zur Umweltkriminalität in Deutschland:

Im Tagesspiegel, Juli 2011

Im Ifo Schnelldienst, März 2011-11-25

Interview auf Zeit Online zu Klimaverhandlungen 2008