

CURRICULUM VITAE

Stefanie Engel (née Kirchhoff)¹

Alexander von Humboldt Professor of Environmental Economics, Institute for Environmental Systems Research and Department of Economics, University of Osnabruck, Germany, Email: stefanie.engel@uos.de

CITIZENSHIP: German

DATE OF BIRTH: June 18, 1968

SOME HIGHLIGHTS:

- Awardee of an Alexander-von-Humboldt Professorship 2014 (highest endowed international research prize in Germany)
- Ranked 17th globally most influential author in environmental and ecological economics and 2nd and 8th most influential publication for the period 2002-2009 (Hoepner et al. *Ecol Econ* 2012). Scopus citation statistics as of January 2018: 46 publications listed, 1809 citations, h-factor = 17.
- Main research foci: Environmental policy design; Behavioral economics of environmental policy; Economics of ecosystem services and biodiversity. Regularly invited speaker on these themes. Co-editor of three special journal issues, one edited volume, numerous articles, and co-organizer of four international conferences and workshops. Co-founder of the network 'Behavioral and Experimental Economics for the Environment'.
- International peer-reviewed publications in *Science*, *Nature Sustainability* and the top journals in environmental economics *Journal of Environmental Economics and Management*, *Environmental and Resource Economics*, *Land Economics*, *Ecological Economics*, high-level development economics journals such as *Economic Development and Cultural Change* and *World Development*, as well as interdisciplinary journals like *Biological Conservation*, in addition to numerous discussion papers, policy briefs, newsletter articles, etc.
- Faculty position offers at University of California at Davis (US), University of Maryland (US), University of Arizona (US), University of Wageningen (NL), KVL University Copenhagen (DK), and University of Göttingen (D)

EDUCATION

Habilitation (Post-doctoral degree) <i>Venia legendi</i> in Resource Economics and Development Economics, Faculty of Agriculture, University of Bonn, Germany.	7/2005
Ph.D. in Agricultural and Resource Economics University of Maryland, College Park, MD.	3/1999
M.S. degree in Agricultural and Resource Economics University of Arizona, Tucson, AZ.	5/1994
Intermediate Diploma (Vordiplom) in Economics and Latin American Studies University of Tuebingen, Tuebingen, Germany.	7/1991
Abitur (Highschool Diploma) Städtisches Gymnasium Gütersloh, Germany.	5/1987

¹ Name change due to marriage in February 2002.

PROFESSIONAL EXPERIENCE

- Alexander von Humboldt Professor of Environmental Economics** since 10/2014
University of Osnabrueck, Institute for Environmental Systems Research, co-opted member of the faculty of Economics
- Full Professor of Environmental Policy and Economics** 8/2013-3/2015
Associate Professor of Environmental Policy and Economics 4/2006-7/2013
ETH Zürich, Institute for Environmental Decisions, Department of Environmental Systems Science (formerly Department of Environmental Sciences)
- Senior Researcher/Lecturer** 1/2000-3/2006
University of Bonn, Center for Development Research, Germany
From April 2001: **Junior Research Group Leader** (equivalent to third-party funded Assistant Professorship)
- Researcher/Lecturer** 1/1999-12/1999
Universidad de Los Andes, Economics Faculty, Santafé de Bogotá, Colombia.
- Researcher** 1-12/1998
Fedesarrollo, Economic Research Institute, Santafé de Bogotá, Colombia.

ACADEMIC SERVICES (selection only)

- Scientific Programme Committee for the 6th World Congress of Environmental and Resource Economists (WCERE), Sweden from June 25 to June 29, 2018.
- Member of the Profile Line Human-Environment Networks, University of Osnabrueck (since 2016)
- Member of various Hiring Committees for new professorships at Swiss and German universities
- Member of the Resources Commission, Department of Environmental Systems Science, ETH Zurich (since 2012)
- Member of Centre for Energy Policy and Economics, ETH Zurich (2007-2014)
- Member of the Strategic Planning Committee, Department of Environmental Systems Science, ETH Zurich (since 2009)
- Vice President of the North-South Center, ETH Zurich (2009-2012)
- Responsible for the major in 'Human-Environment Systems' within the Bachelor program in Environmental Sciences at ETH Zurich
- Reviewer for articles submitted to *Nature Human Behavior*, *Journal of Environmental Economics and Management*, *Environment and Development Economics*, *Environmental and Resource Economics*, *Ecological Economics*, *Land Economics*, *European Review of Agricultural Economics*, *Forest Policy and Economics*, *American Journal of Agricultural Economics*, *Quarterly Journal of International Agriculture*, *Environmental Modelling & Assessment*, *Nutrient Cycling in Agroecosystems*, *European Journal of Forest Research*, *Swiss Forestry Journal*, *Ecosystem Services*, *Environment and Planning C*, and more, and for the International Food Policy Research Institute (IFPRI), the World Bank, and a variety of professional conferences.
- Reviewer for the World Bank's Knowledge for Change Program
- Reviewer for grant proposals at Alexander von Humboldt Foundation, German Research Foundation (DFG), Volkswagen Foundation, Swiss National Science Foundation, DAAD, Robert Bosch Foundation, WOTRO Netherlands, and for awards given by KfW, Society in Science/ The Branco Weiss Fellowship, World Food Systems Center (ETH)
- Reviewer for numerous habilitation, dissertation and professional promotion committees (Germany, UK, Netherlands, France, India)

HONORS/ ADVISORY BOARDS/ EDITORIAL SERVICE (selection only)

Member of Advisory Board for the Federal Agency for Nature Conservation (BfN)'s study on Nature Awareness (since 2018)

Lead Author of the forthcoming "Methodological assessment regarding the diverse conceptualization of multiple values of nature and its benefits" (Chapter 4) of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) (nominated by the German Government and selected by the International Board of IPBES).

Member of the German Research Council's Permanent Senate Commission (DFG Senatskommission) on Fundamental Issues of Biological Diversity, since September 2017.

Member of the International Scientific Advisory Board of the Millennium Nucleus Center for the Socioeconomic Impact of Environmental Policies (CESIEP), Santiago de Chile, Chile, since 2015

Member of the Scientific Advisory Board of the Center for Interdisciplinary Research (ZiF), University of Bielefeld, since August 2015

Awardee of an Alexander-von-Humboldt Professorship 2014 (highest endowed international research award in Germany)

Ranked 17th globally most influential author in environmental and ecological economics and 2nd and 8th most influential publication for the period 2002-2009 (Hoepner et al. *Ecol Econ* 2012)

Member of the Advisory Board for the project 'Remuneration of positive externalities / Payments for ecosystem services in the agriculture and food sectors', FAO Rome, 2013 - 2016

Member of the Advisory Committee on 'Scaling Up Payments and Investments in Watershed Services', Swiss Agency for Development Cooperation, since February 2013

Elected Core Scientific Member of the BioEcon Network since September 2012

Member of the Advisory Committee for 'The Economics of Ecosystem Services and Biodiversity – TEEB Germany' directed by UFZ Leipzig 2012 - 2017

Elected Associate Member of the European Development Network (EUDN) June 2011-August 2016

Member of the Editorial Advisory Board of the Journal of Environmental Economics and Policy since 2011

Member of the Editorial Advisory Board of Quarterly Journal of International Agriculture since 2010

Senior Fellow, Center for Development Research, University of Bonn since 2010

Member of Scientific Advisory Board for Project 'Development of Direct Payments System'. Federal Agency of Agriculture, Switzerland (2007-2008)

Elected Member of the German Economics Association's Committee of Environmental and Resource Economists (Verein für Socialpolitik Ausschuss für Umwelt- und Ressourcenökonomie) (since 5/2006) and Committee on Development (Entwicklungsländerausschuss) (since 6/2004)

Robert Bosch Foundation Junior Research Group Leader (2001-2006)

Bill and Mary Lessley Dissertation Excellence Award (9/1999)

Rhona Lantin Scholarship for best paper by a first-year student (11/1995)

University of Maryland Fellowship (8/1994-7/1996)

Membership of The Honor Society of Agriculture, Gamma Sigma Delta (since 10/1993)

Fulbright Foundation Travel Grant (8/1991)

PROFESSIONAL MEMBERSHIPS

European Association of Environmental and Resource Economists (EAERE), International Society of Ecological Economics (ISEE), International Association for the Study of the Commons (IASC), Verein für Socialpolitik (German Economics Association), Economic Science Association (ESA)

POSITION OFFERS

Upon completion of PhD in 1999: offered Assistant Professorship positions by three US universities, incl. two of the top three in the field of agricultural and resource economics (University of Maryland, University of California at Davis) and University of Arizona, as well as a top European university (University of Wageningen, Netherlands).

When completing post-doctoral degree in 2005/6: offered Associate Professorship positions at ETH Zurich (Switzerland), KVL University, Copenhagen (Denmark), and University of Goettingen (Germany).

CONFERENCES CO-ORGANIZED

XX ANNUAL BIOECON CONFERENCE Pre-Conference Workshop on “The Role of Social Preferences in Promoting Conservation Behaviour”. 12th September, 2018. Kings College, University of Cambridge, Cambridge, UK.

Young researcher’s Workshop of the German Economic Association’s Committee on Environmental and Resource Economics, University of Osnabrueck, February 21-23, 2018.

Regional workshop “Experimental Economics for the Environment”, University of Osnabrueck, October 6, 2016.

Workshop “Experimental Economics for the Environment”. University of Osnabrueck, Osnabrueck. January 28-29, 2016.

‘Payments for Ecosystem Services and their Institutional Dimensions’. Berlin, November 10-12, 2011. (with ZALF, Germany)

‘Environmental Decisions: Risks and Uncertainties’. Centro Stefano Franscini, Monte Verità, Switzerland. April 25 – 29, 2010. (with IED/ETH and University of Zurich).

‘Development Economics and Policy’. Annual Conference of Verein für Socialpolitik, Research Committee Development Economics. May 30-31, 2008. (with CIS/University of Zurich and University of Göttingen, Germany)

‘Payments for Environmental Services (PES) – Methods and design in developing and developed countries’. Titisee, Germany, June 15-18, 2005 (with CIFOR, Brazil, and IIED, U.K.)

RESEARCH GRANTS RECEIVED (selection only)

Alexander von Humboldt-Professorship. Funding Agency: Alexander von Humboldt-Foundation. Grant amount: 3.5 mio EUR. Duration: 1.10.2014-30.9.2019.

“Sustainable management of organic soils“. Funding Agency: Swiss National Science Foundation (NRP 68). Project approved for funding in Dec 2012. Grant amount: 172’450 CHF for own module. (Total project amount: 439’974 CHF). Role: Co-Applicant (joint proposal with Agroscope ART and HAFL)

“Prioritization for adaption to climate and socio-economic changes – Backcasting tolerable future states to match supply and demand for ecosystem services in mountainous areas” (MOUNTLAND II). Funding agency: CCES, ETHZ. Grant amount: 145’000 CHF for own module. Role: Co-Applicant

“The capacity of civil society organisations (CSOs) and their networks in community based environmental management (CiviNet)“. Funding Agency: EU (FP7). Duration: 1.10.2011-

30.9.2014. Grant amount: 210,640 EUR for own part (total project amount: 1,846,660 EUR. Role: PA.

“IWAGO - Integrated water governance with adaptive capacity in Switzerland” Funding Agency: Swiss National Science Foundation (SNSF). Grant amount: 774.000 for overall project; 120'000 CHF for own module. Role: Co-Applicant

“Suitability of auctions as approach to promote public ecosystem services in Swiss agriculture”. Funding agency: Swiss Federal Agency of Agriculture. Grant amount: 15'000 CHF. 2009.

“Preferences for public services provided by Swiss agriculture” Funding agency: Swiss Federal Agency of Agriculture. Grant amount: 15.000 CHF. 2008.

“Sustainable land-use practices in mountain regions: Integrative analysis of ecosystem dynamics under global change, socio-economic impacts and policy implications (MOUNTLAND)” Funding agency: CCES, ETHZ. Grant amount: 1.8 Mio CHF (346'200 CHF 19'400 for own task). Role: Co-applicant, Member of Management Team

“Climate Policy Making for Enhanced Technological and Institutional Innovations (CLIMPOL)” Funding agency: CCES, ETHZ. Grant amount: 1.17 Mio CHF for overall project (100,000 CHF for own module). Role: Co-Applicant, Member of Management Team, Cluster leader

“New policy mechanisms to mitigate wildlife-livestock conflicts: Applicability in developing countries with a specific focus on Bandhavgarh National Park in India” Funding agency: Swiss Center for International Agriculture (ZIL), ETHZ. Grant amount: 200,000 CHF. (+ Complementary funding of SEK 468,450 from Swedish Research Council FORMAS.)

“Determinants and Effects of Alternative Institutions for Natural Resource Management in Developing Countries.” Funding agency: Robert Bosch Foundation (Junior Research Group Leader Program). Grant amount: Phase I: 434,086 EUR. Phase II: 281,500 EUR. (prior to 2006)

PUBLICATIONS² (Student names underlined when articles result from theses supervised by S. Engel)

a) Monographs/ Edited volumes

Palmer, C., and S. Engel 2009. *Avoided Deforestation: Prospects for Mitigating Climate Change*. Routledge Explorations in Environmental Economics, Routledge, Oxford.

Engel, S., 2004. “Designing institutions for sustainable resource management and environmental protection.” Habilitation thesis. Faculty of Agriculture, University of Bonn.

b) Special issues of international refereed journals

Wunder, S., Engel, S., and S. Pagiola, S. (eds.). 2008. “Designing Payments for Environmental Services in Developing and Developed Countries”. Special Issue. *Ecological Economics* 65.

Matzdorf, B., Sattler, C., and S. Engel (eds.). December 2013. “Payments for Ecosystem Services and Their Institutional Dimensions: Institutional frameworks and governance structures of PES schemes”. Special Issue. *Forest Policy and Economics* 37.

Engel, S., and Ovando Pol P. (guest eds.) Forthcoming. Special Issue on Payments for Forest-Watershed Services. *Water Resources and Economics*.

c) Refereed journals and book chapters

Kirchhoff, S.; B.G. Colby, and J.T. LaFrance. 1997. “Evaluating the performance of Benefit Transfer: An empirical inquiry”. *Journal of Environmental Economics and Management* 33: 75-93.

Kirchhoff, S. 2000. “Green Business and Blue Angels: A Model of Voluntary Overcompliance with Asymmetric Information”. *Environmental and Resource Economics* 15(4): 403-20.

Asante, F., Berger, T., Engel, S., and M. Iskandarani. 2002. „Water security in the Ghanaian Volta Basin: Patterns, determinants, and consequences”. *Quarterly Journal of International Agriculture*

² Please note that Stefanie Engel published under her maiden name, Stefanie Kirchhoff, until February 2002.

- 41(1/2) (Special Issue on Agricultural water management and land use in relation to future water supply): 145-167.
- Edig, A. van, Engel, S., and W. Laube. 2002. "Ghana's water institutions in the process of reforms: From the international to the local level." In *Reforming Institutions for Sustainable Water Management*. Neubert, S., Scheumann, W., and A. van Edig (eds.). German Development Institute (DIE), Bonn, Germany.
- Engel, S. "Meta-Analysis vs. Benefit Function Transfer as Policy-Making Tools: A Comparison". 2002. In *Comparative Environmental Economic Assessment*. Raymond J.G.M. Florax, Peter Nijkamp, Ken Willis (eds.). Edward Elgar.
- Sawhney, P., and S. Engel. 2003. "Forest resource use by people in Protected Areas and its implications for biodiversity conservation: The case of Bandhavgarh National Park in India". In *Land use, nature conservation and the stability of rainforest margins in Southeast Asia*. Gerold, G., Fremerey, M., Guhardja E. (eds.). Springer, Berlin.
- Engel, S., and U. Grote. 2004. "Trade liberalization and environmental standards in the agricultural sector: Is there a race to the bottom for environmentalist reasons?" *Quarterly Journal of International Agriculture* 2/04: 89-110.
- Engel, S. 2004. "Achieving Environmental Goals in a World of Trade and Hidden Action: The Role of Trade Policies and Eco-Labeling". *Journal of Environmental Economics and Management* 48(3): 1122-1145.
- Engel, S. 2005. "Endogenitäten im partizipativen Ressourcenmanagement: Politökonomische Aspekte des Bewässerungsmanagements in Ghana." (Endogeneities in participative resource management: political economy aspects of irrigation management in Ghana.) *Schriften des Vereins für Socialpolitik (Journal of the German Economics Association) Vol. 303*. Duncker und Humblot GmbH, Berlin. Pp. 99-126.
- Engel, S., López, R., und C. Palmer. 2006. "Community-industry contracting over natural resource use in a context of weak property rights: The case of Indonesia". *Environmental and Resource Economics* 33(1): 73-98.
- Korf, B., and S. Engel. 2006. "On the Incentives of Violence: Greed and Pride in Sri Lanka's Civil War." *South Asian Economic Journal* 7 (1), 117-129.
- Engel, S. 2006. "Overcompliance, Labeling, and Lobbying: The Case of Credence Goods". *Environmental Modelling & Assessment* 11(2):115-130.
- Bulte, E., und S. Engel. 2006. "Conservation of Tropical Forests: Addressing Market Failure." In *Sustainable Development: New Options and Policies*. López, R., Stiglitz, J., and M. Toman (Eds.). Oxford University Press, New York.
- Engel, S., and C. Palmer. 2006. „Who owns the right? The determinants of community benefits from logging in Indonesia." *Forest Policy and Economics* 8(4): 434-446.
- Behera, B., and S. Engel. 2006. "The four levels of institutional analysis of the evolution of Joint Forest Management in India: A New Institutional Economics approach." *Forest Policy and Economics* 8(4): 350-362.
- Engel, S., Iskandarani, M., and M.d.P. Useche. 2007. "Demand and supply of improved water in the Ghanaian Volta Basin". *International Journal of River Basin Management* 5(1): 31-36.
- Wünscher, T., Engel, S., and S. Wunder. 2006. "Payments for Environmental Services in Costa Rica: Increasing Efficiency through Spatial Differentiation". *Quarterly Journal of International Agriculture* 45(4): 319-37.
- Engel, S., and A.M. Ibañez. 2007. "Displacement due to Violence in Colombia: Determinants and Effects at the Household Level." *Economic Development and Cultural Change* 55(2): 335-365.
- Palmer, C., and S. Engel. 2007. "For better or for worse? Local impacts from the decentralization of Indonesia's forest sector." *World Development* 35(12): 2131-2149.
- Engel, S., and C. Palmer. 2007. "The role of decentralization in integrating cross-sectoral demands on forests." In: *Cross-sectoral Policy Development in Forestry*. Y. C. Dubé and F. Schmithüsen (eds.). CABI/Oxford University Press, pp. 14-23.

- Behera, B., and S. Engel. 2007. "How participatory are Joint Forest Management institutions in Andhra Pradesh, India?" In *Institutions and Development: Failed Expectations and Renewed Hopes*. N. Dinello and V. Popov (eds.). Edward Elgar.
- Engel, S., Wünscher, T., and S. Wunder. 2007. "Increasing the Efficiency of Conservation Spending: The case of Payments for Environmental Services in Costa Rica". In: C.B. Schmitt, T. Pistorius and G. Winkel (eds.). *A Global Network of Forest Protected Areas under the CBD: Opportunities and Challenges*. Freiburg Schriften zur Forst- und Umweltpolitik 16. Verlag Kessel: Remagen.
- Engel, S., and M. Zimmermann. 2007. "Environmental institutions in Germany: Leader or laggard?" In *Environmental Governance and Decentralization: Country Studies*. Breton, A., Brusio, G., Dalmazzone, S., Garrone, G. (Eds.). Cheltenham: Elgar.
- Engel, S. 2007. "Overcompliance, Labeling and Lobbying: The Case of Credence Goods". In *Labelling Strategies in Environmental Policy*. M.F. Teisl (Ed.). Ashgate Publishing. Pp. 139-154. The 'International Library of Environmental Economics and Policy' Series (edited by Tom Tietenberg).
- Engel, S., and C. Palmer. 2008. "Payments for Environmental Services as an Alternative to Logging under Weak Property rights: The Case of Indonesia". *Ecological Economics* 65:799-809. (Featured in *European Commission DG Environment News Alert Service*. <http://ec.europa.eu/environment/integration/research/newsalert/pdf/5si6.pdf>)
- Wünscher, T., Engel, S., and S. Wunder. 2008. "Spatial Targeting of Payments for Environmental Services: A Tool for Boosting Conservation Benefits." *Ecological Economics* 65:822-833.
- Engel, S., Pagiola, S., and S. Wunder. 2008. "Designing Payments for Environmental Services in Theory and Practice – An Overview of the Issues." *Ecological Economics* 65:663-674. On Science Direct's List of Hottest Articles in Economics, Econometrics and Finance.
- Wunder, S., Engel, S., and S. Pagiola. 2008. "Taking Stock: A comparative analysis of Payments for Environmental Services Programs in Developed and Developing Countries". *Ecological Economics* 65:834-852.
- Engel, S., and R. López. 2008. "Exploiting Common Resources with Capital-Intensive Technologies: The Role of External Forces". *Environment and Development Economics* 13(5):565-589.
- Engel, S., and C. Palmer. 2009. "Designing Payments for Environmental Services with Weak Property Rights and External Interests." In: Lipper, L., Sakuyama, T., Stringer, R., and D. Zilberman (eds.), *Payments for Environmental Services in Agricultural Landscapes: Economic Policies and Poverty Reduction in Developing Countries*, Food and Agriculture Organization of the United Nations (FAO) and Springer Press.
- Palmer, C., and S. Engel. 2009. "Introduction: reducing CO2 emissions through avoided deforestation?" In: *Avoided Deforestation: Prospects for Mitigating Climate Change*. Palmer, C., and S. Engel (eds.). Routledge Explorations in Environmental Economics, Routledge, Oxford.
- Engel, S., Wünscher, T., and S. Wunder. 2009. "Increasing the efficiency of forest conservation: the case of payments for environmental services in Costa Rica." In: *Avoided Deforestation: Prospects for Mitigating Climate Change*. Palmer, C., and S. Engel (eds.). Routledge Explorations in Environmental Economics, Routledge, Oxford.
- Engel, S., and C. Palmer. 2009. "Prospects for mitigating climate change through avoided deforestation: conclusions and outlook." In: *Avoided Deforestation: Prospects for Mitigating Climate Change*. Palmer, C., and S. Engel (eds.). Routledge Explorations in Environmental Economics, Routledge, Oxford.
- Zabel, A., and S. Engel. 2010. "Performance payments: A new strategy to conserve large carnivores in the tropics?" *Ecological Economics* 70(2010):405-412.
- Rustagi, D., Engel, S., Kosfeld, M. 2010. "Conditional Cooperation and Costly Monitoring Explain Success in Forest Commons Management." *Science* 330: 961-965.
- Engel, S., Hobi, S., and A. Zabel. 2010. "Ensuring REDD plays its part in any post-2012 agreement: which issues remain to be resolved?" *Carbon Management* 1(2):261-69.

- Engel, S., C. Palmer, and M. Berg. 2011. "Market-based solutions to reduce emissions from deforestation and degradation (REDD) ", In A. Calvillo (ed.), *Environmental Alpha: Institutional Investors and Climate Change*. John Wiley and Sons. Pp. 213-244.
- Zabel, A., Pittel, K., Bostedt, G., and S. Engel. 2011. "Comparing Conventional and New Policy Approaches for Carnivore Conservation – Theoretical Results and Application to Tiger Conservation. *Environmental and Resource Economics* 48:287-301.
- Engel, S., Hobi, S., and A. Zabel. 2011. "Neue Entwicklungen und offene Fragen zu REDD+ (New developments and open questions regarding REDD+)". *Schweizerische Zeitschrift für Forstwesen (Swiss Forestry Journal)* 162(4):117-123.
- Engel, S., and C. Palmer. 2011. "Complexities of decentralization in a globalizing world." *Environmental and Resource Economics* 50:157–174.
- Andrade de Sa, S., Palmer, C., and S. Engel. 2012. "Ethanol production, food and forests." *Environmental and Resource Economics* 51(1), 1-21.
- Wünscher, T., and S. Engel. 2012. "International Payments for Biodiversity Services: Review and Evaluation of Conservation Targeting Approaches". *Biological Conservation* 152 (2012) 222–230.
- Cavalcanti, C., Engel, S., Leibbrandt, A. 2013. "Social integration, participation, and community resource management". *Journal of Environmental Economics and Management* 65(2): 262-276.
- Engel, S., Palmer, C., and A. Pfaff. 2013. "On the endogeneity of resource co-management: theory and evidence from Indonesia." *Land Economics* 89(2): 308-329.
- Matzdorf, B., Sattler, C., and S. Engel. 2013. "Institutional Frameworks and Governance Structures of PES schemes". *Forest Policy and Economics* 37: 57-64. <http://dx.doi.org/10.1016/j.forpol.2013.10.002>
- Engel, S., and M. Schäfer. 2013. "Ecosystem Services - A useful concept for addressing water challenges?" *Current Opinion in Environmental Sustainability* 5:696–707.
- Zabel, A., Bostedt, G., Engel, S. 2014. "Performance Payments for Groups: The Case of Carnivore Conservation in Northern Sweden." *Environmental and Resource Economics* 59(4): 613-631.
- Wünscher, T., and S. Engel, with contributions from K. Karousakis. 2014. "Cost-effective targeting for IPES." In *Global Biodiversity Finance: The Case for International Payments for Ecosystem Services*. Bishop, J., Hill, C., (eds.). Edward Elgar, UK.
- Engel, S. "Payments for environmental services". 2014. In *Essential Concepts of Global Environmental Governance*, J. F. Morin and A. Orsini (eds.). Routledge.
- Engel, S., Palmer, C., Taschini, L., Urech, S. 2015. "Conservation Payments under Uncertainty". *Land Economics* 91(1): 36-56.
- Veronesi, M., Reutemann, T., Zabel, A., and S. Engel. 2015. „Designing REDD+ schemes when forest users are not forest landowners: Evidence from a survey-based experiment in Kenya.“ *Ecological Economics* 116: 46-57.
- Engel, S., Wünscher, T. 2015. "Payments for environmental services as a mechanism to promote biodiversity conservation in a Green Economy: Potentials and limitations". In: *Biodiversity in the Green Economy*. Gasparatos, A., Willis, K. (eds.). London: Routledge
- Engel, S. 2016. "The Devil in the Detail: A Practical Guide on Designing Payments for Environmental Services", *International Review of Environmental and Resource Economics* 9(1–2):131-177. <http://dx.doi.org/10.1561/101.00000076>
- Reutemann, T., Engel, S., Pareja, E. 2016. How (not) to Pay - Field Experimental Evidence on the Design of REDD+ Payments. *Ecological Economics* 129: 220-229.
- Engel, Stefanie, Muller, A. 2016. Payments for Environmental Services to Promote Climate-Smart Agriculture? Potential and Challenges. *Agricultural Economics* 47 (S1): 173–184.
- He, P., Veronesi, M., Engel, S. 2017. Consistency of Risk Preference Measures: An Artefactual Field Experiment from Rural China. *Journal of Development Studies* <http://dx.doi.org/10.1080/00220388.2017.1336542>.

Muller, A., Ferré, M., Engel, S., Gattinger, A., Holzkämper, A., Huber, R., Müller, M., Six, J. 2017. Can soil-less crop production be a sustainable option for soil conservation and future agriculture? *Land Use Policy* 69: 102-105.

Wunder, S., Brouwer, R., Engel, S., Ezzine-de-Blas, D., Muradian, R., Pascual, U., Pinto, R. 2018. From principles to practice in paying for nature's services. *Nature Sustainability* 1 (March 2018): 145-150.

Ferré, M., Engel, S., Gsottbauer, E. 2018. Which Agglomeration Payment for a Sustainable Management of Organic Soils in Switzerland? – An Experiment Accounting for Farmers' Cost Heterogeneity. *Ecological Economics* 150: 24-33.

Thomas, F., Koessler, A.-K. & Engel, S. 2018. Stupsende Agrarpolitik? – Nudging zu einer nachhaltigen Landwirtschaft. (A nudging agricultural policy? – Nudging for sustainable agriculture). *Vierteljahrshefte zur Wirtschaftsforschung (Quarterly Journal of the German Institute for Economic Research, DIW Berlin)* 87 (2): 127–138.

Thomas, F., E. Midler, M. Lefebvre and S. Engel (in press for 2019). Greening the Common Agricultural Policy: a behavioral perspective and lab-in-the-field experiment in Germany. *European Review of Agricultural Economics*.

d) Papers under review

Ferré, M., Muller, A., Leifeld, J., Bader, C., Müller, M., Engel, S., Wichmann, S. 2017. Sustainable management of cultivated peatlands in Switzerland: insights, challenges, and opportunities. Submitted to *Land Use Policy*.

Ferré, M., Engel, S., Gsottbauer, E. Incentives for sustainable land use considering cost heterogeneity among land users: Results from a framed laboratory experiment. Submitted to *Journal of Environmental Economics and Management*.

Ferré, M., Engel, S., Gsottbauer, E. External validity of experiments in environmental economics: framing and subject pool effects in a resource dilemma. Submitted to *Ecological Economics*.

Lliso, B., Pascual, U., Engel, S. The effect of social equity on the outcomes of payments for ecosystem services: Practitioners' perceptions in Latin America. Submitted to *World Development*.

Lliso, B., Pascual, U., Engel, S., Mariel, P. Payments for ecosystem services or collective stewardship of Mother Earth? Applying deliberative valuation in an indigenous community in Colombia. Submitted to *Ecological Economics*.

e) Conference papers (to be submitted shortly)

Gsottbauer, E., Engel, S., Wätzold, F., Drechsler, M. Coordination and Inequalities in Agglomeration Payments: An Experimental Analysis.

Heitmann, F., Pahl-Wostl, C., Engel, S. Using System of Systems Engineering to develop a Nexus Design Framework.

Javaid, A., Engel, S., Schlüter, A. Sharing between me, my friends & others: Common-pool resource extraction in presence of subgroups.

Kouakou, A.-G., Gsottbauer, E., Engel, S. How competitive are you? - An experimental study on self-selection in auctions for conservation contracts.

Thomas, F., Engel, S. Understanding Farmer Self-Identities and Pro-Environmental Behavior: An Experimental Approach and Cluster Analysis.

PRESENTATIONS (selection only)

Regular presentations at the Annual Conferences of the European Association of Environmental and Resource Economists, the World Congress of Environmental and Resource Economists, and the BIOECON conference

Designing payments for environmental services: theory meets practice. Keynote presentation. Ecosystem Services Partnership European Conference, San Sebastian, Spain, October 15-19, 2018.

“Acting climate-friendly: Hurdles and solution approaches.” Keynote presentation at the Humboldt Colloquium “Moving Forward – The UK-German Research Network in a Changing World. Oxford, UK, March 15-17, 2018.

Keynote panel presentation at the Conference on Behavioral & Experimental Agri-Environmental Research: Methodological Advancements & Applications to Policy (CBEAR-MAAP). Shepardstown, WV, USA, October 14-15, 2017 (had to cancel due to illness).

“Designing local-level REDD+ payments in Brazil – A computer-game based experiment “ (based on joint work with T. Reutemann). Invited contribution to the Policy Session *Policy lessons from field experiments on natural resource management in developing countries*. 22nd Annual Conference of the Environmental and Resource Economics (EAERE), Zurich, Switzerland, June 22-25, 2016.

“Payments for Environmental Services (PES): Introduction and Design Issues.” Centre for Environmental and Resource Economics (CERE), Umea University, Sweden, October 5, 2015.

“Payments for Environmental Services to Promote Climate Change Mitigation & Adaptation in Agriculture: Policy potential and design lessons.” Plenary presentation at the International Conference of Agricultural Economists, Milan, Italy, August 13, 2015.

“Field experiments for natural resource policy analysis & design.” Workshop on Comparative Framed Field Experiments on the Environment (COFFEE), Barcelona, May 18, 2015.

“Field experiments for environmental policy design.” Workshop on Environmental and Resource Economics Insights from Experimental and Behavioral Economics, Montpellier, June 3, 2015.

“Designing and Implementing Payment for Ecosystem Service schemes”. Invited presentation at the BioEcon –UNEP Policy Workshop ‘Economics of biodiversity and ecosystem services: Building Biodiversity and Ecosystem Services into National Policy’. September 20th -21st 2014, University of Cambridge.

“What have we learnt on designing Payments for Environmental Services – A critical economist’s view”. Keynote presentation. International workshop on “How to articulate PES to other policy instruments in developing and developed nations”. CIRAD, Montpellier, June 11-13, 2014.

“Overcoming commons dilemmas in the provision of ecosystem services”. Invited presentation at the Max-Planck-Institute for Common Goods. Bonn, Germany, March 10, 2014.

“Designing PES – Lessons learnt and open questions”. Invited for keynote presentation at the Multi-Stakeholder Dialogue on Remuneration of Positive Externalities (RPE)/ Payments for Environmental Services (PES), September 13, 2013, FAO, Rome.

“Ecosystem Services – A useful concept for addressing global water challenges?”. Keynote presentation. Global Water System Project (GWSP) Annual Conference 2013 ‘Water in the Anthropocene: Challenges for Science and Governance’, May 21-24, 2013, Bonn, Germany.

“Designing Payments for Environmental Services – Lessons learned and to be learned”. Invited presentation. April 24, 2013. University of Innsbruck, Austria.

“Ökonomische Aspekte von Biodiversität (Economic aspects of biodiversity)”. Invited presentation at the symposium “Biodiversität oder das Ende der Vielfalt (Biodiversity or the end of diversity)”, Academy of Sciences North-Rhein Westfalia, October 18, 2012, Dusseldorf, Germany.

- “Designing payments for environmental services – An overview”, Keynote address, 14th Annual BIOECON Conference on “Resource Economics, Biodiversity Conservation and Development”, 18-20 September 2012, Kings College, Cambridge, UK.
- “Designing REDD+ schemes to address equity and permanence concerns: Empirical evidence from Kenya”, Invited public lecture, London School of Economics, London, March 5, 2012.
- “Institutional Dimensions of PES – An overview of selected research”, Keynote presentation, International Conference on ‘Payments for Ecosystem Services and their Institutional Dimensions’. Berlin, November 10-12, 2011.
- “Social Networks and Community Resources Management”, Workshop in Political Theory and Policy Analysis, Bloomington, US, October 2009, (Invited presentation held by lead author Carina Cavalcanti; Co-authors: Stefanie Engel, Andreas Leibbrandt).
- “The complexities of decentralization as an approach to reduce natural resource degradation and poverty in a globalized world”. (Keynote presentation.) International Conference on “Economics of Poverty, Environment and Natural Resource Use.” Wageningen, The Netherlands. May 17-19, 2006.
- “Environmental Services under Weak Property Rights.” FAO Workshop on ‘Environmental Services for Poverty Reduction and Food Security.’ Food and Agriculture Organization (FAO), Agricultural and Development Economics Division, Rome. May 30-31, 2005.
- “Community-industry contracting over natural resource use in a context of weak property rights: The case of logging concessions in Indonesia”. (Keynote presentation.) 81th EAAE Seminar *Economics of Contracts in Agriculture*, Third Annual Workshop, June 19-21, 2003, Copenhagen, Denmark.