



Marianne Penker

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CV and overview of Activities & Projects
Past Publications and Presentations
Ongoing and Future Research
Teaching & Mentoring
Third Mission

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1. Curriculum vitae & overview of activities and projects

Name	Marianne Penker (Univ.Prof., Dr.) ORCID: 0000-0002-5185-9558 Born in Kolbnitz, Austria Scopus Author ID: 6505929928 Mother of two sons, married	
Present affiliation	Professor Rural Sociology and Rural Development Institute for Sustainable Economic Development Department of Economics and Social Sciences University of Natural Resources and Life Sciences, Vienna (BOKU) Feistmantelstraße 4, 1180 Vienna, Austria E: penker@boku.ac.at , W: https://short.boku.ac.at/penker/en P: +43 1 47654 - 73115, F: +43 1 47654 - 73009	
Education & training	2007	Venia Docendi (habilitation) in Regional Development (BOKU); Thesis. “Rural governance – the institutional dimension of landscape change”
	2000	Doctorate in Agricultural Sciences, BOKU (on nature conservation contracts)
	1996	Graduation at BOKU, Landscape Planning and Landscape Stewardship
	1994	Landscape planning, Politecnico di Milano (ERASMUS exchange programme)
	1993 – 1996	Law, University of Vienna
Research & teaching positions	2025-	Head of the Institute of Sustainable Economic Development at BOKU
	2022 – 2024	Deputy Head of the Institute of Sustainable Economic Development at BOKU
	2020	Guest researcher at the University of Nagoya, Graduate School of Environmental Studies, Dep. of Social and Human Environment (Jan. to Apr.)
	2017 –	Professor Rural Sociology and Rural Development
	2013 – 2016	Deputy Head of the Institute of Sustainable Economic Development at BOKU
	2009 – 2012	Deputy Head of the Department of Economics and Social Sciences at BOKU
	2011 – 2016	Deputy Head of the Doctoral School Sustainable Development at BOKU
	2008 – 2010	Lecturer – MSc Management of Protected Areas (Klagenfurt University)
	2007 – 2017	Assoc. Professor (Ao.Univ.Prof.) at the BOKU, Institute for Sustainable Economic Development, Department of Economics and Social Sciences
	2004 – 2007	Assistant Professor (Vertragsassistentin) at BOKU Institute of Sustainable Economic Development
	2003	Affiliate researcher at the University College London, Centre for Social and Economic Research on the Global Environment (CSERGE), for half a year
	2003 – 2008	Lecturer – Free University Bolzano/ Bozen, Italy
	2001 – 2003	Assistant Professor (Vertragsassistentin) at the BOKU, Institute of Agricultural Economics, Regional Development Group
	1999 – 2001	Doctoral fellow – Grant of the Austrian Academy of Sciences (DOC)
	1997 – 1999	Researcher (Forschungsassistentin) at the BOKU, Institute of Agricultural Economics, Regional Development Group
Grants, prizes, etc.	2022	BOKU Teaching Award (team coordinated by Elisabeth Schuppenlehner)
	2019	Austrian SDG-Award, Senat der Wirtschaft, Parlament. Carnuntum Projekt
	2015	Shortlisted for ERC Consolidator Grant (PI, not awarded)
	2014	Full Professor (W3) of “Societal Transition and Agriculture”/”Gesellschaftliche Transformation und Landwirtschaft” at the University of Hohenheim - Invited for hearing, withdrawal of application by applicant
	2014	Full Professor (W3) and chair of “Spatial Development and Environmental Planning” at the University of Stuttgart – Listed at 2nd place
	2001	Prize for Environmental Research by the City of Vienna
	1999	DOC-Grant of the Austrian Academy of Sciences

Activities	Categories	Focus
Research	73 SCI/SSCI articles	Topics: Sustainable development, climate change, landscape governance, agro-food studies; rural transformation; inclusive participation processes
	32 Other articles	Methods: Qualitative and quantitative empirical social science methods (including q-method, social-network analysis, mixed methods); case studies; meta-analysis; transdisciplinary methods (foresight methods; vulnerability analysis; serious games, participatory camera, etc.)
	15 (Co-edited) Monographs	
	23 Book contributions	Theories: Complex systems theories, new institutionalism and organizational theories (transition theory; transition management theory, assemblage theory, food regime theory, social-ecological systems and institutional analysis and development framework, management and transition framework, commons, property rights, convention theory, social (ecological) embeddedness, relational proximities)
	169 Conference presentations	
Teaching	27 Research projects	Theory and Principles of Inter- and Transdisciplinary Research, Institutional innovation and sustainability transformation, Methods of knowledge integration in inter- and transdisciplinary research, Rural Development, Regional Governance, Agro-Food Studies; Sozio-kulturelle Aspekte der Regionalentwicklung, Doctoral School Transition to Sustainability, Doctoral School Social Ecology
	27 Courses, 3 universities	
	13 Doctoral theses main supervisor	
Mentoring	29 Doctoral theses co-supervisor	
	- § 99[5] tenure track positions of Katharina Gugerell and Verena Radinger-Peer	
	- Human nature relationships and nature's contribution to people in Tokyo's and Vienna's gardens (working title), Viktoria Blaschek (Monbukagakusho PhD grant at Tokyo University), 2023–2027 (Japanese Science Foundation)	
	- Urban food environments: An ethnographic study of barriers and enablers to democratic food citizenship (Food citizenship London & Vienna, Marta Lopez Cifuentes Schrödinger project an der University of Surrey and BOKU, 2022–2024 (FWF))	
	- Re-structured, Re-focused, Re-thought: Exploring values-based modes of production & consumption in the corporate food regime (FoodValues), coordinated by Plank Christina (FWF)	
	- Social proximity in the coffee sector: comparative analysis of conventional and relational coffee value chains, supervisor and co-applicant of Hanna Edelmann's DOC grant (ÖAW)	
	- Interacting and evolving quality conventions: An institutional analysis of international coffee value chains, co-applicant of Xiomara F. Quinones-Ruiz' Hertha Firnberg grant (FWF)	
	- Higher Education Institutions – Region Collaboration, hosting Verena Radinger-Peer, Hertha Firnberg grant (FWF)	
	- Appear projects (ADC) of Atsede Desta Tegegne and Resty Naiga	
	- Continuous learning programme for school teachers and municipal employees on the UN Agenda 2030, co-developed by the Private University of Education, Diocese Linz and BOKU, coordinated by Elisabeth Schuppenlehner-Kloyber	

Co-organisier of the 1st **Conference of the European Chapter of the International Association for Society and Natural Resources**, 8-10 March 2023, Technische Universität Berlin, <https://www.iasnr.org>

Austrian Climate Council, Member of Scientific Board, <https://klimarat.org/>

Scientific Advisory Board member of the AREPO Scientific Council (**Association of European Regions for Products of Origin**) (since 2021), <https://www.arepoquality.eu/>

Co-organisier of the **EURO-MAB 2022** Conference, <https://www.euromab2021.at/>

Co-organisier of the IASC (International Association for the Study of the Commons) Virtual Conference on **Food Commons in Europe and Beyond**, <https://2021food.iasc-commons.org/>

Member of **SAPEA-FOOD** (Science Advice for Policy by European Academies; for the European Commission) publishing the Review Report: “A Sustainable Food System for the European Union”, which informed the Scientific Opinion of the European Commission’s Group of Chief Scientific Advisors and the new EU Farm to Fork Strategy, <https://sapea.info/topic/food/>, Presentation at the public hearing of the **European Parliament** 4 February 2021 in Brussels and online

Member/chair of the **editorial board of the Society and Natural Resource book series** (since 2019), <https://www5.iasnr.org/press-book-series/>

Member of the **editorial board** of the Collection “Expertise in Integration and Implementation for Transformative Research”, **Humanities & Social Sciences**, <https://www.nature.com/collections/ahbhdghcda>

Chair of the **National Committee of the UNESCO Programme Man and Biosphere**, Austrian Academy of Sciences, <http://www.biosphaerenparks.at/index.php/de/nationalkomitee> since 2012 member, since 2015 Deputy Chair, since 2022 Chair)

Membership in Scientific Associations: International Association for Society and Natural Resources, td-Academy, Global Alliance for Inter- and Transdisciplinarity, International Association for the Study of the Commons, European Society for Rural Sociology, (Agro-)Food Studies Network, Austrian Society of Sociology (ÖGS - Sektion Agrarsoziologie und ländliche Soziologie), Austrian Working Group Social Research in Rural Areas (Österr. Arbeitsgemeinschaft ländliche Sozialforschung)

Member of diverse BOKU committees, e.g., currently: Doctoral School Social Ecology, Doctoral School Transition to Sustainability, Study Commission of BOKU Senate, BOKU Advisory Board for Prizes and Grants, Steering Committee of the BOKU Sustainability Strategy, Advisory Board of the Centre for Global Change and Sustainability, Partner in the Centre for Development Research

Reviewer for scientific journals: e.g., Agriculture and Human Values, Biodiversity and Conservation, Community Development Journal, Ecology & Society, Environmental Conservation, Environmental Science & Policy, Forest Policy and Economics, GAIA: Ecological Perspectives for Science and Society, Geoforum, International Journal of Agricultural Resources, Governance and Ecology, International Journal of Social Economics, International Journal of Sustainable Society, International Journal of the Commons, International Regional Science Review, Journal of African Studies and Development, Journal of Cleaner Production, Journal of Rural Studies, Land Use Policy, Natural Resources Forum, Österreichische Zeitschrift für Soziologie, Society and Natural Resources, Sustainability, Sustainability Science, Systemic Practice and Action Research, World Development

Member of evaluation boards: e.g., Institute for Science in Society at Radboud University (2023), Wageningen School of Social Sciences (2021), Expert for AQ Austria: Accreditation of “Central European University – Private University” (2019); German Research Foundation, Niedersächsisches Ministerium für Wissenschaft und Kunst, Federal Ministry of Education and Research - Germany, Swiss Science Foundation, Research Foundation Flanders – Belgium, Leverhulme Trust, Austrian Academy of Sciences, German TEEB study: The Economics of Ecosystems and Biodiversity; Expert Reviewer for the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES), Biodiversa/Belmont Forum; Epicur Selection Committee; Konrad Lorenz Institute

- Towards sustainable food systems: exploring options for a sustainable food transition in Austria, FFG, Strategic project in FFoQSI COMET Centre [Austrian Competence Centre for Feed and Food Quality, Safety and Innovation](#), 2025-2028, PI with Karlheinz Erb, Austrian Competence Centre for Feed and Food Quality, Safety and Innovation
 - [Trans-Local Food Coalitions](#) (partner, WEAVE Project, FWF: 12362, € 1,008,000 CHF, BOKU-part: € 297827, 2024-2027)
 - Alpine Mountain Hay Meadows Management: Best management practices to maintain alpine mountain hay meadows in their Favourable Conservation Status against the threat of underuse under different property right ownership regimes inside and outside protected areas ([ALPMEMA](#)), Biodiversa+ joint research programme by BiodivERsA and the European Commission; 2023–2026; Partner; 1.449 Mio € (BOKU share 0.252); 5.5 FTE (docs and post-docs incl. in-kind professors)
 - Biosphere reserves as models for Science-Society interaction to spur sustainability transformations in mountainous areas ([BIOSS](#)), Austrian Academy of Sciences (ÖAW) 2022–2025; Partner, 0.499 Mio € (BOKU share 0.441), 2.1 FTE (docs and post-docs) and in-kind
 - [COWLEARNING](#) for sustainable beef and dairy supply. FWF-ConnectingMinds Project 2022–2027; Coordinator, 1.011 Mio € (BOKU share 0.785); 3.05 FTE (doc and post-docs) and in-kind
 - Aligning risks and coping appraisals to kick off local climate action ([ACCORD](#)), ACRP 2022–2024; Partner; 0.3 Mio € (BOKU share 0.174); 1.2 FTE (doc and post-docs) and in-kind
 - ‘Science Advice for Policy by European Academies’ ([SAPEA](#)), European Commission, 2019-2020; Grant Agreement 737432; co-author (travel costs and allowance, in-kind)
 - [Selbstermächtigung, Selbstorganisation und regionale Transformation](#) (Empowerment, self-organisation and regional transformation - the model of the Club of Rome Region Carnuntum)– Am Modell Club of Rome Carnuntum (Land Niederösterreich) 2019-2022; Co-ordinator; 1.096 Mio € (BOKU share 0.445); 2.9 FTE (docs and post-docs; in-kind-professors)
 - [The Future of Urban Food](#) (FOOD) – Scenarios of urban agro-food systems and their eco-economic impacts for the case of Vienna WWTF (ESR17-042); Partner; 0.65 Mio € (all BOKU); 3.6 FTE (docs and post docs, incl. in-kind professors)
 - Understanding farmers’ land use behaviour under different institutional settings (FWF - within the [DFG Research Unit 2569 FORland](#) on Land Markets), 2017-20; joint PI, € 1,761,092 (BOKU: 264,237).
 - [GI:adapt](#): Institutional conditions for the adaptability of quality standards of Austrian and Italian Geographical Indications (Research Funds of the Austrian National Bank, OeNB Funds) 2016-2018; Coordinator; 190,000 € (all BOKU)
 - BRIM: Establishing an integrated monitoring scheme for the transboundary Biosphere Reserve Salzburger Lungau & Kärntner Nockberge (Austrian Academy of Sciences, MAB) 2013-2015; Partner; 75,310 €
 - [GI:Fair](#) - Geographical Indications: Favourable Institutions for Rural Development (Research Funds of the Austrian National Bank, OeNB Funds) 2012-2015, Coordinator; 108,760 € (all BOKU)
 - [Transition towards sustainable energy behaviour](#) - A comparative analysis of individual and collective engagement in photovoltaics (funded PhD-project) 2013-2016; Supervisor; 110,000 €
- Sustainable University – sustainability in higher education and research
(dokNE 2 projects: 10 PhD-projects funded by the Federal Ministry of Education, Science and Culture, REWE-Group Austria, Amt der Niederösterreichischen Landesregierung, City of Vienna and others)
- Population Pressure and Livelihood Strategy Changes (funded PhD-project) 2013-2016; Supervisor 35,640 €

Selected research projects *(continued)*

- [Governance for Long-Term Access to Safe Water](#) in Rural Uganda (Appear) 2012-2015; PI 39,480 €
- [sro_peripher 2030](#): Effects of different intervention scenarios on the future demographic development in peripheral rural areas (Planungsgemeinschaft OST: Länder Niederösterreich, Burgenland)
- Aggregate vulnerability indicators: explanatory power and usefulness for governance; Regional Futures under the Microscope: Regional Challenges in Upper Austria (A), Lower Austria (A), Styria (A) and Kassel (Germany)" (Austrian Climate Research Programme 3rd Call)
- Scenarios for the spatial and regional development of Austria in the European context (ÖROK: Austrian Conference on Spatial Planning)
- Participatory decision making in nature conservation and landscape development - A transaction costs analysis;
- Civil society engagement in cultural landscape protection;
- Integrative spatial land use modelling for simulation, analysis and valuation of agricultural production schemes;
- Building and applying an integrated economic land use model for analysing human-environment interactions;
- Alternative need assessment in the Austrian system of fiscal equalization to consider demographic changes in rural regions
- (all dokNE 1 projects: 16 PhD-projects funded by the Federal Ministry of Education, Science and Culture (proVision), Amt der Niederösterreichischen Landesregierung, Amt der Steiermärkischen Landesregierung, City of Vienna, Federal Ministry of Agriculture, Forestry, Environment and Water Management)
- Leben 2014 – Perspektiven der Regionalentwicklung in der Nationalparkregion Hohe Tauern (Federal Ministry of Education, Science and Culture)
- Conversion to organic farming: Integrative analysis of effects in case study regions (Federal Ministry of Education, Science and Culture, Federal Ministry of Agriculture, Forestry, Environment and Water Management; Austrian Research Programme Cultural Landscapes)
- Fast Food – Slow Food – Sustainable landscape development and food chain management (Federal Ministry of Education, Science and Culture, Austrian Research Programme Cultural Landscapes)
- Contractual nature conservation: analysis and development potentials (OeNB Funds)
- Law and its effects on landscape development (Federal Ministry of Science and Transport, Federal Ministry of Agriculture and Forestry, Federal Ministry of Environment, Youth and Family; Austrian research programme Cultural Landscapes)

Networks

- CCCA Arbeitsgruppe Sozial-Ökologische Transformation (member since 2016, co-speaker since 2022), <https://ccca.ac.at/netzwerkaktivitaeten/ccca-arbeitsgruppen/ag-sozial-oekologische-transformation>
- Agro-Food Studies Network, <https://www.ruralhistory.at/de/agro-food> (Member since 2011)
- European Consortium of Landscape Economics (French Ministry of Sustainable Development, Landscape Research Programme)
- Rural Property Network: Contemporary processes of rural transformation and differentiation DFG, German Research Foundation

2. Past research: publications and presentations

2.1 Articles in SCI/SSCI journals

- Fischer C., Radinger-Peer V., Krainer L., Penker M. (2024): Communication tools and their support for integration in transdisciplinary research projects. *Humanities and Social Sciences Communications*, 11 (1), art. no. 120. <https://doi.org/10.1057/s41599-024-02607-3>
- Bohunovsky L., Radinger-Peer V., Zint M., Penker M. (2023): Change agents under tensions: a paradox approach to strategies for transforming higher education toward sustainability. *International Journal of Sustainability in Higher Education*, 24 (9), pp. 372 – 392. <https://doi.org/10.1108/IJSHE-12-2022-0393>
- Gugerell K., Radinger-Peer V., Penker M. (2023): Systemic knowledge integration in transdisciplinary and sustainability transformation research. *Futures*, 150, art. no. 103177. <https://doi.org/10.1016/j.futures.2023.103177>
- Mpofu E., Radinger-Peer V., Musakwa W., Penker M., Gugerell K. (2023): Discourses on landscape governance and transfrontier conservation areas: converging, diverging and evolving discourses with geographic contextual nuances. *Biodiversity and Conservation*, 32 (14), pp. 4597 – 4626. <https://doi.org/10.1007/s10531-023-02720-w>
- López Cifuentes, M., Penker, M., Kaufmann, L., Wittmann, F., Fiala, V., Gugerell, C., Lauk, C., Krausmann, F., Eder, M., Freyer, B. (2023): Diverse types of knowledge on a plate: a multi-perspective and multi-method approach for the transformation of urban food systems towards sustainable diets. *Sustainability Science*, 18(4), pp. 1613–1630. DOI: <https://doi.org/10.1007/s11625-022-01287-9>
- Brossette, F., Bieling, C., Penker, M. (2022): Adapting common resource management to under-use contexts: The case of common pasture organizations in the Black Forest Biosphere Reserve. *International Journal of the Commons* 16(1), 29–46. DOI: <https://doi.org/10.5334/ijc.1138>
- Edelmann, H., Quiñones-Ruiz, X.F., Penker, M. (2022): How close do you like your coffee? – Examining proximity and its effects in relationship coffee models. *Journal of Rural Studies* 91, 24–33. DOI: <https://doi.org/10.1016/j.jrurstud.2022.02.007>
- García-Martín, M., Huntsinger, L., Ibarrola-Rivas, M.J., Penker, M., D'Ambrosio, U., Dimopoulos, T., Fernández-Giménez, M.E., Kizos, T., Muñoz-Rojas, J., Saito, O., Zimmerer, K.S., Abson, D.J., Liu, J., Quintas-Soriano, C., Sørensen, I.H., Verburg, P.H., Plieninger, T. (2022): Landscape products for sustainable agricultural landscapes. *Nature Food* 3(10), 814–821. DOI: <https://doi.org/10.1038/s43016-022-00612-w>
- Penker, M., Scaramuzzi, S., Edelmann, H., Belletti, G., Marescotti, A., Casabianca, F., Quiñones-Ruiz, X. F. (2022): Polycentric structures nurturing adaptive food quality governance – Lessons learned from geographical indications in the European Union. *Journal of Rural Studies* 89, 208–221. DOI: <https://doi.org/10.1016/j.jrurstud.2021.11.023>
- Radinger-Peer, V., Schuppenlehner-Kloyber, E., Penker, M., Gugerell, K. (2022): Different perspectives on a common goal? The Q-method as a formative assessment to elucidate varying expectations towards transdisciplinary research collaborations. *Sustainability Science*, 17(6), 2459–2472. DOI: <https://doi.org/10.1007/s11625-022-01192-1>
- Gugerell, C., Sato, T., Hvitsand, C., Toriyama, D., Suzuki, N., Penker, M. (2021): Know the farmer that feeds you: A cross-country analysis of spatial-relational proximities and the attractiveness of community supported agriculture. *Agriculture* 11(10), art. no. 1006. DOI: <https://doi.org/10.3390/agriculture11101006>
- Jackson, P., Rivera Ferre, M.G., Candel, J., Davies, A., Derani, C., de Vries, H., Dragović-Uzelac, V., Hoel, A.H., Holm, L., Mathijs, E., Morone, P., Penker, M., Śpiwak, R., Termeer, K., Thøgersen, J. (2021): Food as a commodity, human right or common good. *Nature Food* 2(3), 132–134. DOI: <https://doi.org/10.1038/s43016-021-00245-5>
- Leonhardt, H., Braitto, M., Penker, M. (2021): Why do farmers care about rented land? Investigating the context of farmland tenure. *Journal of Soil and Water Conservation* 76(1), 89–102. DOI: <https://doi.org/10.2489/jswc.2021.00191>
- Bohunovsky, L., Radinger-Peer, V., Penker, M. (2020): Alliances of change pushing organizational transformation towards sustainability across 13 universities. *Sustainability (Switzerland)* 12(7), art. no. 2853. DOI: <https://doi.org/10.3390/su12072853>
- Braitto, M., Leonhardt, H., Penker, M., Schuppenlehner-Kloyber, E., Thaler, G., Flint, C.G. (2020): The plurality of farmers' views on soil management calls for a policy mix. *Land Use Policy* 99, art. no. 104876, DOI: <https://doi.org/10.1016/j.landusepol.2020.104876>

- Döringer, S., Uchiyama, Y., Penker, M., Kohsaka, R. (2020): A meta-analysis of shrinking cities in Europe and Japan. Towards an integrative research agenda. *European Planning Studies* 28(9), 1693–1712. DOI: <https://doi.org/10.1080/09654313.2019.1604635>
- Edelmann, H., Quiñones-Ruiz, X.F., Penker, M. (2020): Analytic framework to determine proximity in relationship coffee models. *Sociologia Ruralis* 60(2), 458–481. DOI: <https://doi.org/10.1111/soru.12278>
- Edelmann, H., Quiñones-Ruiz, X.F., Penker, M., Scaramuzzi, S., Broscha, K., Jeanneaux, P., Belletti, G., Marescotti, A. (2020): Social learning in food quality governance – Evidences from Geographical Indications amendments. *International Journal of the Commons* 14(1), 108–122. DOI: <https://doi.org/10.5334/ijc.968>
- Fraisl, D., Campbell, J., See, L., Wehn, U., Wardlaw, J., Gold, M., Moorthy, I., Arias, R., Piera, J., Oliver, J.L., Masó, J., Penker, M., Fritz, S. (2020): Mapping citizen science contributions to the UN sustainable development goals. *Sustainability Science* 15(6), 1735–1751. DOI: <https://doi.org/10.1007/s11625-020-00833-7>
- Göttl, I., Penker, M. (2020): Institutions for collective gardening: A comparative analysis of 51 urban community gardens in Anglophone and German-speaking countries. *International Journal of the Commons* 14(1), 30–43. DOI: <https://doi.org/10.5334/ijc.961>
- Gugerell, C., Penker, M. (2020): Change agents' perspectives on spatial-relational proximities and urban food niches. *Sustainability* (Switzerland) 12(6), art. no. 2333. DOI: <https://doi.org/10.3390/su12062333>
- Kateliava, M., Muhar, A., Penker, M. (2020): Nature-related knowledge as intangible cultural heritage: safeguarding and tourism utilisation in Austria. *Journal of Tourism and Cultural Change* 18(6), 673–689. DOI: <https://doi.org/10.1080/14766825.2019.1693581>
- Khartishvili, L., Mitrofanenko, T., Muhar, A., Penker, M. (2020): Issues with applying the concept of community-based tourism in the Caucasus. *Mountain Research and Development* 40(1), R11–R20. DOI: <https://doi.org/10.1659/MRD-JOURNAL-D-19-00071.1>
- Kovács, B., Uchiyama, Y., Miyake, Y., Penker, M., Kohsaka, R. (2020): An explorative analysis of landscape value perceptions of naturally dead and cut wood: a case study of visitors to Kaisho Forest, Aichi, Japan. *Journal of Forest Research* 25(5), 291–298. DOI: <https://doi.org/10.1080/13416979.2020.1773619>
- Marescotti, A., Quiñones-Ruiz, X.F., Edelmann, H., Belletti, G., Broscha, K., Altenbuchner, C., Penker, M., Scaramuzzi, S. (2020): Are protected geographical indications evolving due to environmentally related justifications? An analysis of amendments in the fruit and vegetable sector in the European union. *Sustainability* (Switzerland) 12(9), 3571, DOI: <https://doi.org/10.3390/SU12093571>
- Gugerell, K., Penker, M., Kieninger, P. (2019): What are participants of cow sharing arrangements actually sharing? A property rights analysis on cow sharing arrangements in the European Alps. *Land Use Policy* 87, art. no. 104039. DOI: <https://doi.org/10.1016/j.landusepol.2019.104039>
- Leonhardt, H., Penker, M., Salhofer, K. (2019): Do farmers care about rented land? A multi-method study on land tenure and soil conservation. *Land Use Policy* 82, 228–239. <https://doi.org/10.1016/j.landusepol.2018.12.006>
- Grüneis, H., Penker, M., Höferl, K.-M., Schermer, M., Scherhauser, P. (2018): Why do we not pick the low-hanging fruit? Governing adaptation to climate change and resilience in Tyrolean mountain agriculture. *Land Use Policy* 79, 386–396. DOI: <https://doi.org/10.1016/j.landusepol.2018.08.025>
- Kieninger, P.R., Gugerell, K., Biba, V., Auberger, I., Winter, S., Penker, M. (2018): Motivation crowding and participation in agri-environmental schemes – the case of the Austrian ÖPUL-programme in vineyards. *European Countryside* 10(3), 355–376. <https://doi.org/10.2478/euco-2018-0021>
- Mauerhofer, V., Ichinose, T., Blackwell, B.D., Willig, M.R., Flint, C.G., Krause, M.S., Penker, M. (2018): Underuse of social-ecological systems: A research agenda for addressing challenges to biocultural diversity. *Land Use Policy* 72, 57–64, DOI: <https://doi.org/10.1016/j.landusepol.2017.12.003>
- Mitrofanenko, T., Snajdr, J., Muhar, A., Penker, M., Schuppenlehner-Kloyber, E. (2018): Biosphere reserve for all: Potentials for involving underrepresented age groups in the development of a biosphere reserve through intergenerational practice. *Environmental Management* 62(3), 429–445. DOI: <https://doi.org/10.1007/s00267-018-1059-9>
- Muhar, A., Penker, M. (2018): Frameworks for transdisciplinary research: Framework #5. *GALA* 27(3), 272. <https://doi.org/10.14512/gaia.27.3.3>
- Plieninger, T., Kohsaka, R., Bieling, C., Hashimoto, S., Kamiyama, C., Kizos, T., Penker, M., Kieninger, P., Shaw, B.J., Sioen, G.B., Yoshida, Y., Saito, O. (2018): Fostering biocultural diversity in landscapes through place-based

- food networks: a “solution scan” of European and Japanese models. *Sustainability Science* 13(1), 219–233. DOI: <https://doi.org/10.1007/s11625-017-0455-z>
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2.9 Presentations at scientific conferences

Presentations including proceedings; *presenters in italics*

- Penker, M* (2024): Panel discussion on Funding Transdisciplinary. REvaluation Conference. With *Helen Buckley Woods, Christian Pohl, Petra Biberhofer*. Vienna, 5 Dec 2024
- Keryan, T; Schauppenlehner-Kloyber, E; Penker, M; Radinger-Peer, V* (2024): Empowering Inter and -transdisciplinary competence of bachelor students through teaching and learning by doing. International Transdisciplinary Conference 2024
- Penker, M.* (2024): Mehr als nur eine Ware: Die Vielfalt der Rahmungen von Essen und ihre politischen Implikationen. Presentation for the meeting of the Agro-Food-Studies Book Series, Salzburg 27 and 28 May 2024.
- Penker, M.* (2024): Emerging Policies and Contradictions in the EU: a fair, healthy and environmentally-friendly food system by 2030? COI-NEXT - Geographic Environmental Certification & Branding, 2 Dec 2024 online and Tokyo.
- Penker, M.* (2024): Knowledge Production in Times of Crises – Transdisciplinary Research approaches for socio-ecological transformations. Key-note Lecture Series on Social Ecological Transformation – Lecture, October 30 2024, Bolzano
- Penker, M., Braitto, M., Böck, K., Flint, C.* (2024): Human-Nature Relationship Scale and Linkages to Environmental Behaviour. Presentation at the session co-organised by Arjen Buijs and M. Penker: Practicing plural concepts of nature and the Nature Futures Framework – Taking stock and looking forward. European IASNR Hub meeting, Wageningen, March 20-22 2024.
- Penker, M., Schauppenlehner-Kloyber, E., Braitto, M.* (Hrsg.) (2024): Hochschullehre, Kooperationen & Wissenschaft ländlicher Regionen, Vorstellung der Festschrift für Hans Karl Wyrzens mit fachlichen und persönlichen Beiträgen von Wegbegleiterinnen. 6 Juni 2024, Universität für Bodenkultur Wien.
- Penker, M.* (2024): Knowledge Production in Times of Crises: Transdisciplinary Research in Austria - Research approaches for uncertain times. KLI-Colloquia. Klosterneuburg: Konrad Lorenz Institut, Jan. 11 2024.
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- Penker, M.* (2024): UNESCO Man and the Biosphere Programm und Nationalkomitee. Science Link meeting 11 Jan 2024 online.
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- Penker, M.* (2024): Understanding and accompanying rural transformations: Research approaches for uncertain times. Key-note ÖGA-Conference 2023, Vienna, 28-29 Sept 2023.
- Mitrofanenko, A., Penker, M.* (2023): Biosphere reserves as models for science-society interaction to spur sustainability transformations in mountainous areas and beyond. Presentation at the International Meeting of the World Network of Mountain Biosphere Reserves. 20 Sept 2023, online and Chengu.
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- Schneider, M.; Frangenheim, A.; Fischer, C.; Penker, M.; Waiblinger, S.; Hörtenhuber, S (2023): Drivers of Change in the Austrian Beef and Dairy from Farm to Fork: A system analysis. 33. Jahrestagung der Österreichischen Gesellschaft für Agrarökonomie 2023*
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- Penker, M. (2022): Einführung: Transformative Forschung. Vortrag im Rahmen des 4. ACRP Dialogs, 21. Oktober 2022 in Wien, Österreich.*
- Penker, M. (2022): Essen als Ware, Menschenrecht oder Gemeingut: Wie konzeptionelle Rahmungen die Politikentwicklung prägen. Vortrag beim ersten gemeinsamen Workshop der Sektion für Ländliche Sozialforschung der ÖGS und der Sektion Land-, Agrar- und Ernährungssoziologie der DGS: „Neue Perspektiven auf Ernährungssysteme von Produktion bis Konsum und Food Waste“, 7-8 Oktober 2022 in Innsbruck, Österreich.*
- Penker, M. (2022): Experience of science advice for policy by Europea Academia platform. “The Ostrom Workshop meets Europe”, Indiana University Europe Gateway, 30 September 2022 in Berlin, Germany.*
- Penker, M. (2022): Transdisziplinarität – vom Wissen zum Handeln. Impulsinput und Podiumsdiskussion im Rahmen der TD Summer School des UniNetzes und der Universität für angewandte Kunst. Österreichischen Akademie der Wissenschaften, 6. September 2022 in Wien, Österreich.*
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- Toth, K., Gugerell, K., Penker, M., Radinger-Peer, V. (2021): Serious Games for learning in sustainability transitions: Experiences from a transdisciplinary serious game development. International Transdisciplinarity Conference, 13-17 September 2021, online.*

- Bobunowsky, L., Radinger-Peer, V., Penker, M. (2021): Addressing Change Agents' Tensions in Universities' Sustainability Processes. 43rd Annual EAIR Forum in Berlin, Germany, 8-11 September 2021 in Berlin, Germany (online).*
- Gugerell, K., Penker, M. (2021): Unpacking Adaptive Capacity in a Polycentricly Governed World Heritage Cultural Landscape. Earth Systems Governance Earth System Governance in Turbulent Times, Prospects for Political and Behavioural Responses, 7-9 September 2021 in Bratislava, Slovakia.*
- Radinger-Peer, V., Gugerell, K., Fischer, C., Schuppenlehner-Kloyber, E., Penker, M. (2021): Spurring (sustainable) regional development via new regional networks. ERS Conference, 24-28 August 2021, online.*
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- Penker, M. (2017): „Gesellschaftliche Diskurse um Landwirtschaft und Ernährung – Perspektiven der Soziologie“, moderierte Podiumsdiskussion mit Eva Barlösius, Jochen Dettmer, Frieden Thomas im Rahmen der Tagung „Stadt-Land Bündnisse für ein nachhaltiges Ernährungssystem“, Tagung der Sektion Land-, Agrar- und Ernährungssoziologie der Deutschen Gesellschaft für Soziologie. 24. und 25. November 2017 an der Leibniz Universität Hannover, Deutschland.
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- Braitto, M., Penker, M. (2016): Individual and Collective Adoption of Photovoltaics in Italy and Austria: A comparison of Motivations, Values and Concepts of Human-Nature Relationships. European Conference of the International Association of the Commons: Commons in a “Glocal” World: Global Connections and Local Responses, 10-13 May 2016 in Bern, Switzerland.
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- Muhar, A., Penker, M., Flint, C., Tucker, C. (2015): Human-nature relationship concepts in the governance of socio-ecological systems in mountain areas. Mountains of our future Earth, Oct 5-8, 2015, Perth, Scotland.
- Tegegne, A.D., Penker, M., Wurzinger, M. (2015): Participatory scenario planning addressing uncertainty in demographic change: North-West Ethiopia, Tropentag 2015, Sept. 16-18 in Berlin, Germany.
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- Naiga, R., Penker, M., Hogl, K. (2015): Women’s crucial role in demand-driven water governance in rural Uganda, ISSRM, June 13-18, Charleston, South Carolina, US.

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- Thiel*, A., Penker, M., (2015): Social Ecological Systems Governance Theory & Frameworks, Workshop. Human Nature Relationships & Governance of Socio-Ecological Systems in Mountain Areas, May 4-8, 2015, Lungau, Austria.
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- Quiñones-Ruiz*, X.F., Penker, M., Vogl, C. R., Samper-Gartner, L.F. (2014): How could the Colombian coffee organisation access Geographical Indications in the European Union? Collective efforts from federated growers. In: Widmark, C. (ed.), Books of Abstract – IASC 3rd European Meeting 2014, September 16-19, Umea, Sweden,
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- Penker*, M. (2014): The embeddedness concept – mapping the ecological embeddedness of food supply chains, Special Session 5: Key Concepts of Agro-Food Studies, STS Conference: Critical Issues in Science and Technology Studies, 5-6 May, Graz, Austria.
- Penker*, M. (2014): Systems knowledge and beyond – contributions of research to sustainable development. Invited Theme Speech at the EMCSR 2014: Civilisation at the Crossroads – Response and Responsibility of the Systems Sciences, April 22-25 Vienna, Austria.
- Quiñones-Ruiz*, X.F., Barzini E., Belletti G., Marescotti A., Penker M., Scaramuzzi, S. (2014): Comparing registration efforts for Protected Geographical Indications in Austria, Colombia and Italy. International Farming Systems Association (IFSA) 2014, April, 1-4, Berlin, Germany.
- Braitto*, M., Penker, M., Flint, C.G., Muhar, A. (2013): Concepts of Human-Nature Relationships and biospheric values: a gateway to a better understanding of environmentally friendly behaviour? Conference: The Intersection of Society and Nature in Sustainability Research, Oct. 1-3, Uppsala, Sweden.
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3. Ongoing and future research

I have about 20 years of net post-doc experience (considering maternity/parental leave and part-time employment) in studying rural and urban societal change from a socio-ecological systems and socio-institutional perspective, i.e. the changing rights, duties, norms, mental models, interests and values shaping human-to-human, but also human-to-nature relationships. In the face of multiple crises (e.g., climate and biodiversity crises, social polarization, wars, mistrust in academia and public authorities), today's societies face unclear, heterogeneous, changing and conflicting goals for future development. The urgency of these crises, demand for evidence-based decision support in situations of unknowns, contradicting knowledge and conflicting interests. Therefore, my focus is both on analytical transformation research and transformative and transdisciplinary approaches, which focus on context-specific problems, seek cooperation with society, and utilize informal and experimental approaches for envisioning alternative futures and operationalising multiple transition paths broadening societies' scope for action. My research contributes to [three types](#) of knowledge (Fig. 1):

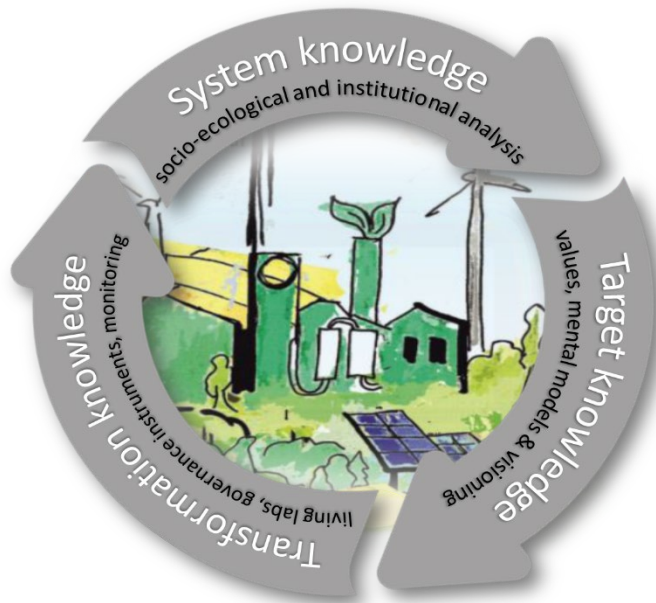


Fig. 1: Transformation and transformative research

- **System knowledge** about the genesis, development and interpretation of societal problems (e.g., socio-ecological analysis, long-term socio-institutional analysis, framing analysis)
- **Target knowledge** about the values and norms for a better future (visioning and forecasting, analysis of multi-level values, concepts of human-nature relationships, methods for assessing cultural eco-system services)
- **Transformation knowledge** about how agents, collective action and governments change the status quo in their desired direction (transition management, governance instruments, and the re-allocation of benefits, duties and liabilities of pro-environmental practices, bottom-up collective action and participation).

My methods range from qualitative (interviews, focus groups, case studies, dynamic social network analysis, framing analysis) and quantitative (surveys, regression, cluster and factor analysis, q-method, social network analysis) empirical social science to transdisciplinary methods of serious games, foresight and vulnerability analyses. Hoping to impact the way how people think about societal change, I aim for internationally outstanding research in two fields:

- 1) **socio-institutional and socio-ecological transformation research** to understand how social and socio-ecological systems change on the level of individual and collective action (agents of change), households (PV-investments, water use), firms (land use behaviour), organisations (alliance of sustainable universities, producer groups), commodity chains (EU protected geographical indications, coffee) and on the regional level (Club of Rome Region Carnuntum, sustainable urban food systems).
- 2) **theories and methods development for transdisciplinary knowledge integration and transformative research** (transdisciplinary scenarios, serious games or vulnerability analysis, living labs targeted at providing the cognitive, normative, and procedural foundations for transformative change).

In my **institutional and socio-ecological transformation research**, I want to understand how formal and informal rules, norms, mental models, and values condition everyday practices of food provision, renewable energy investments or recreation, and vice-versa, how agency results in re-designed rules in socio-ecological systems. Already in my habilitation, I analyzed this co-evolution of rules and socio-ecological systems from a complex systems perspective. At the UCL [Centre for the Socio-Economic Research of the Global Environment](#), I

familiarized myself with the concept of “ecosystem services”. As a result of an international workshop co-organized with Andreas Muhar, we published a multi-authored [PNAS publication that critically looked into the neglected cultural ecosystem services](#) (Scopus: > 1000, google scholar >1600 citations). In a subsequent [article](#), we highlighted the utilitarian perspective of the ecosystem service concept, which reduces ecosystems to the instrumental role of a “service provider” to humans and thus ignores other conceptions of [human-nature relationships](#). In several projects, I have analyzed the collective management of commons (e.g., biodiversity, infrastructure systems, landscape identity, cultural heritage). For understanding and supporting their co-management, I used and contributed to Ostrom’s socio-ecological systems framework (e.g., by incorporating [multi-level values](#), or scrutinizing [under-use problems](#)). The concept of property rights guided our research in the DFG Research Unit [Forland](#) on farmers’ land use behavior under different institutional settings or research on [cow-sharing arrangements](#). Examples of ongoing projects include:

- [COWLearning](#) – FWF: 1.01 million /BOKU €785,000, 2022-2027, coordinated by me, with Vet-Med/stakeholders: transdisciplinary analysis of the conditions, mechanisms and consequences of institutional changes in beef and milk commodity chains (including meat and dairy substitutes) and the associated changes in animal welfare, climate and socio-economic indicators for the period from 1950 to 2050 (analysis of drivers of change, multi-perspective farm-to-fork assessments of sustainability innovations, serious gaming).
- [ALPMEMA](#) – EU Biodiversa+: 1.45 million overall coordination by Mid Sweden University, BOKU part coordinated by Katharina Gugerell, with the University of Hohenheim, American University of Armenia, University of Copenhagen: analyses conservation and adaptation practices under different property rights regimes using a combination of qualitative social science, foresight approaches, GIS and remote sensing.

Beyond analysing transformative change, I also contribute to transdisciplinary **methods and theory development for transformative research**, such as the [GAIA Transdisciplinarity Framework](#) on when, why and how to integrate what type of stakeholder knowledge or [how to co-craft rules for transdisciplinary knowledge integration](#). Current research on transdisciplinary knowledge integration processes includes:

- [RLC 2040](#) – Research Agency of the Lower Austrian Government, € 1.1 million, 2019-22, BOKU part: € 445,000, coordinated by me, with TU Vienna, LEADER Region Carnuntum. This project experiments with transdisciplinary methods to support the empowerment, self-organization and regional transformation of the Club of Rome Region Römerland Carnuntum (30 municipalities between Vienna and Bratislava). We developed, for example, a [formative assessment method](#) to reflect on different perspectives of multi-disciplinary academics and non-academic stakeholders on transdisciplinary collaboration.
- PhD project by [Cornelia Fischer](#): Means of communication and their contribution to integrative transdisciplinary research. (main supervisor); Her first article (submitted) compares different communication tools regarding their support for transdisciplinary knowledge integration. She is trained in ‘easy reading’ for inclusive communication. In the RLC 2040 project in a period of Covid19, we also experimented with randomly selected citizens participating in a Future Council and Living-Labs and analysed the involvement of youth and ethnic minorities.
- [BIOSS](#) – OeAW: 499,000/INWE: €108,000, 2022-2025, partner; coordinated by Katharina Gugerell, with the participation of ETH Zurich, UNESCO and biosphere reserves: analyses whether and how different types of science-society interactions drive sustainability transitions in biosphere reserves worldwide; document analysis of Periodic Reviews, Q Study, Delphi and Foresight methods.

Societal transformations and deliberations about future development are contested spaces. The production and representations of futures are never neutral. They involve material interests, power dynamics, and heterogeneous mental models. This can result in exclusion and prioritization of certain needs, knowledge or perspectives, often favouring elites or ethnic majorities. Transformative science does not strive to conserve today’s socio-institutional patterns but provides arenas for debating feminist, intersectional or more-than-human perspectives, and is open to diverse conceptualisations of human-to-human and human-to-nature relationships. Including diverse perspectives is not only a democratic requirement, they can contribute to the development of transformative solutions, as evidenced by previous research on [women in water governance](#), [inter-generational practices](#), and [citizen participation](#).

Examples of ongoing and future research projects with a focus on intersectionality, gender and food democracy include:

- FOOD COALITIONS – FWF-WEAVE: 1.03 million, INWE part 288.000 €, 2024-2027 coordinated by University Basel, with TU Berlin. Comparing trans-local food networks, we want to analyse spaces for food democracy and relational proximity among geographically dispersed agri-food network actors. The research project combines different approaches (mapping, survey, comparative case studies) and transdisciplinary visioning with stakeholders (including ethnic minorities) in Germany, Switzerland and Austria.
- PhD project by [Barbara Öllerer](#): Organizations and identity: Navigating societal transformations and diversity in the Austrian forestry sector (co-supervisor; main supervisor: Karl Hög)
- PhD project by Anna Friedrich: Sustainable beef and dairy – the role of human-animal relations. (co-supervisor; main supervisor: Susanne Waiblinger, VetMedUni Vienna)
- PhD project by [Viktoria Blaschek](#): Human nature relationships and nature's contribution to people in Tokyo's and Vienna's gardens (Monbukagakusho PhD grant at Tokyo University 2023-2027 (Co-supervisor; main supervisor: Ryo Kohsaka, Tokyo University)
- PhD project by [Charlotte Voigt](#): Supporting women-led innovations in farming and rural territories (co-supervisor; main supervisor: Stefanie Lemke)

4. Teaching and mentoring

Teaching philosophy: I consider it a privilege to collaborate with committed, critical and intelligent young people and to accompany them in their learning processes. Teaching and learning theories give us ideas about how to make learning processes particularly effective. I consider a student-centred and problem-based learning approach as particularly appropriate for learning about societal and socio-ecological change. Problem-based learning combines real-life problems and opportunities with scientific theories and research findings. It allows interaction between students and teachers (sometimes with stakeholders as guests) and continuous feedback on the learning process. It promotes the development of a range of skills, such as teamwork, peer teaching and the ability to explain something to others, interpretation of data, reflection on individual learning processes, and inter- and transdisciplinary competences.

Teaching strategy: As a teacher I see myself as a facilitator who inspires students to adopt new perspectives on societal transformations through critical reflection on diverse development, transformation and transition theories. I want to support them in generating new knowledge, accessing a wide variety of information sources, evaluating them critically and integrating new knowledge into their existing knowledge. For me, university teaching is a social learning process that also involves me as a teacher. By continuously experimenting with new teaching formats, I try to improve the learning situation for the students and myself. I want to enable students to deal with wicked problems and tensions, such as those between society and nature, identity and international migration, conservation and transformation, global and local, or urban and rural. Societal transformations and deliberations about futures are contested spaces. They involve material interests, power dynamics, and heterogeneous mental models. This can result in exclusion and prioritization of certain needs, knowledge or perspectives, often favouring elites or ethnic majorities. Transformative science does not strive to conserve today's socio-institutional patterns but provides arenas for debating new conceptualisations of human-to-human and human-to-nature relationships (e.g., via feminist or more than human perspectives). Therefore, cultivating deliberative and social skills becomes crucial for a productive engagement with the heterogeneous perspectives on desired transformation paths advocated by different stakeholder groups. Graduates should be able to interact and negotiate on an equal footing with a range of stakeholders and experts from diverse disciplines. For me, university teaching in the context of socio-ecological systems should above all support students in reflecting on questions of “why”, which I consider just as important as those of “how” and “what”. Supporting students in this learning process is the central motivation of my work.

Teaching activities: I have teaching experience from three universities and diverse study programmes:

- *BOKU (since 2001)*: Climate Change and Societal Transformation (MA), Umwelt- und Bioressourcenmanagement (BA and MA), Agrar- und Ernährungswirtschaft (MA), International Master Programme Natural Resources Management and Ecological Engineering (MA), Double Degree Programme Renewable Resources (MA), Landschaftsplanung und Landschaftsarchitektur (MA), Water Management/Environment. Engineering (MA), Stoffliche und energetische Nutzung nachwachsender Rohstoffe (MA), Sustainability in Agriculture, Food Production and Food Technology in the Danube Region (MA) as well as the two doctoral study programmes of the BOKU: Doctorate in Social and Economics Sciences, Doctorate in Agricultural Sciences
- *University of Klagenfurt (2008-2010)*: MSc Programme Management of Protected Areas
- *Free University of Bozen/Bolzano (2002-2008)*: BA of Agricultural technology and economics

I have held the following courses at all levels from Bachelor, to Master and PhD Programmes

Course title	Years	University	Type
Inter- and transdisciplinary approaches and processes	2023/24	BOKU	VU
Rural Development (guests from LEADER regions, Stadt-Umland-Management, Biosphere Reserves)	Since 2019	BOKU	VO
Regionalplanung	2018/19	BOKU	VO/I
Sozio-kulturelle Aspekte der Regionalentwicklung (guests, such as Teresia Oedl Wieser on women in LEADER Local Action Groups)	2019-2021	BOKU	VO
Agro-Food Studies (guests, e.g. Sezionieri on migratory farm workers, MILA a cooperative supermarket, Viennese Food Policy Council)	Since 2018	BOKU	VO/B
Institutional Innovation and Sustainability Transition (guests: Perspektive Landwirtschaft, on inclusive access to farm land (extra-family farm succession), co-working spaces Otelo, fair trade programme, coffee roasters)	Since 2018	BOKU	VU/B/I

Course title	Years	University	Type
Bachelorseminar Umwelt- und Bioressourcenmanagement (e.g., Lokale Agenda 21, Volunteers' engagement in protected areas or landscape stewardship associations)	2014/15	BOKU	SE/I
Fachseminar Regionale Entwicklung (Gäste, e.g., Andreas Hacker – Stadt-Umland-Management, C. Diery Biosphärenpark-Management) (Specialisation Seminar Regional Development)	Since 2011	BOKU	SE/I
Einführung in das Umwelt- und Bioressourcenmanagement (Introduction to Management of Environment and Bio-Resources) (Guests: graduates sharing their professional work experiences)	Since 2011	BOKU	VO/I
Interdisziplinäre Ansätze und Methoden (Interdisciplinary Approaches and Methods)	Since 2020 2010-2019	BOKU	VU/I VO/B/I
Methods of Knowledge Integration in Inter- and Transdisciplinary Research	Since 2019	BOKU	SE/I
Principles and Challenges of Research in Socio-economics, Natural Resources and Life Sciences	2020 – 2022	BOKU	VS/I
Theory and Principles of Inter- and Transdisciplinary Research (sessions on theory of science, knowledge integration, power in transdisciplinary settings etc.)	Since 2020	BOKU	VO/I
Doctoral seminar T2S II (diverse guests from academia and society)	Since 2020	BOKU	SE/I
Regional- und Umweltökonomik (Regional and Environmental Economics)	2015	BOKU	VU
Sustainicum	2014/15	BOKU	VU/I
Regional Development and the Management of Protected Areas	2008-2010	Univ. Klagenfurt	VU
Regional Economics and Regional Governance (guests from LEADER, eco-plus, etc.)	2010-2018	BOKU	VO
Economic and Structural Development in Rural Areas (in collaboration with local communities, LEADER-regions, etc.)	2002-2008	Univ. Bolzano	VO + SE/I
dokNE Seminar Sustainable Development (diverse guests: e.g. Gabriele Bammer from Australian National University, Ulrike Felt – University Vienna, Ingo Mose, Oldenburg University)	2011-2014	BOKU	SE/I
dokNE Kollegseminar Zukunftsforum Nachhaltige Entwicklung	2007-2009	BOKU	SE/I
Interdisziplinäres Projekt Umwelt- und Biosressourcenmanagement (coordination and teaching with >10 other lecturers) (diverse projects in local communities, rural regions)	2008-2009	BOKU	IP
Entwicklungs- und Regionalmanagement (guests such as LEADER groups, Nature Parks)	2006-2018	BOKU	VO/B/I
Entwicklungs- und Regionalmanagement (projects with rural communities)	2006-2013	BOKU	SE/I
Regional Economics	2001-2009	BOKU	VO
Interdisziplinäre Projektstudie Lebensraum und Qualität (diverse transdisciplinary projects at the interface between nature conservation and rural development)	2005-2007	BOKU	IP
Interdisziplinäre Projekt-LVA: Ökonomik; Projekt: Ökologische Landwirtschaft und regionale Entwicklung	2004-2005	BOKU	IP
Interdisziplinäres Projekt Ökonomik/Regionalmarketing	2001-2002	BOKU	IP
Landwirtschaftliche Regionalplanung	2001-2004	BOKU	SE

(VO – lecture, SE – seminar, IP interdisciplinary project, VU lecture with lab, I interdisciplinary and/ or transdisciplinary co-teaching, B blended learning)

Introductory courses in Bachelor programmes: Coordinated by Dr. Schauppenlehner-Kloyber, our teaching team received the BOKU Teaching Award 2022 for “Introduction to Management of Environment and Bio-resources”, the first introductory course for several hundred first-year students. I coordinated the lecture “Interdisciplinary Methods and Approaches” as a blended learning course involving colleagues from RALI and DNAS departments from 2010 to 2018. We had hundreds of students in each course. The combination of e-learning and face-to-face teaching helped us to organize this large lecture and to experiment with digital tools even before the COVID-pandemic. Due to budget restrictions (no funding of sub-groups for lectures), we could offer additional voluntary

face-to-face methods application hours only to a group of 50 students. As a result of students' lobbying, the format was changed from a lecture to a combination of lecture and lab in 2019. We had to involve a dozen of colleagues who could provide group sessions to experiment with various participatory methods of knowledge integration. Dr. Schauppenlehner-Kloyber (senior lecturer) took over in 2019 and is doing a great job in coordinating this ambitious format.

Problem-oriented lectures and interactive seminars in diverse Master programmes: I support my lectures with case studies, role plays, group reviews and speed dating sessions to cater for students' short attention spans and increase their long-term learning success. Several lectures are organized in a blended learning mode, combining digitally supported self-study with intensive face-to-face interaction, as well as individual and group reflections. I accompany my seminars with peer interaction to better support students in writing and presenting their seminar papers or Master's theses. This oral or written feedback from student colleagues not only serves to improve the work, but also provides opportunities for meta-learning (quality criteria, different lines of argument, questioning results, conclusions, arguments or procedures of others, conventions of scientific work). I have co-published a textbook on Agro-Food Studies, which is much appreciated by students, as illustrated by a comment from the student survey (see appendix): "It was certainly one of the most formative lectures in my Bachelor's degree; I took Agro-Food Studies with Prof. Penker at the time, and I could really learn a lot from it since her book of the same name was the learning material. This book still fascinates me today."

Co-teaching in interdisciplinary PhD seminars: Due to my inter- and transdisciplinary research interests, I have always felt very much "at home" in cross-departmentally organized doctoral schools, such as the Doctoral School Sustainable Development (2007–2017), Doctoral School Transition to Sustainability (2018–) or the Doctoral School Social Ecology (2021–). Together with natural scientists and engineers, we developed two new co-teaching classes with a focus on inter- and transdisciplinary methods and theory. The students and (perhaps most of all) myself and other faculty members benefit from insights into different research paradigms, terminological and conceptual discussions, and the identification of theory-practice gaps or research needs.

PhD supervision: Besides supervising Bachelor's and [Master's theses](#), I have also (co-)supervised doctoral students at BOKU (*on-going dissertation projects are in italics*):

- Öllerer, B. *Organisations and identity: Navigating societal transformations and diversity in the Austrian forestry sector* (co-supervisor, Karl Högler)
- Voigt, C.: *Supporting Women-Led Innovations in Farming and rural Territories* (topic within this project to be finalized (co-supervision with Stefanie Lemke)
- Blaschek, V.: *Human nature relationships and nature's contribution to people in Tokyo's and Vienna's gardens* (Monbukagakusho PhD grant at Tokyo University 2023-2027 (Co-supervisor, Ryo Koksaka, Tokyo University))
- Mpofu, E.: *The role of learning and knowledge integration in adaptive governance of the Greater Limpopo Transfrontier Conservation Area (GLTFCA) in Southern Africa* (co-supervisor, Katharina Gugerell)
- Fischer, C.: *Means of communication and their contribution to integrative transdisciplinary research* (main supervisor)
- Friedrich, A. *Sustainable beef and dairy – the role of human-animal relations* (co-supervisor, Susanne Waiblinger, VetMedUni Vienna)
- Rail, L. *Alpine Grassland Commons* (co-supervisor, Wolfgang Kraus, University Vienna)
- Schneider, M.: *COWLEARNING for sustainable beef and Dairy* (co-supervisor, Susanne Waiblinger, VetMedUni Vienna)
- Brosette, F.: *Perspectives for common grassland: analysis and development of sustainable management options for mountain Commons – a case study from the Black Forest Biosphere reserve* (co-supervisor, Claudia Bieling, University Hohenheim)
- Rammler, S.M.: *Pathways towards a coherent implementation of SDG 15 in Austria* (co-supervisor, Georg Gratzner).
- Bobuovsky, L.: *Institutionalisation of Sustainability in Austrian Universities. Structural Integration, Pathways, and Tensions* (main supervisor)
- Tunst-Kamleitner, U.: *Integrationsverläufe von internationalen Zuwanderinnen in ländliche Regionen Österreichs* (co-supervisor, Stefan Vogel) 2023
- Edelmann, H.: *Social proximity in the coffee sector: comparative analysis of conventional and relational coffee value chains* (main supervisor) (2023)
- Becsi, B.: *Making Climate Change Tangible – Bridging the gap between scientific data and societal challenges related to climate change* (co-supervisor, Helga Kromp-Kolb) 2022
- López Cifuentes, M. (2022): *Urban food systems transformation toward sustainability – A food democracy perspective* (co-supervisor, Bernd Freyer) (2022)

- Katelieva, M.: Local nature-related knowledge as part of the intangible cultural heritage in Lower Austria: safeguarding vs. utilization in tourism and leisure (co-supervisor, Andreas Muhar) (2022)
- Fraisl, D.: The Contributions of Citizen Science to the UN Sustainable Development Goals: A Data Perspective (main supervisor) (2022)
- Sipple, D.: Eingebundenheit kommunaler Ernährungssysteme in Marktnetzwerke (Albert-Ludwigs-Universität Freiburg, co-supervisor) (2022)
- Živojinović, I.: Social innovations in forestry and innovations in non-wood forest products: the role of institutions and actors (co-supervisor, Karl Hogl) (2021)
- Gugerell, G.: Nurturing proximity for sustainable and democratic urban food systems? (main supervisor) (2021)
- Khartishvili, L. (2020): Community-Based Tourism – A Pathway to Sustainability for Mountain Development in the South Caucasus (co-supervisor, Andreas Muhar) 2020
- Leonhard, H.: Why do they farm the(ir) land the way they do? Essays on the determinants of Austrian crop farmers' soil management (co-supervisor, Klaus Salhofer) (2020)
- Walder, P.: Values, Attitudes and Behaviour – A mixed-methods walk from environment to innovation towards sustainability (co-supervisor, Jochen Kantelhardt) (2020)
- Grüneis, H.: Eine transdisziplinäre Perspektive auf Klimawandelanpassung – Beteiligungsprozesse und Praktiken in der Tiroler Berglandwirtschaft. Mountain farming and hidden adaptations to climate change (main supervisor) (2018)
- Mitrofanenko, T.: Integrating approaches from the Intergenerational field into protected area management and regional development governance (co-supervisor, Andreas Muhar) (2018)
- Schuppenlehner-Kloyber, E.: Long-term collaboration and social learning for local development. Theoretical and methodological contributions from a transdisciplinary research process (main supervisor) (2017)
- Brait, M.: Concepts of human-nature relationships to better understand environmental behavior & its governance (main supervisor) (2017)
- Dax, T.: Mountain Development in Europe: Research Priorities and Trends (co-supervisor, Stefan Vogel) (2017)
- Tegegne, A.D.: Population change in rural Northwest Ethiopia: A transdisciplinary mixed methods approach (main supervisor) (2016)
- Kirchner, M.: Integrated Impact Modelling of Climate Change and Policy Scenarios on Agriculture, Land Use Change, and Environment in Austria (co-supervisor, Erwin Schmid) (2015)
- Scopetta, A.: Linking regional level partnership practice within the EU with theories of justice: The case of the Austrian territorial employment pacts (co-supervisor, Stefan Vogel) (2015)
- Mitter, H.: Integrated assessments of climate change impacts, adaptation, and vulnerability in Austrian crop production (co-supervisor, Erwin Schmid) (2015)
- Quiñones-Ruiz, X. F.: Institutional conditions for producers accessing Geographical Indications – Lessons learned from non-EU and EU countries (main supervisor) (2016)
- Naiga, R.: Collective Action for Long-Term Access to Safe Water in Rural Uganda (main supervisor) (2015)
- Oumany, K.: Community-Based Ecotourism in Laos: Benefits Sharing among Community Members (co-supervisor, Andreas Muhar) (2014)
- Peer, V.: Dezentrale tertiäre Ausbildungsstätten und ihr Einfluss auf das Abwanderungs- und Bleibeverhalten Hochqualifizierter in ländlichen Regionen Österreichs (co-supervisor, Gerlind Weber) (2013)
- Winter, S.: Impact of grassland management on *Colchicum autumnale* – integrative research in the interface of agriculture and nature conservation. (co-supervisor, Monika Kriechbaum) (2012)
- Kieninger, P.: Kulturlandschaftserhaltung durch urbanes Engagement in der traditionellen Landbewirtschaftung / Volunteering for the conservation of attractive traditional rural landscapes – the Japanese Tanada-Ownership System (main supervisor) (2012)
- Gugerell, K.: Das UNESCO Welterbe Kulturlandschaft Wachau in ihrem Spannungsfeld von Erhaltung und Dynamik. Zum Verhältnis von Landschaft, Farming Styles und politisch-rechtlicher Steuerung am Beispiel von Spitz an der Donau und dem Spitzer Graben (main supervisor) (2012)
- Schönhart, M.: Erstellung und Anwendung eines integrierten ökonomischen Landnutzungsmodells / Integrated Farm Land Use Modeling for Landscape Level Analysis (co-supervisor, Erwin Schmid) (2010)
- Mühlmann, P.: Zivilgesellschaftliches Engagement in der Landschaft / Civil society engagement in cultural landscape protection (co-supervisor, Andreas Muhar) (2009)

- Enengel, B.: Partizipative Landschaftssteuerung – Kosten-Nutzen-Risiken-Relationen aus Sicht der Beteiligten. / Participatory decision making in nature conservation and landscape development (main supervisor) (2009)

Teaching and curricula development: I am a member of the BOKU Senate's Study Commission, which has the strategic responsibility for the development of teaching at BOKU (such as the new Master Programme: "Climate Change and Societal Transformation"). The commission's tasks include, for example, issuing curricula and their amendments, developing guidelines for BOKU study programmes, initiating and supporting the development of new study programmes, and advising the Senate on study matters. I have been a member of the working group that finalised the curriculum for the new German-language continuing education programme "The UN Agenda 2030: Shaping Change Sustainably", which was co-developed by the Private University of Education, Diocese Linz and BOKU for the target group of teachers and municipal employees.

Benchmark (data provided by BOKU for personal evaluation 2022, see appendix): Between the academic years 2017/18 and 2020/21, two PhD students graduated under my supervision (this makes an average of 0.5 PhD theses per year; which is above the WiSo-department average of 0.26 and the BOKU average of 0.45) (in the academic year 2021/22 and in the winter semester 2022/23, Dr. Dilek Fraisl, Dr. Christina Gugerell and Dr. Hanna Edelmann graduated as well). I was their main supervisor. In the same period, 12 Master's theses were successfully defended (3 per year, which is also above the WiSo-department average of 2.9 and 2.7 at BOKU). In the academic years 2017/18 to 2020/21, my average number of teaching hours per week was around 10, and more than 1,000 students took their exams over the four years. The decrease in the annual number of exams and teaching hours in 2020 can be explained by my research stay in Japan. BOKU does not provide benchmarks for the number of teaching hours or the number of exams.

Evaluation (data provided by BOKU for personal evaluation 2022, see appendix): BOKU students can evaluate courses on a scale from 1 (= very good) to 5 (= insufficient). Due to my frequent co-teaching with colleagues, it is difficult to disentangle individual from collective feedback for most of my courses. Therefore, I was very pleased with the student survey that was made available to me as an individual teacher as part of my individual evaluation in 2022 (see appendix). Together with the very positive quantitative results, these statements provide a very reassuring feedback on my overall teaching strategy:

- "One of the absolutely best professors I've had in my entire time at BOKU."
- "Ms Penker's explanations 'opened my eyes' in many respects while also opening up completely new perspectives which I remember and will reflect on again and again throughout my entire life."
- "Teaching like straight of a (pedagogical or didactic) textbook"
- "She is also the first teacher I know who had the courage to use truly innovative digital tools [...] already in the winter semester before COVID-19"
- "It's fun to attend seminars with Prof. Penker. There are also very few professors at BOKU who (also) work in the social sciences, which makes Prof. Penker's teaching all the more valuable!"
- "Univ. Prof. Marianne Penker is among the most innovative and inspiring lecturers in my Master's programme."
- "Marianne Penker's lectures are recommended among students again and again."
- "Prof. Marianne Penker was the first person to give me access to science (after already several years of academic studies)."

Mentoring: Sensitive to gender mainstreaming and intersectionality, I have focused on supporting female and international early career researchers to acquire grants, build international networks or mentored them towards more senior positions. Katharina Gugerell's, Verena Radinger-Peer's and Xiomara Quinones-Ruiz' § 99[5] tenure track position and prestigious grants show that this is bearing fruit. Firnberg-grants of [Xiomara Quinones-Ruiz](#) and Verena Radinger-Peer: [HE-RO](#) (2017-2021); FWF-Zukunftskolleg: [Christina Plank](#) or ÖAW DOC grant by Hanna Edelmann; [Marta Lopez Cifuentes](#) (Schrödinger project 'Food Citizenship' at University of Surrey/BOKU); [Resty Naiga](#) (International Peace Research Grant, OEAD), [Atsede Desta Tegegne](#) (OEAD); Viktoria Blaschek (Monbukagakusho PhD at Tokyo University). Dr Fraisl's PhD paper published in [Sustainability Sciences](#) provides the first overview of citizen science initiatives supporting SDG monitoring. She transferred her PhD results as a member of the Board at the UN Sustainable Development Solutions Network, the Working Group of the Earth Observation for the SDGs initiative or as an observer at the Inter-Agency Expert Group on SDG Indicators established by the UN Statistical Commission. Dr. Schuppenlehner-Kloyber established a [continuous learning programme for school teachers on the UN Agenda 2030](#).

5. Interaction with society and scientific community services

Beyond my transdisciplinary research, I have interacted with several stakeholders at the science-society and science-policy interface. For example, I was part of the Austrian Climate Council and shared scientific insights at diverse events, on TV (ORF) and radio (Ö1) (see sections 5.1 and 5.2). I shared scientific findings with members of the European and Austrian parliaments and interacted with various stakeholders from the administration in Austria and beyond (section 5.3). I was the coordinating lead author of the food chapters in two APCC state-of-knowledge reports (Land Use, Climate Friendly Living) and co-organised a number of conferences (see section 5.4. on scientific community services) and participated in diverse trainings (section 5.5).

5.1 Science-society interface: presentations, blog and podcast contributions

- Penker, M (2024): EURAC Transdisciplinary research workshop – Trainer for EURAC researchers. 11 Dec 2024, Online
- Penker, M. (2024) Austrian Science Fund FWF – Kurzinput zu ConnectingMinds Projekt COWLEARNING beim Trainingsworkshop: Transdisziplinäre Forschung – Erfolgsmerkmale und Methoden für gesellschaftliche und wissenschaftliche Wirksamkeit. 12 Nov 2024, 19 Dez 2024
- Penker, M. (2024): Supporting a Balanced and Sustainable Diet. Invited Speaker at the European Forum Alpbach, 26 Aug 2024. Alpbach, Tirol: <https://www.alpbach.org/sessions/supporting-a-balanced-and-sustainable-diet>
- Penker, M. (2024): Kurzipuls als Mitglied des wissenschaftlichen Beirats des Klimarats. Österreichischer KlimaDialog meets Klimarat | Wien | 21.11.2024, Wien.
- Penker, M. (2024): Mehr als eine Ware? Framings von Lebensmitteln am Beispiel der Farm-to-Fork Strategie. Keynote beim Herbsttreffen der „Plattform landwirtschaftliche Sozio-Ökonomie“. Agrarbündnis. 16.-17. Okt. 2024, Kassel.
- Penker, M. (2024): Agrar-Ernährungswende: Regional, global – ganz egal? Diskussionsveranstaltung der Rotarier, 4 Jan 2024 St. Veit, Kärnten.
- Penker, M. (2024): Kurzinput zu Kostenneutralität. 6. ETÖ Biorat 24 Okt 2024, Bad Blumau.
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5.2 Media contributions, podium discussions and interviews

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APA Podcast: Die Transformation auf dem Teller. Boku-Forscherin Marianne Penker über die Agrar- und Ernährungssysteme der Zukunft. „Nerds mit Auftrag“-Folge36 auf APA-Science, <https://nerds-mit-auftrag.podigee.io/36-penker>(2024)

- Featuring Future** – Kalkül & Courage. Wer sitzt mit am Tisch?. Panel-Diskussion mit Auma Obama, Stefanie Lemke, Karlheinz Erb, Charlotte Kotusch. Wien, 22. Mai 2024, <https://boku.ac.at/oefentlichkeitsarbeit/featuring-future-conference#c606334>
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- Ö1 Wissen Aktuell** zu Klimarat und ländlichen Bevölkerung – Beteiligungsformate, 6. April 2023, Interview für Radiobeitrag
- Diskurs – Das Wissenschaftsnetz**: EU-Mercosur: Wissenschaftler*innen kritisieren Abkommen als ökologisch und sozial nicht nachhaltig, 23. Mai 2023, mit Uli Brand, Helmut Haberl, Franz Essl.
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- APA** Beitrag zum COWLEARNING Projekt: Wissenschaft, Praxis und NGOs erforschen bei „COWLEARNING für nachhaltige Rindfleisch- und Milchversorgung“ gemeinsame konkrete „Antworten mit Verantwortung“, 20.10.2021, <http://science.apa.at/power-search/15053167595197252356>
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Kooperation Wissenschaft und Kunst: **Künstlerische Interventionen in der Kulturlandschaft**. ‘Aktion Fast Food – Slow Food: die Brotkugel ...’; Designteam (Mückstein, Rahm, Winkler und Bilger) und ARGE Fast Food – Slow Food. 13.–20. Oktober 2001, Wiener Naschmarkt, Wien, Österreich.

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5.3 Science-policy/administration interface

Kurzinput und Pressekonferenz: **Wissenschaftlicher Beirat Vision 2028+**, Minister Totschnig präsentiert Vision 2028+ - Zukunftsbild für Österreichs Landwirtschaft und den Ländlichen Raum. 28. Mai 2024. Orangerie Schönbrunn.

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Delegation des Nationalkomitees Man & Biosphere trifft Biosphärenparkmanagement, Bürgermeister:innen, Illwerke/VKW, Grundeigentümer:innen, Vertreter:innen von Bürgerinitiativen und Naturschutzverbänden zum Kraftwerksprojekt obere Lutz im Biosphärenpark Walsertal. 11.-12. April 2023.

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Rural Areas can provide more... Contribution to sustainable solutions. **Podium discussion**, with Wilhelm Molterer, Elisa Ferreira, Janusz Wojciechowski, Martin Fritsch, Andrzej Walęga, Dacian Cioloș, Lukas Mandl, Christoph Metzker. Organised by the **Ecosocial Forum Poland, Ecosocial Forum Austria/Europe and European Parliament**. 14. Juni 2022. Haus der Europäischen Union, Vienna, Austria, <https://oekosozial.at/en/rural-areas-can-provide-more/>

Podiumsdiskussion bei der Veranstaltung „**150 Jahre Rettung des Wienerwaldes durch Josef Schöffel**“, mit Andreas Weiß (BPWW), LH-Stv. Stephan Pernkopf, STR Jürgen Czernohorszky, Dieter Halama (Kulturhistoriker), Franz Viehböck (Berndorf AG), Gerhard Heilingbrunner (Präsident Kuratorium Wald), LH-Stv. Stephan Pernkopf, STR Jürgen Czernohorszky, 16. November 2022, Burg Perchtoldsdorf, Österreich, <https://www.bpww.at/de/artikel/150-jahre-rettung-des-wienerwaldes>

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Interview zur Auflage eines **Bundesprogramms Regionale Wertschöpfung in Deutschland**, Ecozept and Bundesverband die Regionalbewegung Deutschland, 21. April 2022.

Deutsches Institut für Normung (DIN): Interview zum EDGE Report Autonomous Field reports and unsettled societal issues: SAE/ DIN EDGE Report Unsettled Issues Regarding Autonomous Field Robotics, 28 February 2022 <https://www.sae.org/publications/technical-papers/content/epr2022023/>

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Penker, M. (2021): Regional, global – ganz egal? Vortrag beim **Buchstellentag und Podiumsdiskussion auf Einladung des Landwirtschaftsministers von Luxemburg**, 29. November 2021 in Luxemburg.

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- Penker, M. (2021): Zukunftsperspektive für Mensch, Tier und Natur – Fokus auf das Lebendige. Impuls beim **GLOBAL 2000 GAP-Hearing**, 6. Oktober 2021.
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- SAPEA (**Science Advice for Policy by European Academies**), via European Scientific Advice Mechanism (SAM); independent and transparent Scientific Opinion for the European Commission on the topic “Towards a Sustainable Food System in the EU”, <https://sapea.info/topic/food/>
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- Green Deal und GAP. Podiumsdiskussion mit den Agrarsprechern des **österreichischen Parlaments**: Georg Strasser (ÖVP), Julia Herr (SPÖ), Peter Schmiedlechner (FPÖ), Clemens Stammeler (Grüne), Karin Doppelbauer (NEOS), Politik am Ring – Moderator Gerald Groß. 22. September 2021 in der Hofburg, Wien, Österreich. https://www.parlament.gv.at/POLITIKAMRING/ARCHIV/09_20210920.shtml
- Ökosoziales Forum Österreich & Europa (Hrsg., unter Mitarbeit von Badelt, C., Faßmann, H., Fuhrmann, B., Kantelhardt, J., Köppl, A., Littig, B., Luks, F., Nakicenovic, N., Penker, M., Spiel, C., Staudinger, M. (2019): Wegweiser für die Generation Klimawandel. **Grundsatzpapier** – 30 Jahre Ökosoziale Marktwirtschaft. Ökosoziales Forum Österreich & Europa, 36; Druckerei Janetschek GmbH, Wien, Österreich. <https://oekosozial.at/unsere-themen/oekosoziale-marktwirtschaft/wegweiser-fur-die-generation-klimawandel/>
- Penker, M. (2019): Socio-ecological transformation in food. **FAO WORLD FOOD DAY LECTURE** hosted by the Food and Agriculture Organization of the UN and the Hungarian Ministry of Agriculture, 8 October 2019 in Budapest, Hungary.
- Workshop zur Weiterentwicklung des **österreichischen Herkunftssystems** mit Vertretern von AMA, Landwirtschaftskammer Österreich, Bundesministerium für Nachhaltigkeit und Tourismus, Serviceverein. 18. Juli 2018, Agrarmarkt Austria, Wien, Österreich.
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- Penker, M. (2015): Globale Herausforderungen und Chancen für periphere Regionen im Alpenraum. Key-note invited by CIPRA, **CIPRA Jahresfachtagung** 2015: Die Alpenkonvention und die Region der Niederösterreichischen Randalpen – Möglichkeiten der nachhaltigen Regionalentwicklung. 29.–30. September 2015, Lunz am See, Niederösterreich, Österreich.
- Penker, M. (2012): SWOT-Analyse: methodische Grundlagen. Vortrag beim Methodenworkshop **SWOT-Analyse: Programm für die ländliche Entwicklung 2014-2020**. BMLFUW, 22. März 2012, Wien, Österreich.
- Regionen und Netzwerke. Kick-off: Neuer **Lehrplan Höhere land- und forstwirtschaftliche Schulen**, 12.–13. Jänner 2012, Vienna, Austria.
- Penker, M. (2011): Regionale Partnerschaften für eine nachhaltige Nutzung von Umwelt und Natur. Vortrag am **Niederösterreichischen Kleinregionentag** 2011, 17. Oktober 2011, Greillenstein/NÖ, Österreich.

- Penker, M. (2010): Raumszenarien 2030 in Österreich. Abendvortrag auf der Tagung: Landschaften in Deutschland 2030 – Der stille Wandel, 29. November – 2. Dezember 2010, **Bundesamt für Naturschutz** – Internationale Naturschutzakademie Insel Vilm, Deutschland.
- Penker, M. (2009): Bedeutung der Ressource Landschaft für den ländlichen Raum, **Plattform Ländlicher Raum in Niederösterreich**, 11. März 2009, Vortrag auf Einladung der Landwirtschaftskammer Niederösterreich, Amt der NÖ Landesregierung, St. Pölten, Österreich.
- Penker, M. (2006): Controlling als Instrument für eine effizientere Mittelvergabe bei Naturschutzprogrammen. Workshopreihe ‚Naturschutzökonomie‘ des **Bundesamtes für Naturschutz** – Internationale Naturschutzakademie Insel Vilm; II: ‚Ökonomische Effizienz im Naturschutz‘, 10.–13. Oktober 2006, Insel Vilm, Deutschland.
- Penker, M. (2003): **GAP**: Finanzierbarkeit und Perspektiven für den ländlichen Raum. Jännergespräche im Schloss Pichl: Der Kampf ums große Geld: Auswirkungen der Agrarreform und der Osterweiterung auf die österreichische Land- und Forstwirtschaft, 21. Jänner 2003, Schloss Pichl, Mitterdorf im Müürztal, Österreich.
- Penker, M. (2002): Naturschutz ja! Und was sagt der Markt? Vortrag auf Einladung der **Oberösterreichischen Akademie für Umwelt und Natur**, Ökologieggespräche im Oberen Mühlviertel ‘Viel Natur, wenig Mensch – viel Mensch, wenig Natur?’, 3. Dezember 2002 in Lembach im Mühlkreis, Österreich.

5.4 Scientific community services

Year	Scientific community service
2025	Co-Organizer: AG-SÖT Workshop zu Research Assessments „Zwischen Selbstbeschäftigung und Chance für sozial-ökologische Transformation“, 20.3. 2025, mit FWF, Uni Graz. CCCA Arbeitsgruppe Sozialökologische Transformation, Wien.
2024	Member Forum Nantesbuch-Living Soils – Stiftung Kunst und Natur Nantesbuch GmbH: Panel Ethik, Recht, Soziologie
2024	Scientific Advisory Board - TransformDairyNet
2024	Scientific Advisory Board – LTER AT
2024	Member, AG Bewertung von Qualitäten transdisziplinärer Forschung. GTPF
2024	Member, AG Transdisziplinäre Didaktik. GTPF.
2024	Scientific Advisory Board: EURAC Centre for Climate Change and Social Transformations
2024	Co-Organizer: AG-SÖT Workshop zu transformativen Forschungsprojekten/-programmen, 19.3. 2024, mit FWF, ACRP, ÖAW, CCCA-Arbeitsgruppe Sozialökologische Transformation, Wien.
2024	Co-Organizer: AG-SÖT Workshop zu transformativer Lehre – Strukturen, Kompetenzen und Herausforderungen, 10. 6. 2024. CCCA-Arbeitsgruppe Sozialökologische Transformation. Wien
2023	Member of the Research Evaluation Committee of the Institute for Science in Society, Radboud University
2023	Co-organizer of the 1 st Conference of the European Chapter of the International Association for Society and Natural Resources , 8–10 March 2023, Institute for Ecology at the Technische Universität Berlin. https://www.iasnr.org
2023	Co-Organizer: AG-SÖT Workshop zu Theoriemodellen von sozial-ökologischer Transformation, 6.6. 2023, guest Karl-Werner Brand, CCCA-Arbeitsgruppe Sozialökologische Transformation, Wien.
2023	Co-Organizer: AG-SÖT Workshop zu sozial-ökologischen Bewertungskriterien für Forschung, 28.4. 2023, guest Thomas Jahn from ISOE Frankfurt. CCCA-Arbeitsgruppe Sozialökologische Transformation. Wien
2021–2022	Co-organiser of the EURO-MAB 2022 Conference , https://www.euromab2021.at/
2021–2022	Member of Scientific Board of the Austrian Climate Council , https://klimarat.org/
2021	Member of Evaluation Board of the Wageningen School of Social Sciences, Wageningen University
Since 2021	Scientific Advisory Board member of the AREPO Scientific Council (Association of European Regions for Products of Origin), https://www.arepoquality.eu/
2021	Co-organiser of the IASC (International Association for the Study of the Commons) Virtual Conference on Food Commons in Europe and Beyond, https://2021food.iasc-commons.org/
2021	Member of the Doctoral School Social Ecology (DSSE)
2019–2022	Coordinating Lead Author APCC Special Report Strukturen für ein klimafreundliches Leben , https://ccca.ac.at/wissenstransfer/apcc/special-reports/sr22
2019–2023	Coordinating Lead Author APCC Special Landnutzung, Landmanagement und Klimawandel , https://ccca.ac.at/wissenstransfer/apcc/special-reports/sr21

Year	Scientific community service
2019–2020	Member of SAPEA (Science Advice for Policy by European Academies), via European Scientific Advice Mechanism (SAM); independent and transparent Scientific Opinion for the European Commission on the topic “Towards a Sustainable Food System in the EU”, https://sapea.info/topic/food/
2019	Adapting Mountain agrofood systems to climate change, co-facilitating a series of three sessions at the International Mountains Conference in Innsbruck, 8–12 September 2019
Since 2019	Advisor Board Member of Center for Global Change and Sustainability
2019–2022	Member of the Scientific Board “ GAIA – Ecological Perspectives for Science and Society ; Ökologische Perspektiven für Wissenschaft und Gesellschaft”, https://gaia.oekom.de/index.php/gaia/scientific-advisory-board
2019–2024	Member and chair of the editorial board of the IASNR (International Association of Society and Natural Resources) book series, https://www4.iasnr.org/snr-book-series-early-2021-keeping-in-touch/
2019	Expert for AQ Austria (Agentur für Qualitätssicherung und Akkreditierung Austria); Accreditation of “ Central European University – Private University ” (CEU PU) as Austrian private university at Vienna
Since 2018	Member of the BOKU Doctoral School Transition to Sustainability (T2S)
Since 2018	Member scientific board “Jahrbuch für Geschichte des ländlichen Raumes ”, https://www.ruralhistory.at/de/publikationen/jglr
Since 2017 (2022)	Member (and co-chair) of the working group „Socio-ecological Transformation” at the Climate Change Centre Austria, https://ccca.ac.at/netzwerkaktivitaeten/ccca-arbeitsgruppen/ag-sozial-oekologische-transformation
2015–2020	Member of the Board of the Austrian Institute for Sustainable Development (ÖIN), http://oin.at/
Since 2014	Advisor Board Member of BOKU Prices and Grants (since 2019 deputy chair)
Since 2014	Steering Committee Member of the BOKU Sustainability Strategy
2013–18	Member of the Board of the Bertalanffy Center for the Study of Systems Science (BCSSS), http://www.bcsss.org/
Since 2012	Deputy Chair of the National Committee of the UNESCO Programme Man and Biosphere , Austrian Academy of Sciences (since 2012 member, since 2015 Deputy Chair), http://www.biosphaerenparks.at/index.php/de/nationalkomitee
2009	Member of the Scientific Steering Committee and the Organisation Team of the First International Conference on Landscape Economics , Vienna, 2–4 July 2009
2011–2013	Member of Scientific Advisory Board, new study programme Rural Studies at Krems University
2010–2017	Member of the Study Commission “Umwelt- und Bioressourcenmanagement” (Bachelor and Master study programme “Environment and Bio-Resources Management” at BOKU)
Since 2008	Member of diverse appointment, habilitation and evaluation committees (e.g., at Austrian, German, Dutch, Swedish universities)
2009	Participant at two workshops for the formulation of the BOKU-Development Plan
2008	Member of the Organisation and Programme Committee of the 18 th ÖGA-Jahrestagung „Neue Impulse in der Agrar- und Ernährungswirtschaft!“, in September 2008, Vienna, Austria
2007–2016	Supervising member of the Doctoral School of Sustainable Development (Doktoratskolleg Nachhaltige Entwicklung, dokNE) (since 2011 deputy head of the School)

Year	Scientific community service
2007	Guest editor of the International Journal of Agricultural Resources, Governance and Ecology – IJARGE
2006–2011	Member of the Scientific Coordination Committee of the European Consortium of Landscape Economics (CEEP)
2006	Member of the Organisation and Programme Committee of the 16 th ÖGA-Jahrestagung „Ländliche Betriebe und Agrarökonomie auf neuen Pfaden“ in September 2002, Vienna, Austria
2006	Research consultant for the Sustainable Lifestyles research project coordinated by ÖIN (Fabrik der Zukunft)
2005–2008	Member of the European Rural Property Network
2003–2012	Board member of the Austrian Society of Agricultural Economists, Österreichische Gesellschaft für Agrarökonomie (ÖGA)
2003–2004	EU-expert for the evaluation of research proposals for EU FP 6 funding
2002	Member of the Organisation and Programme Committee of the 12 th ÖGA-Jahrestagung „Armut und Reichtum im Ländlichen Raum – Poverty and Wealth in Rural Areas“, in Vienna 26–27 September 2002
2001	Member of the Organisation and Programme Committee of the 11 th ÖGA-Jahrestagung „Wie Steuerbar ist die Landwirtschaft? Erfordernisse, Potentiale und Instrumente zur Ökologisierung der Landwirtschaft, 27–28 September 2001 in Graz, Austria
2000–2003	Secretary and Board Member (until 2012) of the Austrian Society of Agricultural Economists, Österreichische Gesellschaft für Agrarökonomie (ÖGA)
1998	Rapporteur of the Discussion Panel “Ethical responsibility of researchers in regional sustainable development on Graz Principles”. International Conference “Regions Cornerstones for Sustainable Development”, 28–30 October 1998 in Graz, Austria

5.5 Trainings

Year	Training activities
2023	Medientraining
2023	Führungsanspruch, Personalverantwortung, Umgang mit Diskriminierung
2018	Management Wissenschaft, 5-tägiger Führungslehrgang für UniversitätsprofessorInnen der BOKU
2015	Female Leaders in Science (WWTF)
2015	ERC FFG Academy Training: How to write a competitive ERC Grant Proposal, ERC Interview Training – Consolidator Grant (FFG)
2012	Inter- and Transdisciplinary Research – a Frameworks for Research Integration and Implementation (Gabriele Bammer, Australian State University, Harvard University)
2008	Erfolg in der universitären Lehre – BOKU Didaktikkurs
2003	How to Negotiate, Manage and Administer an EU R&D Contract (Hyperion, Sean McCarthy) am 7. November 2003, fFORTE EU-Coaching des BMBWK
2003	How to Write a Competitive Proposal for Framework 6 (Hyperion, Sean McCarthy) am 6. November 2003, fFORTE EU-Coaching des BMBWK
2003	The Summer 2003 Academic Writing Workshop, Language Centre, University College London, 4 May – 1 June 2003

Year	Training activities
2003	The Summer 2003 Advanced Speaking and Discussion Workshop, Language Centre, University College London, 6 May – 3 June 2003
2003	Gender-Sensibilisierung: Frauen in Forschung und Technologie (Univ.Prof. Dr. Edeltraud Hanappi-Egger, WU-Wien) am 13. Jänner 2003, fFORTE Coaching des BMBWK
2002 / 2003	Kleingruppe – Englisch (Spracheninstitut der Industrie) vom 11. November 2002 bis 10. Jänner 2003
2002	Inhalte vermitteln – diskutieren – argumentieren (Aufbaukurs) (Tatjana Lackner, Die Schule des Sprechens) am 8. und 16. Mai 2002 (Weiterbildungsveranstaltung der BOKU)
2002	Inhalte vermitteln – diskutieren – argumentieren (Tatjana Lackner, Die Schule des Sprechens) am 14. und 21. Feber 2002 (Weiterbildungsveranstaltung der BOKU)
2001 / 2002	Didaktik – eine praxisorientierte Einführung (Ao.Univ.Prof. Alois Ecker) am 4., 5. und 6. Oktober 2001, 5. Dezember 2001 und am 1. Feber 2002 (Weiterbildungsveranstaltung der BOKU)
2001	English for Academic Purposes (John Buczak, MA) am 10. und 20. Oktober 2001 (Weiterbildungsveranstaltung der BOKU)
2000	Sprache und Schreiben in inter- und transdisziplinärer Wissenschaft (Univ.Prof. Dr. Maria Nicolini), KLF-Sprachseminar vom 28.–30. Juni 2000 in Friesach