

Scientific Curriculum Vitae for Klaus Mittenzwei

Personal information

First name, Surname:	Klaus, Mittenzwei		
Date of birth:	25.06.1967	Sex:	M
Nationality:	German		
Researcher unique identifier(s) (ORCID, ResearcherID, etc.):	https://orcid.org/0000-0001-5228-9502		
URL for personal website:	https://ruralis.no/en/employees/klaus-mittenzwei/		

Education

Year	Faculty/department - University/institution - Country
2002	Ph.D.: Department of Economics and Social Science, Agricultural University of Norway
1993	Master: Faculty of Agriculture, University of Bonn, Germany

Positions - current and previous

(Academic sector/research institutes/industrial sector/public sector/other)

Year	Job title – Employer - Country
Sep 2021 -	Research Professor, Ruralis- Institute for Rural and Regional Research (Forsker I)
Sep 2020 – Aug 2021	Researcher, Ruralis – Institute for Rural and Regional Research (Forsker II)
Jul 2013 – Aug 2020	Researcher, Department of Economics and Society, Norwegian Institute of Bioeconomy Research, Norway
May 1993 – Jun 2013	Researcher, Research Department, Norwegian Agricultural Economics Research Institute, Norway

Career breaks

Year	Reason
N/A	

Project management experience (since 2015)

Year	Project owner - Project - Role – Funder
2025-2029	Ruralis – Integrating climate, environment, and public health in the Norwegian food system to assess efficient, safe, and acceptable policy options (CHEOPS) – Project leader – Collaborative Project to meet Societal and Industry-related Challenges Research Council of Norway
2024-2025	Ruralis – Look to Switzerland: Can Swiss agri-environmental programs work in Norwegian agriculture? Project leader – Climate – and Environment Programme (Norwegian Agriculture Agency)
2023-2026	BOKU Vienna - GreeNet: Grassland conservation across European landscapes protecting biodiversity and ecosystem services with ecological networks – Work package leader – Biodiversa+ [Research Council of Norway]
2022-2025	IIASA (International Institute for Applied Systems Analysis) – LAMASUS: LAnd use and MAnagement modelling for SUStainable governance – Project member – Horizon Europe
2022-2025	ATB Potsdam – DairyMix: Multi-criteria assessment, decision support and management tools for sustainable circular mixed farming systems for dairy production – Project member – ERA-NET [Research Council of Norway]
2021-2025	Ruralis – LIMBO – Evaluating future ABM threats and developing strategies for Norwegian livestock farming – Project member – Research Council of Norway

2021-2025	Nofima – Sustainable Eater: Consumers in a sustainable Norwegian food system – Work package leader – Research Council of Norway
2021-2025	Cicero – VOM [Incentives for tools for the transformation of the food system] – Project participant – Research Council of Norway
2021-2026	Statistics Norway – Landwell: Climate-induced welfare impacts of ecosystem goods and services from agricultural and seminatural landscapes in Norway – Work package leader – Research Council of Norway
2021-2023	Ruralis– Model simulations for the Office of the Auditor General of Norway’s work on Norwegian food security – Project leader – Office of the Auditor General of Norway
2020-2022	Ruralis – CLIMPLEMENT-How farmers and agricultural actors can implement effective climate solutions – Work package leader – Research Council of Norway
2020	Private consultant – Modeling expertise for the Country study Norway – Project leader – OECD
2019-2022	Cicero/SSB – PLATON – a platform for open and nationally accessible climate policy knowledge, Work package leader – Research Council of Norway
2019-2022	Ruralis – PROTEIN2.0: The biosynthetic protein transition: assessing impacts, outcomes and opportunities for Norway’s post-animal bioeconomy – Work package leader – Research Council of Norway
2019-2022	Wageningen University – Modelling individual decisions to support the European policies related to agriculture (MIND-STEP) – Project member – H2020
2019	NIBIO – Income generation in agriculture: Status, variation and possible explanations – Project leader – Ministry of Finance and Ministry of Agriculture and Food
2019	NIBIO – Analysis for Klimakur 2030: Diet and food waste – Project leader – Norwegian Environmental Agency
2018-2019	NIBIO – Econometric analysis of the relationship between quantity, price and subsidies in animal production – Project leader – Agriculture and Food Industry Research Funds
2017-2020	Ruralis – Land fragmentation in agriculture – causes, consequences and measures (LANDFRAG) – Work package leader –Research Council of Norway
2017-2018	NIBIO – Further development of NIBIO’s tools for economic assessment of GHG emissions from agriculture – Project leader – Ministry of Finance
2017-2018	NIBIO – Update of data for Norway in CAPRI (Common Agricultural Policy Regional Impact Modelling System) – Project leader – Norwegian Environment Agency
2015	NIBIO – Reduced emissions from production and consumption of red meat – Project leader– Green Tax Commission

Supervision of students

(Total number of students)

Master's students	Ph.D. students	University/institution – Country
5		Norwegian University of Life Sciences, Norway
1		Martin-Luther University of Halle-Wittenberg
1		University of Oslo

Other relevant professional experiences

Year	Description – Role
2000-	<u>Professional membership</u> : European Association of Agricultural Economists, The Agricultural Economics Society
2000-	<u>Referee activities</u> : ca. 3-4 papers per year in high-ranked journals
2017	FACCE-JPI MACSUR “Assessing climate change adaptation and mitigation options: The regional and policy dimension”, TradeM International workshop, 9.-12.10.17, Norway – Local and scientific organizer
2013-2020	Member of the Appointment Board, Norwegian Institute of Bioeconomy Research, Norway
2020-2022	External examiner for course ECN261 Agricultural Policy II at Norwegian University of Life Sciences (5 ECTS)

Track record

41 peer-reviewed scientific publications in the Current Research Information System In Norway (CRISTIN)
 Research Interest Score: 393.0 (Research Gate)
 h-index: 13 excluding self-citations (Research Gate), 15 (Google Scholar)
 Last updated: 02.02.2025

Most important scientific publications since 2015

1. Mittenzwei, K., Britz, W., and Burton, R. (2024). The potential impact of cultivated protein on agriculture in Norway. *Environmental Innovation and Societal Transitions*. 100960. DOI: <https://doi.org/10.1016/j.eist.2024.1000960>
2. Lyng, K.-A., Møller, H., Mittenzwei, K., Pettersen, I., Vesterlund Olsen, J. and Fjerdingby Olsen, H. (2024). Transforming the food system with a biomass value hierarchy: Sustainability and policy insights. *Sustainable Production and Consumption*. DOI: <https://doi.org/10.1016/j.spc.2024.11.026>
3. Mittenzwei, K. Lindhjem, H., Stokke, O.M. and Grimsrud, K. (2024). Negativ samfunnsøkonomisk effekt av nye kostråd? *Samfunnsøkonomen* Nr. 4/2024. DOI: <https://www.samfunnsokonomen.no/aktuell-analyse/negativ-samfunnsokonomisk-effekt-av-nye-kostrad>.
4. Mittenzwei, K., Berglann, H., Hoveid, Ø., Matthews, A. and Storm, H. (2024). Decomposing household income differences between farmers and non-farmers: Empirical evidence from Norway. *Journal of Agricultural Economics*. DOI: <https://doi.org/10.1111/1477-9552.12579>.
5. Storm, H., Heckeley, T., Baylis, K., and Mittenzwei, K. (2023). Identifying farmers' responses to changes in marginal and average subsidies using deep learning. *American Journal of Agricultural Economics*. DOI: <https://doi.org/10.1111/ajae.12442>.
6. Martinsson, E., Hansson, H., Mittenzwei, K., and Storm, H. (2023). Evaluating environmental effects of adopting automatic milking systems on Norwegian dairy farms. *European Review of Agricultural Economics*. DOI: <https://doi.org/10.1093/erae/jbad041>
7. Mittenzwei, K., Hristov, J., Pérez Domínguez, I., and Witzke, P. (2023). Effects for global agriculture of country-specific climate policy regimes with a focus on methane. *Q Open*. DOI: <https://doi.org/10.1093/qopen/qoad021>
8. Mittenzwei, K., Gustavsen, G.W., Grimsrud, K., Lindhjem, H. and Bjørkhaug, H. (2023). Perceived effects of climate policy on rural areas and agriculture: A rural-urban divide. *Journal of Rural Studies* 100. DOI: <https://doi.org/10.1016/j.jrurstud.2023.03.009>
9. Pérez Domínguez, I., del Prado, A., Mittenzwei, K., Hristov, J., Frank, S., Tabeau, A., Witzke, P., Havlik, P., Van Meijl, H., Lynch, J., Stehfest, E., Pardo, G., Barreiro-Hurle, J., Koopman, J. and Sanz Sánchez, M.J. (2021). Short- and long-term warming effects of methane may affect the cost-effectiveness of mitigation policies and benefits of low-meat diets *Nature Food* 2:970-980. DOI: <https://doi.org/10.1038/S43016-021-00385-8>
10. Mittenzwei, K. (2020). Arealbytte og transport langs vei i jordbruket. *Kart og Plan*. 113(4): 218-238. DOI: <https://doi.org/10.18261/issn.2535-6003-2020-04-02> (Open access: <https://nibio.brage.unit.no/nibio-xmlui/handle/11250/2736447>)
11. Mitter, H., Techen, A.-K., Sinabell, F., Helming, K., Schmid, E., Bodirsky, B.L., Holman, I., Kok, K., Lehtonen, H., Leip, A. Le Mouél, C., Mathijs, E., Mehdi, B., Mittenzwei, K., Mora, O., Øistad, K., Øygarden, L., Priess, J.A., Reidsma, P., Schaldach, R., Schönhart, M., (2020). Shared Socio-economic Pathways for European agriculture and food systems. *The Eur-Agri-SSPs*. *Global Environmental Change* 65. DOI: <https://doi.org/10.1016/j.gloenvcha.2020.102159>
12. Choi, H.S., Jansson, T., Matthews, A. and Mittenzwei, K. (2020). European Agriculture after Brexit: Does Anyone Benefit from the Divorce? *Journal of Agricultural Economics* 72(1): 3-24. DOI: <https://doi.org/10.1111/1477-9552.12396>
13. Mitter, H., Techen, A.-K., Sinabell, F., Helming, K., Kok, K., Priess, J.A., Schmid, E., Bodirsky, B.L., Holman, I., Lehtonen, H., Leip, A. Le Mouél, C., Mathijs, E., Mehdi, B., Michetti, M., Mittenzwei, K., Mora, O., Øygarden, L., Reidsma, P., Schaldach, R., Schönhart, M. (2019). A protocol to develop Shared Socio-economic Pathways for European agriculture. *Journal of Environmental Management* 252. DOI: <https://doi.org/10.1016/j.jenvman.2019.109701>.
14. Bullock, D.S., Mittenzwei, K. and Josling, T. (2019). Social Welfare Effects of Transparency and

- Misinformation in a Political Economy. *Journal of Agricultural and Applied Economics* 51(3): 485-494. DOI: <https://doi.org/10.1017/aae.2019.17>
15. Mittenzwei, K. and Britz, W. (2018). Analysing farm-specific payments for Norway using the Agrispace model. *Journal of Agricultural Economics* 69(3): 777-793. DOI: <https://doi.org/10.1111/1477-9552.12268>
16. Mittenzwei, K., Storm, H. and Heckeley, T. (2018). Farm labor and farm income: case study from Norway. pp. 152-168 in: Mishra, A.K., Viaggi, D. and Gomez y Paloma, S. (eds). *Public Policy in Agriculture. Impact on Labor Supply and Household Income*. Routledge. London and New York. Link: <https://www.taylorfrancis.com/chapters/edit/10.4324/9781315624440-9/farm-labor-farm-income-case-study-norway-klaus-mittenzwei-hugo-storm-thomas-heckelei>
17. Özkan Gülzari, S., Aspeholmen Åby, B., Persson, T., Höglind, M. and Mittenzwei, K. (2017). Combining models to estimate the impacts of future climate scenarios on feed supply, greenhouse gas emissions and economic performance on dairy farms in Norway. *Agricultural Systems* 157: 157-169. DOI: <https://doi.org/10.1016/j.agsy.2017.07.004>
18. Mittenzwei, K., Persson, T., Höglind, M. and Kværnø, S. (2017). Combined effects of climate change and policy uncertainty on the agricultural sector in Norway. *Agricultural Systems* 153: 118-126. DOI: <https://doi.org/10.1016/j.agsy.2017.01.016>
19. Bullock, D.S., Mittenzwei, K. and Wangsness, P. (2016). Balancing public goods in agriculture through Safe Minimum Standards. *European Review of Agricultural Economics* 43(4): 561-584. DOI: <https://doi.org/10.1093/erae/jbv037>
20. Mittenzwei, K., Mann, S., Refsgaard, K. and Kvakkestad, V. (2016). Hot cognition in agricultural policy preferences in Norway? *Agriculture and Human Values* 33: 61-71. DOI: <https://doi.org/10.1007/s10460-015-9597-8>
21. Mittenzwei, K., (2016). Importvern og handelspolitiske avtaler. pp. 41-53. In: Hegrenes, A., Mittenzwei, K. and Prestegard, S.S. (2016) (eds.) *Norsk jordbrukspolitikk: handlingsrom i endring*. Fagbokforlaget. Link: <https://www.fagbokforlaget.no/Norsk-jordbrukspolitikk/I9788245017434>
22. Mittenzwei, K., Hegrenes, A. and Prestegard, S.S. (2016). Det framtidige handlingsrommet: Størrelse og utnyttelse. Pp. 268-282. In: Hegrenes, A., Mittenzwei, K. and Prestegard, S.S. (2016) (eds.) *Norsk jordbrukspolitikk: handlingsrom i endring*. Fagbokforlaget. Link: <https://www.fagbokforlaget.no/Norsk-jordbrukspolitikk/I9788245017434>
23. Storm, H., Mittenzwei, K. and Heckeley, T. (2015). Direct payments, spatial competition and farm survival in Norway. *American Journal of Agricultural Economics* 97(4): 1192-1205. DOI: <https://doi.org/10.1093/ajae/aau085>

- Relevant software (administration, development and application):

Jordmod: Spatial, comparative-static, forward-looking quantitative partial equilibrium model for the agricultural sector of Norway (technical solution in GAMS)

Agrispace: Spatial, dynamic, forward-looking quantitative partial equilibrium model for the agricultural sector of Norway comprising all individual active Norwegian farms (technical solution in GAMS)

CAPRI (Common Agricultural Policy Regional Impact Analysis): Spatial, dynamic, forward-looking quantitative partial equilibrium model for the agricultural sector of Europe (technical solution in GAMS)

FarmDyn: Detailed, bioeconomic model for single farms in Norway and other European countries (technical solution in GAMS)

- Fellowships, awards and prizes:

2011: Anna Lindh Fellow, Europe Center, Stanford University, USA

2015: Sociologica Ruralis Best Paper Award for Bryden and Mittenzwei (2013)

2023: Top cited article in *Journal of Agricultural Economics* for Choi et al. (2020)