LENNART KOKEMOHR

1st April 1992, Germany

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I am a postdoctoral researcher in bio-economic farm modeling, with a focus on analyzing multifunctional systems. My interest is in integrating diverse modeling approaches and data sources across disciplines to capture the intricacies and interconnections among farming, the environment, and society.

Education

University of Bonn — September 2018 – October 2024
Doctoral student
Dissertation: Sustainability of European cattle farming: Status Quo and ways forward analysed with a farm-level optimisation model

University of Bonn — October 2015 –July 2018
Master of Science Degree in Agriculture and Food Economics
Specialization in agricultural policy and modeling

University of Bonn — October 2012 – October 2015
Bachelor of Science Degree in Agriculture
Specialization in Politics and Economics

Working experience

Ruralis Institute for Rural and Regional Research — October 2024 – Present
Postdoctoral researcher

Ruralis Institute for Rural and Regional Research — September 2022 – October 2024
Junior researcher

EuroCARE GmbH Bonn — January 2021 – August 2022
Junior Consultant

Institute for Food and Resource Economics, University of Bonn — September 2018 – January 2021
Scientific Associate

Institute for Food and Resource Economics, University of Bonn — November 2015 – April 2018
Student Assistant

Selected Project Work

SustainBeef

Topic**:**

- Co-definition and evaluation of sustainable beef farming systems based on resources non-edible by humans

Tasks:

- Development of a lifecycle sustainability assessment tool
- FarmDyn linkage to the ecoinvent LCA database

Climplement

Topic**:**

- How can farmers go about production in a way that results in reduced greenhouse gas emissions?

Tasks:

- Update FarmDyn with latest GHG abatement technology
- Identify representative farms using cluster analysis
- Calculation of abatement cost curves of typical Norwegian dairy farms

DairyMix

Topic**:**

- Multi-criteria assessment, decision support, and management tools for sustainable circular mixed farming systems for dairy production

Tasks:

- Farm data processing tool for database creation
- Development of a circularity indicator
- Conceptualization and development of crop model and farm model linkage at the crop and rotational level

Lamasus

Topic**:**

- Land management for sustainability

Tasks:

- Development of a representative farm sample from public registers
- Update FarmDyn model to Norwegian production conditions
- Analysis of fertilizer policy scenarios
- Mapping of FarmDyn model results for cross-model comparison and stakeholder engagement

Greenet

Topic**:**

- Grassland conservation across European landscapes protecting biodiversity and ecosystem services with ecological networks

Tasks:

- Update FarmDyn to plot-level cropping decisions
- Creating an interface with a farm model, a biodiversity indicator and a policy planning tool

SeTilSveits

Topic**:**

- Swiss-inspired agri-environmental measures tested in Norway

Tasks:

- Implement various agri-environmental measures in FarmDyn
- Calculate Opportunity costs for policy participation

Selected Publications

Kokemohr, L., Escobar, N., Mertens, A., Mosnier, C., Pirlo, G., Veysset, P., & Kuhn, T. (2022). Life Cycle Sustainability Assessment of European beef production systems based on a farm-level optimization model. *Journal of Cleaner Production*, *379*, 134552.

Kokemohr, L., Mittenzwei, K., & Kuhn, T. (2026). Greenhouse gas abatement costs of Norwegian dairy farms. *Agricultural Systems*, *233*, 104592.

Kuhn, T., **Kokemohr, L.**, & Holm-Müller, K. (2018). A life cycle assessment of liquid pig manure transport in line with EU regulations: a case study from Germany. *Journal of Environmental Management*, *217*, 456-467.

Thös, A., Schuler, J., **Kokemohr, L.**, Zander, P., Gutser, K., Uthes, S., ... & Aurbacher, J. (2026). Harvest timing as a key lever for improvement of alfalfa-based feeding systems: A bio-economic analysis for a Brandenburg dairy farm. *Agricultural Systems*, *237*, 104774.

Mertens, A., **Kokemohr, L.**, Braun, E., Legein, L., Mosnier, C., Pirlo, G., ... & Stilmant, D. (2023). Exploring rotational grazing and crossbreeding as options for beef production to reduce GHG emissions and feed-food competition through farm-level bio-economic modeling. *Animals*, *13*(6), 1020.

Language and Technical Skills

- German: Fluent
- English: Fluent
- Gams, Python, R
- SVN, Github & Gitlab

Bonn, 2nd May 2026