

Katharina Falkner

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📍 **Address:** Arsenal, Objekt 20, 1030 Wien (Austria)

WORK EXPERIENCE

Economist

Austrian Institute of Economic Research (WIFO) [10/2022 – Current]

City: Vienna

Country: Austria

Research Group Environment, Agriculture and Energy

University research assistant

University of Natural Resources and Life Sciences Vienna (BOKU) [10/2017 – Current]

City: Vienna

Country: Austria

Institute for Sustainable Economic Development

Research fields: agricultural climate change adaptation and climate mitigation, environmental economics, sustainable agriculture, integrated land use modelling

Lecturer

University of Natural Resources and Life Sciences Vienna (BOKU) [10/2020 – Current]

City: Vienna

Country: Austria

Lectures: Environmental and resource economics (in German), Basics of Sustainable Development (in German)
co-supervision of master thesis

EDUCATION AND TRAINING

Doctoral studies of Social and Economic Sciences (Dr.rer.soc.oec)

University of Natural Resources and Life Sciences Vienna (BOKU) [10/2017 – Current]

Address: Institute for Sustainable Economic Development, Vienna (Austria)

Master programme Agricultural and Food Economy (Dipl.-Ing.)

University of Natural Resources and Life Sciences Vienna (BOKU) [05/2015 – 09/2017]

Address: Vienna (Austria)

Bachelor programme Environment and Bioresources Management (BSc.)

University of Natural Resources and Life Sciences Vienna (BOKU) [10/2011 – 05/2015]

Address: Vienna (Austria)

LANGUAGE SKILLS

Mother tongue(s): **German**

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Spanish

LISTENING A1 READING A1

SPOKEN INTERACTION A1

Croatian

LISTENING A1 READING A1

SPOKEN INTERACTION A1

SKILLS

Software skills

Microsoft Office / R/R- Studio / GAMS / html/css / Python / GIS / easytranscript / Zotero

Organisational skills

Project lead in national research projects / Organisation of Workshops

PUBLICATIONS

Integrated modelling of cost-effective policies to regulate Western Corn Rootworm under climate scenarios in Austria

[2021]

<https://doi.org/10.1016/j.ecolecon.2021.107137>

Ecological Economics 188, 107137

Falkner, K., Schmid, E. und Mitter, H.

Modelling the emergence dynamics of the western corn rootworm beetle (*Diabrotica virgifera virgifera*)

[2022]

<https://doi.org/10.1038/s41598-022-05032-1>

Scientific Report 12, 2340

Jaksons, R., Falkner, K. und Moltchanova, E.

Uncertainty concepts for integrated modeling - Review and application for identifying uncertainties and uncertainty propagation pathways

[2021]

<https://doi.org/10.1016/j.envsoft.2020.104905>

Environmental Modelling & Software 135, 104905

Kirchner, M., Mitter, H., Schneider, UA., Sommer, M., Falkner, K. und Schmid, E.

A zero-inflated Poisson mixture model to analyse spread and abundance of the Western Corn Rootworm in Austria

[2019]

<https://doi.org/10.1016/j.agsy.2019.04.010>

Modelling crop rotation regulations to control western corn rootworm infestation under climate change in Styria

[2019]

https://oega.boku.ac.at/fileadmin/user_upload/Tagung/2018/AJARS28/28.8_Falkner_et_al.pdf

Austrian Journal of Agricultural Economics and Rural Studies , 28, 47-53

Falkner, K., Mitter, H., Moltchanova, E. und Schmid, E.

CONFERENCES AND SEMINARS

EAAE Seminar 181

[Berlin, GERMANY, 05/10/2022 – 07/10/2022]

Falkner, K., Schönhart, M., Sinabell, F., Schmid, E.: GHG emission reduction potentials and economic effects of mitigation measures in Austrian agriculture. In: Spiegel, A; Heidecke C; et al. (Eds.), Greenhouse gas emissions in the EU agriculture and food sector: Potential and limits of climate mitigation policies and pricing instruments

Joint Conference of the Slovenian Association of Agricultural Economists (DAES) and the Austrian Association of Agricultural Economists (ÖGA)

[Ljubljana, SLOVENIA, 22/09/2022 – 23/09/2022]

Falkner, K., Mitter, H., Schmid, E.: Modelling crop management adaptation to scenarios of declining precipitation sums in Upper Austria In: Tomšič, M; Novak, A; Travnikar, T; Juvančič, L (Eds.), Societal Changes and Their Implications on Agri-Food Systems and Rural Areas; ISBN: 978-961-94943-1-8

31. Jahrestagung der Österreichischen Gesellschaft für Agrarökonomie ÖGA 2021

[Vienna, AUSTRIA (online)]

Falkner, K., Kropf, B., Schmid, E., und Mitter, H.: A Bayesian Network to support agricultural land and groundwater management under climate change in the Seewinkel region. ÖGA (Eds), Strategien für den Agrar und Ernährungssektor und den ländlichen Raum in Zeiten multipler Krisen (Strategies for the agricultural and food sector and rural areas in times of multiple crises), p. 55-56

Landscape 2021 - Diversity for Sustainable and Resilient Agriculture

[Berlin, GERMANY (online), 20/09/2021 – 22/09/2021]

Falkner, K., Kropf, B., Schmid, E. und Mitter, H.: A Bayesian Network for analysing the relationships between agricultural land and groundwater management under climate change in the Seewinkel region. [Poster] In: Ewert, F; Feindt, P (Eds.), Diversity for Sustainable and Resilient Agriculture, p. 163

16th EAAE Congress 2021

[Prague, CZECH REPUBLIC, 20/07/2021 – 23/07/2021]

Falkner, K., Schmid, E. und Mitter, H.: The cost-effectiveness of invasive species regulation: The case of Western Corn Rootworm in Austria. In: EAAE (Ed.), Raising the Impact of Agricultural Economics: Multidisciplinarity, Stakeholder Engagement and Novel Approaches