

ADELAIDE SANDER

AGRI-ENVIRONMENTAL SCIENTIST

EDUCATION

MSc Environmental Science ETH ETH Zurich

Environmental systems and policy,
graduated in 2019

Final Dissertation: Assessing Farm
System Resilience at Lake Constance in
Germany using FAO's SHARP-tool

BSc Environmental Science ETH ETH Zurich

Environmental biology, graduated in 2016

Final Dissertation: Cannibalism in the Pea
Aphid - A route of horizontal transmission
of endosymbionts?

LANGUAGES

German: mother-tongue

English: C2

Spanish: B2

Italian: A2

French: A1

SKILLS

R: advanced

GIS: intermediate

REFERENCE

Prof Dr Jaboury Ghazoul

Chair of Ecosystem Management ETHZ

✉ jaboury.ghazoul@env.ethz.ch

PUBLICATIONS

Sander, A., Ghazoul, J., Finger, R., & Schaub, S. (2024). Participation in individual and collective agri-environmental schemes: A synthesis using the Theory of Planned Behaviour. *Journal of Rural Studies*, 107, 103255.

Schaub, S., Ghazoul, J., Huber, R., Zhang, W., Sander, A., Rees, C., et al. (2023).

The role of behavioural factors and opportunity costs in farmers' participation in voluntary agri-environmental schemes: A systematic review. *J. Agric. Econ.*,

Le Goff, U., Sander, A., Lagana, M.H., Barjolle, D., Phillips, S. & Six, J. (2022).

Rising up to the climate challenge - Understanding and assessing farmers' strategies to build their resilience. A comparative analysis between Ugandan and Swiss farmers. *J. Rural Stud.*, 89, 1-12

WORK EXPERIENCE

Doctoral Researcher

ETH Zurich

Feb 2024 - today

Chair of Ecosystem Management

My research consists of building an agent-based model describing the socio-ecological landscape in the context of Scottish restoration with the aim of modeling implications of changing policy and financing.

Data analyst: Water

Food and Agriculture Organisation (FAO)

January 2021 - Januar 2023

Land and Water Division

- Analysing data on global water use, including data on SDG 6 (specifically the sub-indicators on Water Use Efficiency and Water Stress);
- Validation of data received through questionnaires in close cooperation with national focal points;
- Preparation of reports (several country profiles, report on water and climate change) and training material;

Researcher: Agri-biodiversity and Food Security

ETH Zurich

May 2021 - September 2023

Chair of Ecosystem Management

- Building a random forest model on food security under different biophysical and socioeconomic contexts in East- and West Africa using QGIS and R;
- Systematic review on farmers decision making towards sustainable behaviours
- First author paper reviewing qualitative literature on behavioural aspects of participating in land-landscape scale agri-environmental schemes (in review)

Researcher: Policy Analysis and Environmental Governance

EAWAG

August 2020 - December 2020

Chair of Policy Analysis and Environmental Governance

- Systematic literature review on pesticide management in Western Africa;
- and literature research on the development of lithium battery technology and the e-vehicle market in Europe.

Internship: Monitoring and Evaluation

Gesellschaft für internationale

September 2019 - March 2020

Zusammenarbeit (GIZ)

Green Innovation Centers for the agriculture and food sector

- Supported the management of the monitoring and evaluation system, comprised of 15 individual country projects and an aggregated, global results-based M&E system;
- Validation of countries' monitoring data in close contact with the local M&E staff and independent data analysis.

Internship: Winery Jonas Kurek

Weingut Kurek

June - September 2019

Internship: Farm System Resilience

Food and Agriculture Organisation (FAO)

September 2018 - May 2019

- Analysis of socio-economic data obtained with the FAO-developed SHARP tool from several African countries, Switzerland, and Germany, using the software R to analyze farm system resilience to climate change based on agro-ecological principles;
- Preparation of publication manuscript.