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Institute of Farm Management
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Curriculum Vitae

Name: Christian Sponagel

Date and place of birth: November, 28 1994 in Kirchheimbolanden

Nationality: Deutsch

Work and research experience

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| March 2019
- present | University of Hohenheim, Stuttgart, Deutschland
Research associate, Department of Farm Management
(Prof. Dr. Enno Bahrs) <ul style="list-style-type: none">• Part of lead author team for the „Agriculture and open land“ chapters in the BMBF Faktencheck Artenvielfalt project• Working on other research projects (e. g. DFG project AMAIZE-P, BMBF StressRes, BMBF project NOcsPS)• Teaching in Bachelor and Master modules (e. g. appraisal and taxation; investment, financing and dynamic decision models)• Preparation of proposals (e.g. BMBF, MLR BW)• Supervision of Bachelor's and Master's theses (approx. 2-3 per semester)• Co-supervision of three doctoral projects |
| November 2022 | Visiting scientist at the European Commission Joint Research Centre Seville, Spain (Unit D4: “Economics of Agriculture”) |
| March 2019
- April 2023 | Work on and from December 2022 onwards coordination of the BMBF - April 2023 project “RAMONA – Urban environmental offset strategies to drive sustainable land use” |
| March 2018
- September 2018 | Internship at BASF SE in the department Digitalization in Research & Development, Limburgerhof, Germany <ul style="list-style-type: none">• Master Thesis• Collaboration in projects in the field of digitisation and data analysis• Cooperation with the experimental department in the area of fungicide research |

Education

March 2019 - February 2022	Doctoral degree in agricultural sciences (Grade: summa cum laude, defense date: 9 February 2022). Title: "Prerequisites and implementation possibilities as well as economic impacts of biodiversity offset measures according to the German Nature Conservation Act in agriculture in conurbations using the example of the Stuttgart Region"
April 2017 - September 2018	Master of Science in Agribusiness at the University of Hohenheim
October 2014 - March 2017	Bachelor of Science in Agricultural Science at the University of Hohenheim

Software skills

- R
- GAMS
- QGIS und ArcGIS
- SAS

Language skills

- German (Native Speaker)
- Englisch (C1)

Awards

- Südwestmetall Award 2023 for the dissertation „Prerequisites and implementation possibilities as well as economic impacts of biodiversity offset measures according to the German Nature Conservation Act in agriculture in conurbations using the example of the Stuttgart Region“
- Best Paper Award at the 60th Annual Conference of the Gesellschaft für Wirtschafts- und Sozialwissenschaften des Landbaues e.V. (Society for Economic and Social Sciences of Agriculture) (GEWISOLA)
- Best Paper Award at the 62th Annual Conference of the Gesellschaft für Wirtschafts- und Sozialwissenschaften des Landbaues e.V. (Society for Economic and Social Sciences of Agriculture) (GEWISOLA)

Teaching Skills

- Baden-Württemberg Certificate for Teaching and Learning at University Level (since December 2022)

List of publications

a) Articles which have been published or officially accepted by publication outlets with scientific quality assurance, listed in standard format; book publications (peer-reviewed)

1. Geier, C. R.; Bahrs, E.; **Sponagel, C.** (2023): Derivation and Evaluation of a Business Model to Promote Carbon Farming That Generates Valid Carbon Removal. In: Sustainability, 15(22). DOI: 10.3390/su152215809.
2. **Sponagel, C.**; Feuerbacher, A.; Bendel, D.; Weber, T. K. D.; Bahrs, E. (2023): Economic and agronomic impacts of agrivoltaics on arable land use at the example of the Stuttgart Region. In: German Journal of Agricultural Economics, 72(2). DOI: 10.30430/gjae.2022.0334.
3. Witte, F.; Back, H.; **Sponagel, C.**; Bahrs, E. (2022): Durchschnittskosten von Traktoren – Der Einfluss von abweichenden Nutzungsdauern sowie Neu- und Gebrauchtkäufen. In: Austrian Journal of Agricultural Economics and Rural Studies, Vol. 31, S. 27-36. DOI 10.15203/OEGA_31.5.
4. Witte, F.; Back, H.; **Sponagel, C.**; Bahrs, E. (2022): Restwertentwicklung von Traktoren – ein Plädoyer für die Anwendung einer differenzierten Marktwertschätzung. In: Landtechnik, 76(1): 166-185. <https://doi.org/10.15150/lt.2022.3273>.
5. **Sponagel, C.**; Bendel, D.; Angenendt, E.; Weber, T. K. D.; Gayler, S.; Streck, T.; Bahrs, E. (2022): Integrated assessment of regional approaches for biodiversity offsetting in urban-rural areas – A future based case study from Germany using arable land as an example. In: Land Use Policy 117: 106085. DOI: 10.1016/j.landusepol.2022.106085.
6. **Sponagel, C.**; Raichle, A.; Maier, M.; Zhuber-Okrog, S.; Greifenhagen-Kauffmann, U.; Angenendt, E.; Bahrs, E. (2021): Expert-based maps as a regional planning tool for supporting nature conservation and production-integrated compensation – A German case study on biodiversity offsets. In: Land, 10(8): 808. <https://doi.org/10.3390/land10080808>.
7. **Sponagel, C.**; Angenendt, E.; Piepho, H.-P.; Bahrs, E. (2021): Farmers' preferences for nature conservation compensation measures with a focus on eco-accounts according to the German Nature Conservation Act. In: Land Use Policy, 104: 105378. <https://doi.org/10.1016/j.landusepol.2021.105378>.
8. **Sponagel, C.**; Back, H.; Angenendt, E.; Bahrs, E. (2021): Development of Supply Curves for Biodiversity Offsets on Agricultural Land – a Case Study from the Stuttgart Region. In: German Journal of Agricultural Economics, 70(2): 70-83. <https://doi.org/10.30430/70.2021.2.70-83>.
9. Zhou, L.; Hülsemann, B.; Cui, Z.; Merkle, W.; **Sponagel, C.**; Zhou, Y.; Guo, J.; Dong, R.; Müller, J.; Oechsner, H. (2021): Operating Performance of Full-Scale Agricultural Biogas Plants in Germany and China: Results of a Year-Round Monitoring Program. In: Applied Science, 11(3): 1271. doi.org/10.3390/app11031271.
10. Kiefer, A.; Elsässer, M.; Grant, K.; Lindner, R.; Trček, U.; Risius, A.; Schulze, M.; Achim Spiller, A.; Dentler, J.; Wacker, K.; **Sponagel, C.**; Weber, J.; Bahrs, E. (2020): Grünlandschutz in benachteiligten Mittelgebirgsregionen durch ein Bio-Weiderindkonzept am Beispiel des Südschwarzwalds. In: Berichte über Landwirtschaft, 98 (3).

b) Other publications, both peer-reviewed and non-peer-reviewed

1. **Sponagel, C.**; Klinnert, A.; Catarino, R.; Beber, C. L.; Baldoni, E.; Barbosa, A-L.; Witte, F.; Bahrs, E. (2023): Farm income and food supply impacts of increased natural pest control potentials in the agricultural landscape: the case of the German state Brandenburg. XVII Congress of the European Association of Agricultural Economists (EAAE) “Agri-food systems in a changing world: Connecting science and society”, Rennes, 29.08.- 01.09.2023.
2. **Sponagel, C.**; Feuerbacher, A.; Bahrs, E. (2022): Agrivoltaics in Regional Planning – An Integrated Assessment Framework. Joint Conference of the Slovenian Association of Agricultural Economists (DAES) and the Austrian Association of Agricultural Economists (ÖGA), Ljubljana, 22. – 23.09.2022.
3. Witte, F.; **Sponagel, C.**; Bahrs, E. (2022): Potentials to Reduce Pesticides with an Eco-Scheme – The Case of Baden-Württemberg. Joint Conference of the Slovenian Association of Agricultural Economists (DAES) and the Austrian Association of Agricultural Economists (ÖGA), Ljubljana, 22. – 23.09.2022.
4. **Sponagel, C.**; Feuerbacher, A.; Bendel, D.; Weber, T. K. D.; Bahrs, E. (2022): Ökonomische und agronomische Auswirkungen von Agri-Photovoltaik auf die landwirtschaftliche Ackernutzung am Beispiel der Region Stuttgart. 62. Jahrestagung der Gesellschaft für Wirtschafts- und Sozialwissenschaften des Landbaues e.V., Hohenheim, 07. – 09.09.2022. DOI: 10.22004/ag.econ.329600.
5. Geier, C. R.; **Sponagel, C.**; Angenendt, E.; Bahrs, E. (2022): Bewertung der Zertifizierungsfähigkeit ausgewählter Carbon Farming Massnahmen hinsichtlich ihres Klimaschutzeffektes mit ökonomischer Analyse am Beispiel von drei Landkreisen Baden-Württembergs. 62. Jahrestagung der Gesellschaft für Wirtschafts- und Sozialwissenschaften des Landbaues e.V., Hohenheim, 07. – 09.09.2022. DOI: 10.22004/ag.econ.329612.
6. **Sponagel, C.**; Back, H.; Angenendt, E.; Bahrs, E. (2020): Development of supply curves for environmental compensation measures on farmland on the example of the Stuttgart Region in Germany. In: Proceedings of the 3rd Infer Symposium on Agri-Tech Economics for Sustainable Futures, Harper Adams University, Newport, 21.09. – 22.09.2020, S. 19 – 36.
7. **Sponagel, C.**; Angenendt, E.; Bahrs, E. (2020): Kollektiver Naturschutz in der Landwirtschaft? In: 30. Jahrestagung der Österreichischen Gesellschaft für Agrarökonomie (ÖGA), Universität für Bodenkultur Wien, 17.09.2020, S. 21 -22.
8. Wacker, K., **Sponagel, C.**, Dentler, J., Bahrs, E. (2020): Regionalpotenziale für Bio-Weiderindfleisch. In: Tagungsband, 30. Jahrestagung der Österreichischen Gesellschaft für Agrarökonomie (ÖGA), Universität für Bodenkultur Wien, 17.09.2020, S.41-42.

c) Submitted articles

1. **Sponagel, C.**; Weik, J., Feuerbacher, A.; Bahrs, E.: Exploring the climate change mitigation potential and regional distribution of agrivoltaics with geodata-based farm economic modelling and life cycle assessment. Under Review bei “Journal of Environmental Management”.
2. **Sponagel, C.**; Witte, F.; Bahrs, E.: Can markets for nature conservation be successful? – An ex-ante integrated assessment of a new product label for biodiversity friendly farming practices in Germany. Under Review bei “Sustainable Production and Consumption”.
3. Witte, F.; **Sponagel, C.**; Bahrs, E.: Reduction potentials of chemical-synthetic pesticides – A case study using the example of an Eco-Scheme in Baden-Württemberg. Under Review bei “Journal for Nature Conservation”.