

Complete List of Publications and Supervision

Journal articles (peer-reviewed)

1. McKie, B.G., Friberg, N., Forio, M.A.E., Kupilas, B., Mutinova, P.T., Sargac, J., Ramberg, E., Popescu, C., Niță, D., Dinu, V., Sava, M., **Witing, F.**, Truchy, A., Kahlert, M., Johnson, R.K., Goethals, P., Rîșnoveanu, G., Volk, M. & F.J. Burdon (2026): More than just a margin: Local and landscape-scale factors regulating the effects of riparian forest buffers on stream-riparian ecosystems in urban and agricultural landscapes. *Journal of Applied Ecology* 63, e70548. <https://doi.org/10.1111/1365-2664.70548>
2. Szulecka, J., Nesheim, I., Monaco, F., Buseth Blankenberg, A.-G., Čápková, V., Čerkasova, N., Méžině, J., Eichenberger, J., Farkas-Iványi, K., Forio, M.A.E., Fučík, P., Fütter, M.N., Gielczewski, M., Kasperska-Wołowicz, W., Kassai, P., Kramberger, G., Krzeminska, D., Lemann, T., Strauch, M., Szabó, B., Škute, A., **Witing, F.** & A. Zajíček (2026): Systemic barriers and untapped potentials: a SWOT study on the implementation of natural/small water retention measures in Europe. *Journal of Rural Studies* 124: 104099. <https://doi.org/10.1016/j.jrurstud.2026.104099>
3. Piniewski, M., Čerkasova, N., Plunge, S., Strauch, M., Schürz, C., Braun, P., Chiaradia, E.A., Eichenberger, J., Eini, M.R., Farkas, C., Forio, M.A.E., Goethals, P., Kassai, P., Marval, Š., Panique-Casso, D.G., Sanguanini, L., Shore, M., Szabó, B., Slavík, P. & **F. Witing** (2025): Enhanced crop calibration for SWAT+: evaluating water, sediment and nutrient impacts across ten European catchments. *Environmental Modelling & Software* 196: 106794. <https://doi.org/10.1016/j.envsoft.2025.106794>
4. Burdon, F.J., Sargac, J., Ramberg, E., Popescu, C., Darmina, N., Bradu, C., Forio, M.A.E., **Witing, F.**, Kupilas, B., Lau, D.C.P., Volk, M., Rîșnoveanu, G., Goethals, P., Friberg, N., Johnson, R.K. & B.G. McKie (2025): Fatty acid biomarkers reveal landscape influences on linkages between aquatic and terrestrial food webs. *Ecological Monographs* 95: e70025. <https://doi.org/10.1002/ecm.70025>
5. White, S.E., **Witing, F.**, Wittekind, C.I.H., Volk, M. & M. Strauch (2025): Distilling the Pareto optimal front into actionable insights. *Environmental Modelling & Software* 191, 106508. <https://doi.org/10.1016/j.envsoft.2025.106508>
6. Szabó, B., Kassai, P., Plunge, S., Nemes, A., Braun, P., Strauch, M., **Witing, F.**, Mészáros, J., & N. Čerkasova (2024). Addressing soil data needs and data gaps in catchment-scale environmental modelling: The European perspective. *SOIL* 10(2): 587-617. <https://doi.org/10.5194/soil-10-587-2024>
7. Özdemir, A., Volk, M., Strauch, M. & **F. Witing** (2024): The effects of climate change on streamflow, nutrient loads, and crop yields in the Gordes Dam Basin, Turkey. *Water* 16(10): 1371. <https://doi.org/10.3390/w16101371>
8. Magnier, J., Fribourg-Blanc, B., Lemann, T., **Witing, F.**, Critchley, W. & M. Volk (2024): Natural/Small Water Retention Measures: Their contribution to ecosystem-based concepts. *Sustainability* 16(3): 1308. <https://doi.org/10.3390/su16031308>
9. Möckel, S., Bartkowski, B., Beckmann, M., Strauch, M., Stubenrauch, J., Volk, M., **Witing, F.**, Wolf, A., & M.C. Baaken (2024): Zukunftsfähige Agrarlandschaften in Deutschland – praktische Maßnahmen und ihre Wirksamkeit im Vergleich. *Natur und Recht* 46(1): 13-24. <https://doi.org/10.1007/s10357-023-4282-y>
10. Derepasko, D., **Witing, F.**, Peñas, F.J., Barquín, J. & M. Volk (2023): Towards adaptive water management - Optimizing river water diversion at the basin scale under future environmental conditions. *Water* 15(18): 3289. <https://doi.org/10.3390/w15183289>

11. Schwengbeck, L., Hölting, L. & **F. Witing** (2023): Modeling climate regulation of arable soils in northern Saxony under the influence of climate change and management practices. *Sustainability* 15(14): 11128. <https://doi.org/10.3390/su151411128>
12. **Witing, F.**, Volk, M. & U. Franko (2023): Modeling soil organic carbon dynamics of arable land across scales: A simplified assessment of alternative management practices on the level of administrative units. *Agronomy* 13(4): 1159. <https://doi.org/10.3390/agronomy13041159>
13. **Witing, F.**, Forio, M.A.E., Burdon, F.J., McKie, B.G., Goethals, P.L.M., Strauch, M. & M. Volk (2022): Riparian reforestation on the landscape scale: Navigating trade-offs among agricultural production, ecosystem functioning and biodiversity. *Journal of Applied Ecology* 59(6): 1456-1471. <https://doi.org/10.1111/1365-2664.14176>
14. Forio, M.A.E., Burdon, F.J., De Troyer, N., Lock, K., **Witing, F.**, Baert, L., De Saeyer, N., Rîșnoveanu, G., Popescu, C., Kupilas, B., Friberg, N., Boets, P., Johnson, R.K., Volk, M., McKie, B.G. & P.L.M. Goethals (2022): A Bayesian Belief Network learning tool integrates multi-scale effects of riparian buffers on stream invertebrates. *Science of The Total Environment* 810: 152146. <https://doi.org/10.1016/j.scitotenv.2021.152146>
15. Karimi, S., Pourebrahim, S., Salajegheh, A., Malekian, A., Strauch, M., Volk, M. & **F. Witing** (2021): Environmental flow requirements of Karaj River's sub-watersheds using flow duration curve and indicators of hydrological alteration. *Journal of Range and Watershed Management* 74(2): 393-405. <https://doi.org/10.22059/jrwm.2021.270394.1322>
16. Kupilas, B., Burdon, F.J., Thaulow, J., Håll, J., Mutinova, P.T., Forio, M.A.E., **Witing, F.**, Rîșnoveanu, G., Goethals, P., McKie, P.G. & N. Friberg (2021): Forested riparian zones provide important habitat for fish in urban streams. *Water* 13(6): 877. <https://doi.org/10.3390/w13060877>
17. Forio, M.A.E., de Troyer, N., Lock, K., **Witing, F.**, Baert, L., de Saeyer, N., Rîșnoveanu, G., Popescu, C., Burdon, F.J., Kupilas, B., Friberg, N., Boets, P., Volk, M., McKie, B.G., & P. Goethals (2020): Small patches of riparian woody vegetation enhance biodiversity of invertebrates. *Water* 12(11): 3070. <https://doi.org/10.3390/w12113070>
18. Burdon, F.J., Ramberg, E., Sargac, J., Forio, M.A.E., de Saeyer, N., Mutinova, P.T., Fosholt Moe, T., Pavelescu, M.O., Dinu, V., Cazacu, C., **Witing, F.**, Kupilas, B., Grandin, U., Volk, M., Rîșnoveanu, G., Goethals, P., Friberg, N., Johnson, R.K. & B.G. McKie (2020): Assessing the benefits of forested riparian zones: A qualitative index of riparian integrity is positively associated with ecological status in European streams. *Water* 12(4): 1178. <https://doi.org/10.3390/w12041178>
19. Bartkowski, B., Beckmann, M., Drechsler, M., Kaim, A., Liebelt, V., Müller, B., **Witing, F.**, & M. Strauch (2020): Aligning agent-based modeling with multi-objective land-use allocation: Identification of policy gaps and feasible pathways to biophysically optimal landscapes. *Frontiers in Environmental Science* 8: 103. <https://doi.org/10.3389/fenvs.2020.00103>
20. Cambien, N., Gobeyn, S., Nolivos, I., Forio, M.A.E., Arias-Hidalgo, M., Dominguez-Granda, L., **Witing, F.**, Volk, M. & P. Goethals (2020): Using the Soil and Water Assessment Tool to simulate the pesticide dynamics in the data scarce Guayas river basin, Ecuador. *Water* 12(3): 696. <https://doi.org/10.3390/w12030696>
21. **Witing, F.**, Gebel, M., Kurzer, H.-J., Friese, H. & U. Franko (2019): Large-scale integrated assessment of soil carbon and organic matter-related nitrogen fluxes in Saxony (Germany). *Journal of Environmental Management* 237: 272-280. <https://doi.org/10.1016/j.jenvman.2019.02.036>
22. **Witing, F.**, Prays, N., O'Keeffe, S., Gründling, R., Gebel, M., Kurzer, H.-J., Daniel-Gromke, J. & U. Franko (2018): Biogas production and changes in soil carbon input - A regional analysis. *Geoderma* 320: 105-114. <https://doi.org/10.1016/j.geoderma.2018.01.030>
23. Wüstemann, H., Bonn, A., Albert, C., Bertram, C., Biber-Freudenberger, L., Dehnhardt, A., Döhring, R., Elsasser, P., Hartje, V., Mehl, D., Kantelhardt, J., Rehdanz, K., Schaller, L.,

- Scholz, M., Thrän, D., **Witing, F.** & B. Hansjürgens (2017): Synergies and trade-offs between nature conservation and climate policy: Insights from the “Natural Capital Germany – TEEB DE” study. *Ecosystem Services* 24: 187-199. <https://doi.org/10.1016/j.ecoser.2017.02.008>
24. Meyer, M.A., Seppelt, R., **Witing, F.** & J.A. Priess (2016): Making environmental assessments of biomass production systems comparable worldwide. *Environmental Research Letters* 11(3): 034005. <https://doi.org/10.1088/1748-9326/11/3/034005>
25. Franko, U., **Witing, F.**, Jäckel, G. & M. Volk (2015): Large-scale identification of hot spots for soil carbon demand under climate change and bioenergy production. *Journal of Plant Nutrition & Soil Science* 178(2): 199-208. <https://doi.org/10.1002/jpln.201400241>
26. **Witing, F.** & D. Thrän (2012): Review of “Rise and fall of the carbon civilisation: resolving global environmental and resource problems” by Patrick Moriarty and Damon Honnery. *Energy, Sustainability and Society* 2:17. <https://doi.org/10.1186/2192-0567-2-17>
27. Vogeler, I., Cichota, R. & **F. Witing** (2009): Land based disposal of wastewater: fate of phosphorus. In: Brebbia, C.A. & V. Popov (Editors): *Water Resources Management V*. WIT Press. <https://doi.org/10.2495/WRM090121>

Book Chapter

1. **Witing, F.** (2024): Dynamics of soil organic matter in agricultural systems: assessing the impact of bioenergy production, agri- environmental measures and climate at regional scales. [Doctoral dissertation]. Martin-Luther-University Halle-Wittenberg. <https://doi.org/10.25673/117684>
2. Franko, U. & **F. Witing** (2020): Dynamics of Soil Organic Matter in Agricultural Landscapes. In: Mirschel, W., Terleev, V. & K.-O. Wenkel (Eds.), *Landscape Modelling and Decision Support. Innovations in Landscape Research*. Springer, Cham., pp 283-298. https://doi.org/10.1007/978-3-030-37421-1_14
3. Franko U., **Witing F.** & M. Volk (2019): Climate change induced carbon competition: Bioenergy versus soil organic matter reproduction. In: Schröter, M., Bonn, A., Klotz, S., Seppelt, R. & C. Baessler (Eds.), *Atlas of ecosystem services: Drivers, risks, and societal responses*. Springer International Publishing, Cham, pp. 257-262. https://doi.org/10.1007/978-3-319-96229-0_40
4. Hansjürgens, B., Schröter-Schlaack, C., Berghöfer, A., Bonn, A., Dehnhardt, A., Kantelhardt, J., Liebersbach, H., Matzdorf, B., Osterburg, B., Ring, I., Röder, N., Scholz, M., Thrän, D., Schaller, L., **Witing, F.** & H. Wüstemann (2017): Ökosystembasierte Klimapolitik für Deutschland. In: A. Marx (Hrsg.): *Klimaanpassung in Forschung und Politik*. Springer Fachmedien, Wiesbaden. https://doi.org/10.1007/978-3-658-05578-3_12

Reports & Publication Series

1. Strauch, M., Wittekind, C., **Witing, F.**, & M. Volk (2026): Maßnahmen für Wasser- und Phosphorrückhalt im Einzugsgebiet des Schwarzen Schöps – Ergebnisse aus OPTAIN. Informationsbroschüre und Geodaten für Stakeholder. *Zenodo*. <https://doi.org/10.5281/zenodo.18402276>
2. Möckel, S., Baaken, M.C., Bartkowski, B., Beckmann, M., Strauch, M., Stubenrauch, J., Volk, M., **Witing, F.** & A. Wolf (2024): Sustainable Cultivated Landscapes in Germany: Comparison of 27 Practical Measures for more Sustainability and their Effectiveness. *UFZ Discussion Papers*. (Bd. 2/2024). ISSN 1436-140X. Published by Helmholtz-Zentrum für Umweltforschung GmbH – UFZ, Leipzig (Germany). <https://doi.org/10.5281/zenodo.13766763>
3. Contribution to a series of public project deliverables of the EU H2020 project OPTAIN (full list of public deliverables is available on ZENODO: <https://zenodo.org/communities/optain-h2020-project/about>):

- i. **Witing, F.** (2026): Practice Abstracts (second set). Deliverable D7.9 of the EU Horizon 2020 project OPTAIN. *Zenodo*. <https://doi.org/10.5281/zenodo.19691178>
 - ii. Praprotnik Kastelic, J., Banovec, P., Cilenšek, A., Cvejić, R., Farkas, C., Krzeminska, D., Nesheim, I., Strauch, M., Szulecka, J., Škerjanec, M., Volk, M., Witing, F. & M. Glavan (2025): Guidelines for optimal implementation of NSWRM and their combinations in the specific European biogeographical region of interest (Pannonian, Continental, Boreal) across various agroecosystems, terrain, soil, climatic conditions. Deliverable D6.3 of the EU Horizon 2020 project OPTAIN. *Zenodo*. <https://doi.org/10.5281/zenodo.17897093>
 - iii. Wittekind, C., Strauch, M. & **F. Witing** (2025): Post-processing & interactive visualisation of optimisation results. Deliverable D5.2 of the EU Horizon 2020 project OPTAIN. *Zenodo*. <https://doi.org/10.5281/zenodo.15043864>
 - iv. Piniewski, M., Strauch, M., Plunge, S., Schürz, C., Čerkasova, N., Chiaradia, E.A. & **F. Witing** (2024): Assessment of NSWRM effectiveness under current and future climate at the catchment scale. Deliverable D4.4 of the EU Horizon 2020 project OPTAIN. *Zenodo*. <https://doi.org/10.5281/zenodo.11233621>
 - v. **Witing, F.**, Lemann, T. & R. Cvejić (2023): EIP-AGRI Practice Abstracts. Deliverable D7.8 of the EU Horizon 2020 project OPTAIN. *Zenodo*. <https://doi.org/10.5281/zenodo.17880335>
 - vi. Bokal, S., Semko, J., **Witing, F.**, Volk, M., Strauch, M., Amorsi, N., Nesheim, I. & R. Cvejić (2023): Communication and Dissemination Strategy (Update 2). Deliverable D7.2 of the EU Horizon 2020 project OPTAIN. *Zenodo*. <https://doi.org/10.5281/zenodo.7053747>
 - i. Szabó, B., Mészáros, J., Kassai, P., Braun, P., Nemes, A., Farkas, C., Čerkasova, N., Monaco, F., Chiaradia, E.A. & **F. Witing** (2022): Solutions to overcome data scarcity. Deliverable D3.2 of the EU Horizon 2020 project OPTAIN. *Zenodo*. <https://doi.org/10.5281/zenodo.13970741>
 - ii. Marval, Š., Fučík, P., Čerkasova, N., Schürz, C., Strauch, M., **Witing, F.**, Piniewski, M., Plunge, S., Farkas, C., Weiland, S., Krzeminska, D. & T. Lemann (2022): SWAT+ and SWAP retention measure implementation handbook. Deliverable D2.3 of the EU Horizon 2020 project OPTAIN. *Zenodo*. <https://doi.org/10.5281/zenodo.11232718>
 - iii. Amorsi, N., Semko, J., Bokal, S. & **F. Witing** (2020): Launch of OPTAIN website and social media. Deliverable D7.1 of the EU Horizon 2020 project OPTAIN. *Zenodo*. <https://doi.org/10.5281/zenodo.7053718>
4. Contribution to a series of confidential project deliverables of the EU H2020 project OPTAIN:
 - i. **Witing, F.** & N. Čerkasova (2021): Data management plan. Deliverable D8.1 of the EU Horizon 2020 project OPTAIN.
 - ii. **Witing, F.** (2021): Ethics Requirement No. 1 - Human participants involved in research (H). Deliverable D9.1 of the EU Horizon 2020 project OPTAIN.
 - iii. **Witing, F.** (2021): Ethics Requirement No. 2 - Protection of Personal Data (POPD). Deliverable D9.2 of the EU Horizon 2020 project OPTAIN.
 - iv. **Witing, F.**, Volk, M., Schürz, C. & M. Strauch (2021): Minutes of the plenary meetings. Deliverable D8.2 of the EU Horizon 2020 project OPTAIN.
5. Franko, U., **Witing, F.**, Thiel, E., Ließ, E., Diel, J. & A. Gasser (2020): CCB Manual. Version 20.19.1.14. Helmholtz-Centre for Environmental Research – UFZ.
<https://www.ufz.de/index.php?en=39729> // https://www.ufz.de/export/data/2/226120_CCB_Manual_19p.pdf
6. **Witing, F.** & M. Volk (2020): BiodivERsA-Verbund: Habitate und grün-blaue Infrastruktur in Auenlandschaften (CROSSLINK) - Teilprojekt: Optimierungsverfahren. Schlussbericht des

UFZ. Helmholtz-Zentrum für Umweltforschung GmbH - UFZ. Leipzig, Germany. 39S.
<https://doi.org/10.2314/KXP:176047391X>

7. **Witing, F.**, Franko, U. & M. Gebel (2016): Regionale Humus- und Nährstoffdynamik - Dynamische Bilanzierung von Humushaushalt und Nährstoffaustrag im regionalen Maßstab im Kontext von Landnutzungs- und Klimawandel. *Schriftenreihe des LfULG 20*. Sächsisches Landesamt für Umwelt, Landwirtschaft und Geologie (LfULG), Dresden, Germany. 99S.
<https://publikationen.sachsen.de/bdb/artikel/13630>
8. Franko, U., **Witing, F.**, Thiel, E. & E. Ließ (2016): CCB Manual. Helmholtz-Centre for Environmental Research – UFZ. <https://www.ufz.de/index.php?en=39729> // https://www.ufz.de/export/data/2/149997_CCC_Manual11_uf.pdf
9. Oelschlägel, B., Franko, U., Bönecke, E., Meurer, K., Prays, N. & **F. Witing** (2015): Optimizer. Description of Usage. Helmholtz-Centre for Environmental Research – UFZ.
<http://www.ufz.de/index.php?en=39727> // https://www.ufz.de/export/data/2/207548_OPTIMIZER_HANDLING.pdf
10. Vohland, K., Doyle, U., Albert, C., Bertram, C., Biber-Freudenberger, L., Bonn, A., Brenck, M., Burkhard, B., Förster, J., Fuchs, E., Galler, C., von Haaren, C., Ibisch, P. L., Kaphengst, T., Klassert, C., Klenke, R., Klotz, S., Kreft, S., Kühn, I., Marquard, E., Mehl, D., Meinke, I., Naumann, K., Reckermann, M., Rehdanz, K., Rüter, S., Saathof, W., Sauermann, J., Scholz, M., Schröder, U., Seppelt, R., Thrän, D. & **F. Witing** (2015): Ökosystemleistungen, Biodiversität und Klimawandel: Grundlagen. In: Hartje, V., Wüstemann, H. & A. Bonn (Hrsg.): *Naturkapital Deutschland – TEEB DE. Naturkapital und Klimapolitik – Synergien und Konflikte*. Technische Universität Berlin; Helmholtz-Zentrum für Umweltforschung – UFZ. Berlin, Leipzig, S. 66-99.
https://www.ufz.de/export/data/global/190502_TEEB_DE_Bericht1_Klima_Langfassung.pdf
11. Naturkapital Deutschland – TEEB DE (2014): Naturkapital und Klimapolitik – Synergien und Konflikte. Kurzbericht für Entscheidungsträger. Technische Universität Berlin, Helmholtz-Zentrum für Umweltforschung – UFZ, Leipzig.
12. Vogeler, I., **Witing, F.** & S. Green (2008): Movement of Phosphorus from on-site wastewater systems. *WISPAS Water in the Soil - Plant - Atmosphere System*, Published by HortResearch

Data & Software Publications

1. Wittekind, C., Strauch, M. & F. Witing (2026): ParetoPick-R (Version 1.2.0) [Software]. Zenodo. <https://doi.org/10.5281/zenodo.20134237>
2. White, S. E., **Witing, F.**, Wittekind, C., Volk, M. & M. Strauch (2025): PyretoClustR (executable version) (1.1) - Distilling the Pareto Optimal Front into Actionable Insights. Zenodo. <https://doi.org/10.5281/zenodo.14761001>
3. White, S. E., Strauch, M., **Witing, F.**, Wittekind, C. & M. Volk (2024): PyretoClustR - K-Means & K-Medoid Clustering on Pareto Optimal Solutions. *GitHub*.
https://github.com/SydneyEWhite/Pareto_Clustering
4. **Witing, F.**, Forio, M.A.E., Burdon, F.J., Mckie, B., Goethals, P., Strauch, M., & M. Volk (2022): Data from: Riparian reforestation on the landscape scale – Navigating trade-offs among agricultural production, ecosystem functioning and biodiversity [Data set]. In Journal of Applied Ecology (v1.0). Zenodo. <https://doi.org/10.5281/zenodo.6412402>
5. Honzak, L., Čerkasova, N., Farkas, C., Gelybó, G., Piniewski, M., Pogačar, T., Schürz, C., Strauch, M., Tóth (Szabó), B., & **F. Witing** (2022): Bias-corrected EURO-CORDEX RCM simulations for the OPTAIN case studies (Version v4) [Dataset]. Zenodo.
<https://doi.org/10.5281/zenodo.6202062>
6. Franko, U., **Witing, F.** & M. Volk (2014): Soil associations, soil mapping units and carbon demand index values in Thuringia, Saxony-Anhalt and Saxony [Dataset]. *figshare*.
<https://doi.org/10.6084/m9.figshare.1157387.v2>

Contributions to Conferences and Workshops

1. Zuo, L., Liu, G., Su, X., Volk, M., **Witing, F.**, Wan, L., Zheng, S. & K. Luo (2026): Optimizing cropping patterns under emission reduction constraints: Balancing food production, carbon sequestration, and profit. *EGU General Assembly 2026*. 03. – 08. May 2026, Vienna, Austria, EGU26-6627, [Abstract \(DOI\)](#)
2. Volk, M., Amorsi, N., Bokal, S., Čerkasova, N., Cvejić, R., Farkas, C., Fribourg-Blanc, B., Fučík, P., Glavan, M., Honzak, L., Krzeminska, D., Lemann, T., Monaco, F., Nemes, A., Nesheim, I., Piniewski, M., Schürz, C., Strauch, M., Szabó, B., **Witing, F.** & C. Wittekind (2025): OPTAIN - Optimal strategies to retain and reuse water and nutrients in small agricultural catchments. *LuWQ2025 - International Interdisciplinary Conference on Land Use and Water Quality*. 03. – 06. June 2025, Aarhus (Denmark); [Book of Abstracts: 43](#); [pdf presentation](#); [Zenodo \(DOI\)](#)
3. Strauch, M., Wittekind, C., Schürz, C., **Witing, F.** & M. Volk (2025): Optimising the spatial allocation of water and nutrient retention measures in small agricultural catchments. *LuWQ2025 - International Interdisciplinary Conference on Land Use and Water Quality*. 03. – 06. June 2025, Aarhus (Denmark); [Book of Abstracts: 69](#); [pdf presentation](#); [Conference Programme](#)
4. Kassai, P., Szabó, S., Schürz, C., Farkas, C., Piniewski, M., Eini, M., Braun, P., Shore, M., Sanguanini, L., Chiaradia, E.A., Eichenberger, J., Plunge, S., **Witing, F.**, Volk, M. & M. Strauch (2025): Assessing the effects of conservation tillage practices on water, nutrient, and sediment retention in seven European case studies using SWAT+. *LuWQ2025 - International Interdisciplinary Conference on Land Use and Water Quality*. 03. – 06. June 2025, Aarhus (Denmark); [Conference Programme](#)
5. **Witing, F.** (2025): NSWRLs related research projects [session moderator] // *Regional dialogues as part of the OPTAIN project. Regional Conference on Combating Desertification and Drought: Enhancing Agricultural Resilience to Extreme Weather Events through Natural/Small Water Retention Measures*. 22.05.2025, Budapest (Hungary); [Conference Programme](#); [OPTAIN Website Article](#)
6. **Witing, F.**, Strauch, M. & M. Volk (2025): Introduction of the OPTAIN project. // Case study talks: from problem to solution – optimally places catchment measures. *42nd ICPDR Pollution Management Expert Group and 20th Nutrients Task Group Meeting*. 23. – 25. April 2025, Sarajevo (Bosnia & Herzegovina). [GWP CEE Website Article](#); [OPTAIN Website Article](#)
7. Volk, M., Nesheim, I., Lemann, T., Szabó, B., Piniewski, M., Strauch, M., Cvejić, R., Amorsi, N. & **F. Witing** (2025): OPTAIN - Optimale Strategien zur Wasser- und Nährstoffretention in kleinen, vorwiegend landwirtschaftlich genutzten Einzugsgebieten in Europa. *Tag der Hydrologie 2025*. 20.03.2025, Augsburg (Germany). ([Conference Programme](#)); [Tagungsband](#)
8. Piniewski, M., Strauch, M., Plunge, S., Schürz, C., Čerkasova, N., Chiaradia, E. & **F. Witing** (2024): Application of a new, scripted SWAT+ modelling workflow in 14 small agricultural catchments in Europe: from input data to scenario output. *2024 International SWAT Conference*, 08. - 12. July 2024, Strasbourg (France), [Book of Abstracts](#); [pdf presentation](#); [Zenodo \(DOI\)](#)
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Supervision and Mentoring of Theses and Student Internships

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Supervision of Students (Internships, PhD Scholarships)

Lingli Zuo, Aurélie Loury, Jürgen Knauer, Franz Radon, Jan Watzema

Advisory Boards

- Landesamt ist die für Umwelt, Naturschutz, Landwirtschaft, Gartenbau, Geologie und den ländlichen Raum (LfULG): Projekt „Wasserrückhalt in der Fläche“ (2026-2029)

Reviewer activities for scientific journals:

- Journal of Hydrology: Regional Studies (Elsevier)
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