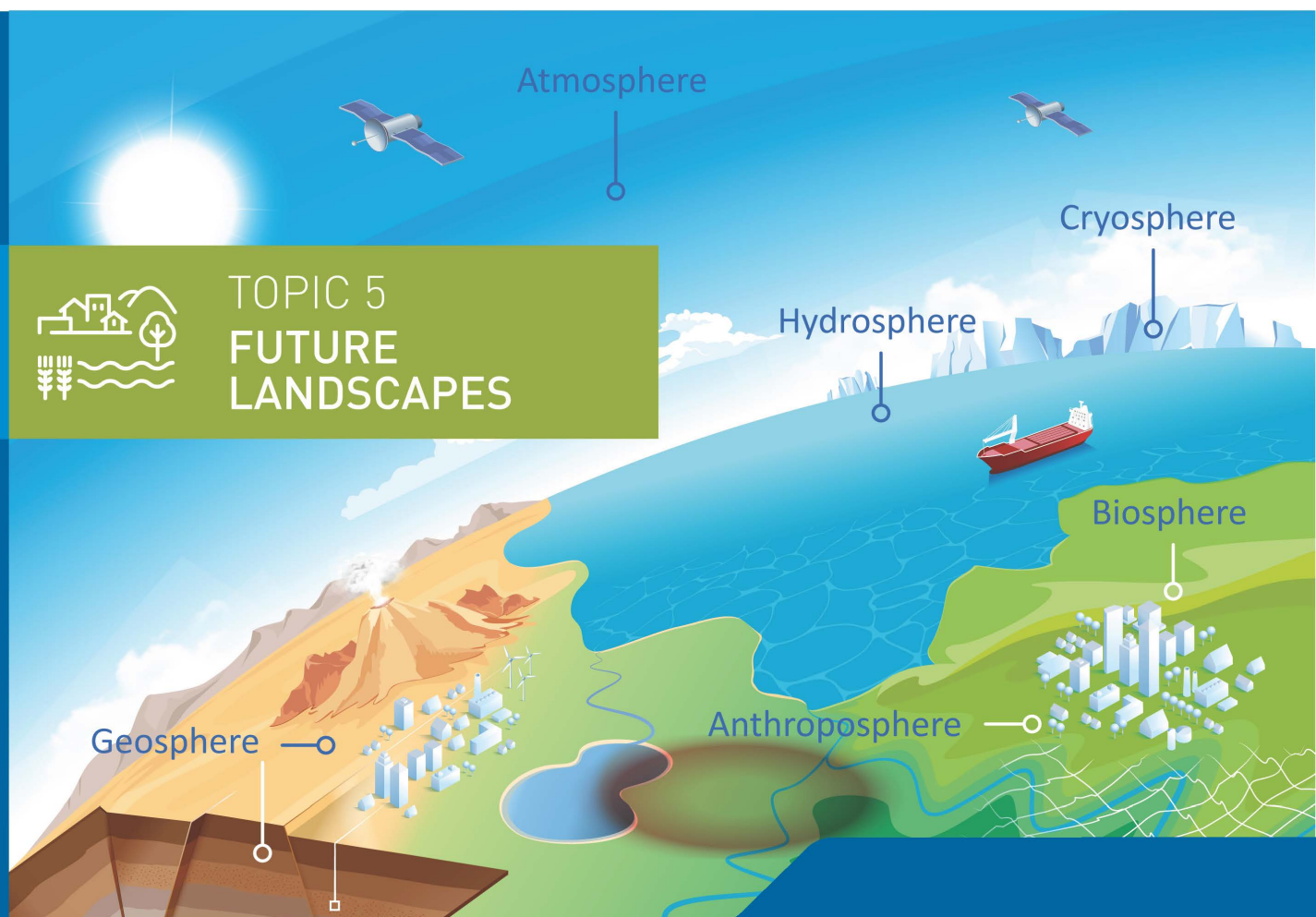




## Publications

Helmholtz Centre for Environmental Research – UFZ

Topic 5: Landscapes of the Future: Securing Terrestrial Ecosystems and Freshwater Resources under Natural Dynamics and Global Change

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## Preface

This list includes all publications of the year 2023 assigned to program topic 5 “Landscapes of the Future: Securing Terrestrial Ecosystems and Freshwater Resources under Natural Dynamics and Global Change” of the Helmholtz research program "Changing Earth – Sustaining our Future" within the research field Earth and Environment which were authored, co-authored or edited by staff members of the Helmholtz Centre for Environmental Research - UFZ.

If a publication belongs to more than one program topic, both primary and secondary assignments are indicated.

The editorial deadline for this publication list was 31 January 2024.

In contrast to external authors, UFZ staff names are highlighted in **bold type** in all publications.

The concluding index lists all UFZ authors in alphabetical order with the sequential numbers of their publications.

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## Publications in ISI/Scopus listed journals/series

1. Aallam, Y., Dhiba, D., El Rasafi, T., Abbas, Y., Haddioui, A., **Tarkka, M.**, Hamdali, H. (2023):  
Assessment of two endemic rock phosphate solubilizing *Streptomyces* spp. on sugar beet (*Beta vulgaris* L.) growth under field conditions  
*Sci. Hortic.* **316** , art. 112033
2. **Abbas, G., Jomaa, S.**, Bronstert, A., **Rode, M.** (2023):  
Downstream changes in riverbank sediment sources and the effect of catchment size  
*J. Hydrol.* **46** , art. 101340
3. Adrian, R., Gsell, A.S., **Shatwell, T., Scharfenberger, U.** (2023):  
Linking theory with empirical data: Improving prediction through mechanistic understanding of lake ecosystem complexity under global change  
*Fundam. Appl. Limnol.* **196** (3-4), 179 - 194
4. **Al Nagggar, Y.**, Shafiey, H., Paxton, R.J. (2023):  
Transcriptomic responses underlying the high virulence of black queen cell virus and sacbrood virus following a change in their mode of transmission in honey bees (*Apis mellifera*)  
*Viruses* **15** (6), art. 1284
5. Alarcón-Segura, V., Roilo, S., **Paulus, A., Beckmann, M.**, Klein, N., Cord, A.F. (2023):  
Farm structure and environmental context drive farmers' decisions on the spatial distribution of ecological focus areas in Germany  
*Landsc. Ecol.* **38** (9), 2293 - 2305
6. **Albracht, C.**, Eisenhauer, N., Vogel, A., Wagg, C., **Buscot, F.**, Heintz-Buschart, A. (2023):  
Effects of recurrent summer droughts on arbuscular mycorrhizal and total fungal communities in experimental grasslands differing in plant diversity and community composition  
*Front. Soil Sci.* **3** , art. 1129845
7. Alsafadi, K., Bi, S., Bashir, B., **Sharifi, E.**, Alsalman, A., Kumar, A., Shahid, S. (2023):  
High-resolution precipitation modeling in complex terrains using hybrid interpolation techniques: Incorporating physiographic and MODIS cloud cover influences  
*Remote Sens.* **15** (9), art. 2435
8. Alston, J.M., Fleming, C.H., Kays, R., Streicher, J.P., Downs, C.T., Ramesh, T., Reineking, B., **Calabrese, J.M.** (2023):  
Mitigating pseudoreplication and bias in resource selection functions with autocorrelation-informed weighting  
*Methods Ecol. Evol.* **14** (2), 643 - 654

9. **Altdorff, D., Oswald, S.E., Zacharias, S., Zengerle, C., Dietrich, P., Mollenhauer, H., Attinger, S., Schrön, M.** (2023):  
Toward large-scale soil moisture monitoring using rail-based cosmic ray neutron sensing  
*Water Resour. Res.* **59** (3), e2022WR033514
  
10. Amano, T., Berdejo-Espinola, V., Akasaka, M., de Andrade Junior, M.A.U., Blaise, N., Checco, J., Çilingir, F.G., Citegetse, G., Tor, M.C., Drobniak, S.M., Giakoumi, S., **Golivets, M.**, Ion, M.C., Jara-Díaz, J.P., Katayose, R., Lasmana, F.P.S., Lin, H.-Y., Lopez, E., Mikula, P., Morales-Barquero, L., Mupepele, A.-C., Narváez-Gómez, J.P., Nguyen, T.H., Nogueira Lisboa, S., Nuñez, M.A., Pavón-Jordán, D., Pottier, P., Prescott, G.W., Samad, F., Šćiban, M., Seo, H.-M., Shinoda, Y., Vajna, F., Vozykova, S., Walsh, J.C., Wee, A.K.S., Xiao, H., Zamora-Gutierrez, V. (2023):  
The role of non-English-language science in informing national biodiversity assessments  
*Nat. Sustain.* **6** (7), 845 - 854
  
11. Amano, T., Ramírez-Castañeda, V., Berdejo-Espinola, V., Borokini, I., **Chowdhury, S., Golivets, M.**, González-Trujillo, J.D., Montaña-Centellas, F., Paudel, K., White, R.L., Veríssimo, D. (2023):  
The manifold costs of being a non-native English speaker in science  
*PLoS Biol.* **21** (7), e3002184
  
12. An, L., **Grimm, V.**, Bai, Y., Sullivan, A., Turner II, B.L., Malleson, N., Heppenstall, A., Vincenot, C., Robinson, D., Ye, X., Liu, J., Lindkvist, E., Tang, W. (2023):  
Modeling agent decision and behavior in the light of data science and artificial intelligence  
*Environ. Modell. Softw.* **166** , art. 105713
  
13. **Anees, M.M., Banzhaf, E.**, Wang, J., Joshi, P.K. (2023):  
Quality index approach for analysis of urban green infrastructure in Himalayan cities  
*Land* **12** (2), art. 279
  
14. Antonenko, M., **Dushkova, D.**, Krasovskaya, T. (2023):  
Urban forests in megacities from the perspective of ecosystem services using the Timiryazevsky Forest Park, Moscow, as a case study  
In: Breuste, J., Artmann, M., Ioja, C., Qureshi, S. (eds.)  
*Making green cities: Concepts, challenges and practice*  
Cities and Nature  
Springer, Cham, p. 197 - 214

15. Arévalo-Martínez, D.L., Haroon, A., Bange, H.W., Erkul, E., Jegen, M., Moosdorf, N., Schneider von Deimling, J., Berndt, C., Böttcher, M.E., Hoffmann, J., Liebetrau, V., **Mallast, U.**, Massmann, G., Micallef, A., Michael, H.A., **Paasche, H.**, Rabbel, W., Santos, I., Scholten, J., Schwalenberg, K., Szymczycha, B., Thomas, A.T., Virtasalo, J.J., Waska, H., Weymer, B.A. (2023): Ideas and perspectives: Land–ocean connectivity through groundwater  
*Biogeosciences* **20** (3), 647 - 662
16. **Attermeyer, K., Anlanger, C., Weitere, M., Kamjunke, N., Brauns, M.** (2023): Benthic metabolism and nutrient uptake vary with geomorphology and season in a lowland river  
*Freshw. Sci.* **42** (1), 58 - 69
17. **Ayeh, D.** (2023): Struggles over resource decentralisation: legislative reform, corporate resistance and canadian aid partnerships in Burkina Faso  
In: Calvão, F., Archer, M., Benya, A. (eds.)  
*The lives of extraction*  
International Development Policy (Revue internationale de politique de développement) *15*  
Brill, Leiden, p. 127 - 149
18. **Baaken, M.C., Bartkowski, B., Rode, J.** (2023): Exploring farmers' support needs for the adoption of agri-environmental practices: an application of the theoretical domains framework  
*Environ. Res. Commun.* **5** (11), art. 111004
19. **Bahlburg, D., Hüppe, L., Böhrer, T., Thorpe, S.E., Murphy, E.J., Berger, U., Meyer, B.** (2023): Plasticity and seasonality of the vertical migration behaviour of Antarctic krill using acoustic data from fishing vessels  
*R. Soc. Open Sci.* **10** (9), art. 230520
20. **Bahlburg, D., Thorpe, S.E., Meyer, B., Berger, U., Murphy, E.J.** (2023): An intercomparison of models predicting growth of Antarctic krill (*Euphausia superba*): The importance of recognizing model specificity  
*PLOS One* **18** (7), e0286036

21. Bakker, J.D., Price, J.N., Henning, J.A., Batzer, E.E., Ohlert, T.J., Wainwright, C.E., Adler, P.B., Alberti, J., Arnillas, C.A., Biederman, L.A., Borer, E.T., Brudvig, L.A., Buckley, Y.M., Bugalho, M.N., Cadotte, M.W., Caldeira, M.C., Catford, J.A., Chen, Q., Crawley, M.J., Daleo, P., Dickman, C.R., Donohue, I., DuPre, M.E., Ebeling, A., Eisenhauer, N., Fay, P.A., Gruner, D.S., Haider, S., Hautier, Y., Jentsch, A., Kirkman, K., Knops, J.M.H., Lannes, L.S., MacDougall, A.S., McCulley, R.L., Mitchell, R.M., Moore, J.L., Morgan, J.W., Mortensen, B., Venterink, H.O., Peri, P.L., Power, S.A., Prober, S.M., **Roscher, C.**, Sankaran, M., Seabloom, E.W., Smith, M.D., Stevens, C., Sullivan, L.L., Tedder, M., Veen, G.F.C., Virtanen, R., Wardle, G.M. (2023):  
Compositional variation in grassland plant communities  
*Ecosphere* **14** (6), e4542
  
22. Banari, A., **Hertel, D., Schlink, U.**, Hampel, U., Lecrivain, G. (2023):  
Simulation of particle resuspension by wind in an urban system  
*Environ. Fluid Mech.* **23** (1), 41 - 63
  
23. **Bao, K., Thrän, D.**, Schröter, B. (2023):  
Land resource allocation between biomass and ground-mounted PV under consideration of the food–water–energy nexus framework at regional scale  
*Renew. Energy* **203** , 323 - 333
  
24. Bao, Q., Liu, C., **Friese, K., Dadi, T.**, Yu, J., Fan, C., **Shen, Q.** (2023):  
Understanding the heavy metal pollution pattern in sediments of a typical small- and medium-sized reservoir in China  
*Int. J. Environ. Res. Public Health* **20** (1), art. 708
  
25. Barresi Armoa, O.L., Sauvage, S., Houska, T., Bieger, K., **Schürz, C.**, Sánchez Pérez, J.M. (2023):  
Representation of hydrological components under a changing climate—A case study of the Uruguay River Basin using the new version of the Soil and Water Assessment Tool model (SWAT+)  
*Water* **15** (14), art. 2604
  
26. **Bartkowski, B., Beckmann, M.**, Bednář, M., Biffi, S., Domingo-Marimon, C., Mesaroš, M., **Schübler, C.**, Šarapatka, B., Tarčak, S., Václavík, T., Ziv, G., **Wittstock, F.** (2023):  
Adoption and potential of agri-environmental schemes in Europe: Cross-regional evidence from interviews with farmers  
*People Nat.* **5** (5), 1610 - 1621
  
27. **Bartkowski, B., Lienhoop, N., Mahlich, L., Massenberg, J.R.** (2023):  
Are preferences for soil-based ecosystem services driven by spatial phenomena?  
*Soil Security* **13** , art. 100120

28. **Bartkowski, B.,** Schepanski, K., **Bredenbeck, S., Müller, B.** (2023):  
Wind erosion in European agricultural landscapes: More than physics  
*People Nat.* **5** (1), 34 - 44
  
29. **Basso, S., Merz, R., Tarasova, L., Miniussi, A.** (2023):  
Extreme flooding controlled by stream network organization and flow regime  
*Nat. Geosci.* **16** (4), 339 - 343
  
30. Bastos, A., Sippel, S., Frank, D., **Mahecha, M.D.,** Zaehle, S., **Zscheischler, J.,**  
Reichstein, M. (2023):  
A joint framework for studying compound ecoclimatic events  
*Nat. Rev. Earth Environ.* **4** (5), 333 - 350
  
31. Becker, A.M., Masson, T., **Helbig, C., Mohamdeen, A., Schlink, U.** (2023):  
Wearable sensors increase perceived environmental health threat in cyclists and  
pedestrians: A randomized field study  
*J. Transp. Health* **32** , art. 101660
  
32. Becker, R., Schüth, C., **Merz, R.,** Khaliq, T., Usman, M., aus der Beek, T., **Kumar, R.,**  
Schulz, S. (2023):  
Increased heat stress reduces future yields of three major crops in Pakistan's Punjab  
region despite intensification of irrigation  
*Agric. Water Manage.* **281** , art. 108243
  
33. **Bei, Q., Reitz, T., Schnabel, B.,** Eisenhauer, N., **Schädler, M., Buscot, F.,**  
Heintz-Buschart, A. (2023):  
Extreme summers impact cropland and grassland soil microbiomes  
*ISME J.* **17** (10), 1589 - 1600
  
34. Benard, P., Bachmann, J., Zarebanadkouki, M., **Schlüter, S., Blaser, S.R.G.A.,** Kaestner,  
A., Carminati, A. (2023):  
Variations in pore size and contact angle distributions control rhizosphere rewetting  
*Geoderma* **437** , art. 116576
  
35. **Benra, F.,** Nahuelhual, L., **Felipe-Lucia, M.R., Oh, R.R.Y., Kachler, J., Bonn, A.**  
(2023):  
Mismatches in the ecosystem services-wellbeing nexus: a case study for Chilean  
Patagonia  
*Ecosyst. People* **19** (1), art. 2224448
  
36. **Ben-Salem, N.,** Reinecke, R., Coptý, N.K., Gómez-Hernández, J.J., Varouchakis,  
E.A., Karatzas, G.P., **Rode, M., Jomaa, S.** (2023):  
Mapping steady-state groundwater levels in the Mediterranean region: The Iberian  
Peninsula as a benchmark  
*J. Hydrol.* **626, Part A** , art. 130207

37. Bergamo, P.J., Rito, K.F., Viana, B.F., Garcia, E., Lughadha, E.N., Maués, M.M., Rech, A.R., Silva, F.D.S., Varassin, I.G., Agostini, K., Marques, M.C.M., Maruyama, P.K., Ravena, N., Garibaldi, L.A., **Knight, T.M.**, Oliveira, P.E.A.M., Oppata, A.K., Saraiva, A.M., Tambosi, L.R., Tsukahara, R.Y., Freitas, L., Wolowski, M. (2023): Integrating public engagement to intensify pollination services through ecological restoration  
*iScience* **26** (8), art. 107276
38. Bertuol-Garcia, D., **Ladouceur, E.**, Brudvig, L.A., Laughlin, D.C., Munson, S.M., Curran, M.F., Davies, K.W., Svejcar, L.N., Shackelford, N. (2023): Testing the hierarchy of predictability in grassland restoration across a gradient of environmental severity  
*Ecol. Appl.* **33** (8), e2922
39. Beugnon, R., Bu, W., Bruelheide, H., Davrinche, A., Du, J., Haider, S., Kunz, M., von Oheimb, G., Perles-Garcia, M.D., Saadani, M., Scholten, T., Seitz, S., **Singavarapu, B.**, Trogisch, S., Wang, Y., **Wubet, T.**, Xue, K., Yang, B., Cesarz, S., Eisenhauer, N. (2023): Abiotic and biotic drivers of tree trait effects on soil microbial biomass and soil carbon concentration  
*Ecol. Monogr.* **93** (2), e1563
40. Beugnon, R., Eisenhauer, N., Bruelheide, H., Davrinche, A., Du, J., Haider, S., Hähn, G., Saadani, M., **Singavarapu, B.**, Sünemann, M., Thouvenot, L., Wang, Y., **Wubet, T.**, Xue, K., Cesarz, S. (2023): Tree diversity effects on litter decomposition are mediated by litterfall and microbial processes  
*Oikos* **2023** (10), e09751
41. Beute, F., **Marselle, M.R.**, Olszewska-Guizzo, A., Andreucci, M.B., Lammel, A., Davies, Z.G., Glanville, J., Keune, H., O'Brien, L., Remmen, R., Russo, A., de Vries, S. (2023): How do different types and characteristics of green space impact mental health? A scoping review  
*People Nat.* **5** (6), 1839 - 1876
42. **Bevacqua, E.**, Suarez-Gutierrez, L., Jézéquel, A., Lehner, F., Vrac, M., Yiou, P., **Zscheischler, J.** (2023): Advancing research on compound weather and climate events via large ensemble model simulations  
*Nat. Commun.* **14**, art. 2145
43. **Bezama, A.** (2023): Measuring circularity: A (still) ongoing methodological challenge. Editorial  
*Waste Manage. Res.* **41** (5), 953 - 954

44. **Bezama, A.** (2023):  
The need of a stronger synergy of social and engineering sciences to pave the way for a sustainable circular economy. Editorial  
*Waste Manage. Res.* **41** (12), 1697 - 1698
45. Bieroza, M., Acharya, S., Benisch, J., ter Borg, R.N., Hallberg, L., Negri, C., Pruitt, A., Pucher, M., **Saavedra, F.**, Staniszewska, K., van't Veen, S.G.M., Vincent, A., **Winter, C.**, Basu, N.B., Jarvie, H.P., Kirchner, J.W. (2023):  
Advances in catchment science, hydrochemistry, and aquatic ecology enabled by high-frequency water quality measurements  
*Environ. Sci. Technol.* **57** (12), 4701 - 4719
46. Birkmann, J., Schüttrumpf, H., Handmer, J., Thieken, A., **Kuhlicke, C.**, Truedinger, A., Sauter, H., Klopries, E.-M., Greiving, S., Jamshed, A., Merz, B., Solecki, W., Kirschbauer, L. (2023):  
Strengthening resilience in reconstruction after extreme events – Insights from flood affected communities in Germany  
*Int. J. Disaster Risk Reduct.* **96**, art. 103965
47. Bischoff, A.A., Kubitz, M., Ballesteros-Redondo, L., Stüeken, M., Rapp, T., **Fink, P.**, Hagen, W., Palm, H.W. (2023):  
Dynamics of fatty acids in pikeperch (*Sander lucioperca*) larvae and juveniles during early rearing and weaning in a commercial RAS—Implications for dietary refinement  
*Fishes* **8** (9), art. 444
48. **Blagodatskaya, E.**, Tebbe, C.C., Joschko, M. (2023):  
Obituary Klaus Domsch: 28 January 1926–25 February 2022  
*Soil Biol. Biochem.* **185**, art. 109148
49. Blümel, L., Siegfried, K., Riedel, F., **Thrän, D.** (2023):  
Are strategy developers well equipped when designing sustainable supply chains for a circular bio-economy? Supporting innovations' market uptake in a PESTEL + I environment  
*Energy Sustain. Soc.* **13**, art. 40
50. Boenigk, J., Beisser, D., Franke, L., Klar, L., Ilić, M., **Fink, P.** (2023):  
Differences in pigment composition and concentration between phototrophic, mixotrophic, and heterotrophic Chrysophyceae  
*Fottea* **23** (2), 223 - 234

51. Boezeman, D., de Pue, D., Graversgaard, M., **Möckel, S.** (2023):  
Less livestock in north-western Europe? Discourses and drivers behind livestock buyout policies. Moins de bétail dans le nord-ouest de l'Europe ? Discours et facteurs influençant les politiques de rachat de bétail. Geringere Viehbestände in Nordwesteuropa? Diskussionen und Beweggründe für staatliche Aufkaufprogramme von Vieh  
*EurChoices* **22** (2), 4 - 12
52. Boico, V.F., Therrien, R., **Fleckenstein, J.H., Nogueira, G., Iversen, B.V., Petersen, R.J.** (2023):  
3D surface-subsurface modeling of a bromide tracer test in a macroporous tile-drained field: Improvements and limitations  
*Soil Sci. Soc. Am. J.* **87** (3), 462 - 484
53. **Bolte, L., Goudarzi, F., Klenke, R., Steinfartz, S., Grimm-Seyfarth, A., Henle, K.** (2023):  
Habitat connectivity supports the local abundance of fire salamanders (*Salamandra salamandra*) but also the spread of *Batrachochytrium salamandrivorans*  
*Landsc. Ecol.* **38** (6), 1537 - 1554
54. **Bonato, M., Martin, E.A., Cord, A.F., Seppelt, R., Beckmann, M., Strauch, M.** (2023):  
Applying generic landscape-scale models of natural pest control to real data: Associations between crops, pests and biocontrol agents make the difference  
*Agric. Ecosyst. Environ.* **342**, art. 108215
55. **Borriero, A., Kumar, R., Nguyen, V.T., Fleckenstein, J.H., Lutz, S.R.** (2023):  
Uncertainty in water transit time estimation with StorAge Selection functions and tracer data interpolation  
*Hydrol. Earth Syst. Sci.* **27** (15), 2989 - 3004
56. **Borrmann, P., Brandt, P., Gerighausen, H.** (2023):  
MISPEL: A multi-crop spectral library for statistical crop trait retrieval and agricultural monitoring  
*Remote Sens.* **15** (14), art. 3664
57. **Borsdorf, H., Bentele, M., Müller, M., Rebmann, C., Mayer, T.** (2023):  
Comparison of seasonal and diurnal concentration profiles of BVOCs in coniferous and deciduous forests  
*Atmosphere* **14** (9), art. 1347

58. Bottero, I., **Dominik, C., Schweiger, O.**, Albrecht, M., Attridge, E., Brown, M.J.F., Cini, E., Costa, C., De la Rúa, P., de Miranda, J.R., di Prisco, G., Dzul Uuh, D., Hodge, S., Ivarsson, K., Knauer, A.C., Klein, A.-M., Mänd, M., Martínez-López, V., Medrzycki, P., Pereira-Peixoto, H., Potts, S., Raimets, R., Rundlöf, M., Schwarz, J.M., Senapathi, D., Tamburini, G., Talavan, E.T., Stout, J.C. (2023):  
Impact of landscape configuration and composition on pollinator communities across different European biogeographic regions  
*Front. Ecol. Evol.* **11** , art. 1128228
  
59. Boyen, J., Ribes-Navarro, A., Kabeya, N., Monroig, O., Rigaux, A., **Fink, P.**, Hablützel, P., Navarro, J.C., De Troch, M. (2023):  
Functional characterization reveals a diverse array of metazoan fatty acid biosynthesis genes  
*Mol. Ecol.* **32** (4), 970 - 982
  
60. **Brizuela-Torres, D.**, Villavicencio-García, R., Ruiz-Corral, J.A., Cuervo-Robayo, A.P. (2023):  
Effects of climate change on the potential distribution of a dominant, widely distributed oak species, *Quercus candicans*, in Mexico  
*Atmosfera* **37** , 455 - 473
  
61. Bröcher, M., Ebeling, A., Hertzog, L., **Roscher, C.**, Weisser, W., Meyer, S.T. (2023):  
Effects of plant diversity on species-specific herbivory: patterns and mechanisms  
*Oecologia* **201** (4), 1053 - 1066
  
62. Bucher, S.F., Uhde, L., Weigelt, A., Cesarz, S., Eisenhauer, N., Gebler, A., Kyba, C., Römermann, C., **Shatwell, T.**, Hines, J. (2023):  
Artificial light at night decreases plant diversity and performance in experimental grassland communities  
*Philos. Trans. R. Soc. B-Biol. Sci.* **378** (1892), art. 20220358
  
63. **Burian, A.**, Bruce, K., Tovela, E., Bakker, J., Balcells, L., Bennett, R., Chordekar, S., Costa, H.M., Crampton-Platt, A., de Boer, H., Ross-Gillespie, V., de Sacramento, A., Sidat, N., Simbine, L., Ready, J., Tang, C., Mauvisseau, Q. (2023):  
Merging two eDNA metabarcoding approaches and citizen-science-based sampling to facilitate fish community monitoring along vast Sub-Saharan coastlines  
*Mol. Ecol. Resour.* **23** (7), 1641 - 1655
  
64. **Burian, A.**, Gruber-Dorninger, M., Schweichart, J., Yasindi, A., Bulling, M., Jirsa, F., Winter, C., Muia, A.W., Schagerl, M. (2023):  
Drivers of microbial food-web structure along productivity gradients  
*Proc. R. Soc. B-Biol. Sci.* **290** (2009), art. 20231531

65. **Burian, A.**, Norton, B.A., Alston, D., Willmot, A., Reynolds, S., Meynell, G., Lynch, P., Bulling, M. (2023):  
Low-cost management interventions and their impact on multi-level trade-offs in agricultural grasslands  
*J. Appl. Ecol.* **60** (10), 2079 - 2090
  
66. Burrascano, S., Chianucci, F., Trentanovi, G., Kepfer-Rojas, S., Sitzia, T., Tinya, F., Doerfler, I., Paillet, Y., Nagel, T.A., Mitic, B., Morillas, L., Munzi, S., van der Sluis, T., **Buscot, F.**, Byriel, D.B., et al. (2023):  
Where are we now with European forest multi-taxon biodiversity and where can we head to?  
*Biol. Conserv.* **284**, art. 110176
  
67. **Büttner, L.**, Barning, L. (2023):  
A situated governmentality approach to energy transitions: technologies of power in German and Indian smart grid strategies  
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**Publisher**

Helmholtz Centre for Environmental Research - UFZ

Permoserstraße 15  
04318 Leipzig  
Germany  
[www.ufz.de](http://www.ufz.de)

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