

JOURNAL ARTICLES

1. Dittrich, A., Roilo, S., Sonnenschein, R., Cerrato, C., Ewald, M., Viterbi, R., **Cord, A.F.** (2020): Modelling distributions of rove beetles in mountainous areas using remote sensing data, *Remote Sensing*, 12, 80. <https://www.mdpi.com/2072-4292/12/1/80>
2. Hölting, L., Jacobs, S., Felipe-Lucis, M., Maes, J., Norström, A.V., Plieninger, T., **Cord, A.F.** (2019): Measuring ecosystem multifunctionality across scales, *Environmental Research Letters*, 14, 124083. <https://iopscience.iop.org/article/10.1088/1748-9326/ab5ccb>
3. Strauch, M., **Cord, A.F.**, Pätzold, C., Lautenbach, S., Kaim, A., Schweitzer, C., Seppelt, R., Volk, M. (2019): Constraints in multi-objective optimization of land use allocation – Repair or penalize? *Environmental Modelling & Software*, 118, 241-251. https://www.sciencedirect.com/science/article/pii/S1364815218311204?dgcid=rss_sd_all
4. Karner, K., **Cord, A.F.**, Hagemann, N., Holzkämper, A., Jeangros, B., Lienhoop, N., Nitsch, H., Rivas, D., Schmid, E., Schulp, C.J.E., Strauch, M., van der Zanden, E.H., Volk, M., Willaarts, B., Zarineh, N., Schönhart, M. (2019): Developing stakeholder-driven scenarios on land sharing and land sparing - insights from five European case studies. *Journal of Environmental Management*, 241, 488-500. <https://www.sciencedirect.com/science/article/pii/S0301479719303536>
5. Hölting, L., Beckmann, M., Volk, M., **Cord, A.F.** (2019): Multifunctionality assessments – More than assessing multiple ecosystem functions and services? A quantitative literature review. *Ecological Indicators*, 103, 226-235. <https://www.sciencedirect.com/science/article/abs/pii/S1470160X19302559>
6. Karner, K., **Cord, A.F.**, Hagemann, N., Holzkämper, A., Jeangros, B., Lienhoop, N., Nitsch, H., Rivas, D., Schmid, E., Schulp, C.J.E., Strauch, M., van der Zanden, E.H., Volk, M., Willaarts, B., Zarineh, N., Schönhart, M. (in press): Developing stakeholder-driven scenarios on land sharing and land sparing - insights from five European case studies. *Journal of Environmental Management*. <https://www.sciencedirect.com/science/article/pii/S0301479719303536>
7. Ramirez-Reyes, C., Chaplin-Kramer, R., Adamo, S.A., Anderson, C.B., Anderson, C., Allington, G.R., Bagstad, K.J., Coe, M.T., **Cord, A.F.**, Dee, L.E., Gould, R.K., Jain, M., Kowal, V.A., Muller-Karger, F., Norriss, J., Potapov, P., Qiu, J., Rieb, J.T., Robinson, R.E., Samberg, L.H., Singh, N., Szeto, S.H., Voigt, B., Watson, K., Wright, T.M.: Reimagining the Potential of Earth Observations for Ecosystem Services Assessment. *Science of the Total Environment*, 665, 1053-1063. <https://www.sciencedirect.com/science/article/pii/S0048969719306382>
8. Gobeyn, S., Mouton, A.M., **Cord, A.F.**, Kaim, A., Volk, M., Geithals, P.L.M. (2019): Evolutionary algorithms for species distribution modelling: a review in the context of machine learning. *Ecological Modelling*, 392, 179-195. <https://www.sciencedirect.com/science/article/pii/S0304380018304010?dgcid=coauthor>
9. Pasetto, D., Arenas-Castro, S., Bustamante, J., Casagrandi, R., Chrysoulakis, N., **Cord, A. F.**, Dittrich, A., Domingo, C., El Serafy, G., Karnieli, A., Kordelas, G., Manakos, I., Mari, L., Monteiro, A., Palazzi, E., Poursanidis, D., Rinaldo, A., Terzago, S., Ziemba, A., Ziv, G. (2018). Integration of satellite remote sensing data in ecosystem modelling at local scales: practices and trends. *Methods in Ecology and Evolution*, 9(8), 1810-1821. <https://besjournals.onlinelibrary.wiley.com/doi/10.1111/2041-210X.13018>
10. Kaim, A., **Cord, A. F.**, Volk, M. (2018): A review of multi-criteria optimization techniques for agricultural land use allocation. *Environmental Modelling & Software*, 105, 79-93. <https://www.sciencedirect.com/science/article/pii/S1364815217309970>

11. Ziv, G., Hassall, C., Bartkowski, B., **Cord, A.F.**, Kaim, A., Kalamandeen, M., Landaverde-González, P., Melo, J.L.B., Seppelt, R., Shannon, C., Václavík, T., Zoderer, B.A., Beckmann, M. (2018). A bird's eye view over ecosystem services in Natura 2000 sites across Europe. *Ecosystem Services*, 30, 287-298.
<http://www.sciencedirect.com/science/article/pii/S2212041617302292>
12. Dittrich, A., Seppelt, R., Václavík, T., **Cord, A.F.** (2017). Integrating ecosystem service bundles and socio-environmental conditions – A national scale analysis from Germany. *Ecosystem Services*, 28, 273-282.
<http://www.sciencedirect.com/science/article/pii/S2212041616303734>
13. **Cord, A.F.**, Bartkowski, B., Beckmann, M., Dittrich, A., Hermans-Neumann, K., Kaim, A., Lienhoop, N., Locher-Krause, K., Priess, J., Schröter-Schlaack, C., Schwarz, N., Seppelt, R., Strauch, M., Václavík, T., Volk, M. (2017). Towards systematic analyses of ecosystem service trade-offs and synergies: Main concepts, methods and the road ahead. *Ecosystem Services*, 28, 264-272. <http://www.sciencedirect.com/science/article/pii/S2212041616303084>
14. Hofmann, S., Everaars, J., Schweiger, O., Frenzel, M., Bannehr, L., **Cord, A.F.** (2017). Modelling patterns of pollinator species richness and diversity using satellite image texture. *PLoS ONE*, 12(10), e0185591.
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0185591>
15. Geijzendorffer, I.R., Cohen-Shacham, E., **Cord, A.F.**, Cramer, W., Guerra, C., Martín-López, B. (2017). Ecosystem services in global sustainability policies. *Environmental Science and Policy*, 74, 40-48. <http://www.sciencedirect.com/science/article/pii/S1462901117300047>
16. **Cord, A.F.**, Brauman, K.A., Chaplin-Kramer, R., Huth, A., Ziv, G., Seppelt, R. (2017). Priorities to advance monitoring of ecosystem services using Earth observation. *Trends in Ecology & Evolution*, 32(6), 416-428.
<http://www.sciencedirect.com/science/article/pii/S0169534717300642>
17. Václavík, T., Beckmann, M., **Cord, A.F.**, Bindewald, A.M. (2017). Effects of UV-B radiation on leaf hair traits of invasive plants - Combining historical herbarium records with novel remote sensing data. *PLoS ONE*, 12(4), e0175671.
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0175671>
18. Dittrich, A., von Wehrden, H., Abson, D.A., Bartkowski, B., **Cord, A.F.**, Fust, P., Hoyer, C., Kambach, S., Meyer, M.A., Radzevičiūtė, R., Nieto-Romero, M., Seppelt, R., Beckmann, M. (2017). Mapping and analysing historical indicators of ecosystem services in Germany. *Ecological Indicators*, 75, 101-110.
<http://www.sciencedirect.com/science/article/pii/S1470160X16306987>
19. Dawson, M.N., Axmacher, J.C., Beierkuhnlein, C., Blois, J., Bradley, B.A., **Cord, A.F.**, Dengler, J., He, K.S., Heaney, L.R., Jansson, R., Mahecha, M.D., Myers, C., Nogués-Bravo, D., Papadopoulou, A., Reu, B., Rodríguez-Sánchez, F., Steinbauer, M.J., Stigall, A., Tuanmu, M.-N., Gavin, D.G. (2016). A second horizon scan of biogeography: Golden ages, Midas touches, and the red queen. *Frontiers of Biogeography*, 8(4), e29770.
<https://escholarship.org/uc/item/8bx638kb>
20. Lausch, A., Bannehr, L., Beckmann, M., Boehm, C., Feilhauer, H., Hacker, J.M., Heurich, M., Jung, A., Klenke, R., Neumann, C., Pause, M., Rocchini, D., Schaepman, M.E., Schmidlein, S., Schulz, K., Selsam, P., Settele, J., Skidmore, A.K., **Cord, A.F.** (2016). Linking Earth Observation and taxonomic, structural and functional biodiversity: Local to ecosystem perspectives. *Ecological Indicators*, 70, 317-339.
<http://www.sciencedirect.com/science/article/pii/S1470160X16303223>
21. Rödder, D., Nekum, S., **Cord, A.F.** & Engler, J.O. (2016). Coupling satellite data with species distribution and connectivity models as a tool for environmental management and planning in

- matrix-sensitive species. *Environmental Management*, 58, 130-143.
<https://link.springer.com/article/10.1007/s00267-016-0698-y>
22. Seppelt, R., Beckmann, M., Ceaşu, S., **Cord, A.F.**, Gerstner, K., Gurevitch, J., Kambach, S., Klotz, S., Mendenhall, C., Phillips, H.R.P., Kristin Powell, Verburg, P.H., Verhagen, W., Winter, M. & Newbold, T. (2016). Harmonizing biodiversity conservation and productivity in the context of increasing demands on landscapes. *BioScience*, 66 (10), 890-896.
<https://academic.oup.com/bioscience/article/66/10/890/2236133/Harmonizing-Biodiversity-Conservation-and>
 23. Karger, D.N., **Cord, A.F.**, Kessler, M., Kreft, H., Kühn, I., Pompe, S., Sandel, B., Sarmiento Cabral, J., Smith, A.B., Svenning, J.-C., Tuomisto, H., Weigelt, P., Wesche, K. (2016). Delineating probabilistic species pools in ecology and biogeography. *Global Ecology and Biogeography*, 25(4), 489-501. <http://onlinelibrary.wiley.com/doi/10.1111/qeb.12422/abstract/>
 24. **Cord, A.F.**, Seppelt, R. & Turner, W. (2015). Sustainable development goals: Monitor ecosystem services from space. *Nature*, 525, 33. <https://www.nature.com/articles/525033a>
 25. He, K.S., Bradley, B.A., **Cord, A.F.**, Rocchini, D., Tuanmu, M.-N., Schmidtlein, S., Turner, W., Wegmann, M. & Pettorelli, N. (2015). Will remote sensing shape the next generation of species distribution models? *Remote Sensing in Ecology and Conservation*, 1(1), 4-18.
<http://onlinelibrary.wiley.com/doi/10.1002/rse2.7/abstract/>
 26. **Cord, A.F.**, Roeßiger, F. & Schwarz, N. (2015). Geocaching data as an indicator for recreational ecosystem services in urban areas: Exploring spatial gradients, preferences and motivations. *Landscape and Urban Planning*, 144, 151-162.
<http://www.sciencedirect.com/science/article/pii/S0169204615001863/>
 27. von Wehrden, H., Abson, D.J., Beckmann, M., **Cord, A.F.**, Klotz, S. & Seppelt, R. (2014). Realigning the land-sharing/land-sparing debate to match conservation needs: considering diversity scales and land-use history. *Landscape Ecology*, 29(6), 941-948.
<https://link.springer.com/article/10.1007%2Fs10980-014-0038-7>
 28. Beckmann, M., Václavík, T., Manceur, A.M., Šprtová, L., von Wehrden, H., Welk, E. & **Cord, A.F.** (2014). glUV: A global UV-B radiation dataset for macroecological studies. *Methods in Ecology and Evolution*, 5(4), 372-383. <http://onlinelibrary.wiley.com/doi/10.1111/2041-210X.12168/abstract>
 29. **Cord, A.F.**, Klein, D., Mora, F. & Dech, S. (2014). Comparing the suitability of classified land cover data and remote sensing variables for modeling distribution patterns of plants, *Ecological Modelling*, 272, 129-140.
<http://www.sciencedirect.com/science/article/pii/S0304380013004407>
 30. **Cord, A.F.**, Klein, D., Gernandt, D.S., Pérez de la Rosa, J.A. & Dech, S. (2014). Remote sensing data can improve predictions of species richness by stacked species distribution models: a case study for Mexican pines, *Journal of Biogeography*, 41(4), 736-748.
<http://www.sciencedirect.com/science/article/pii/S0304380013004407>
 31. **Cord, A.F.**, Meentemeyer, R.K., Leitão, P.J. & Václavík, T. (2013). Modelling species distributions with remote sensing data: bridging disciplinary perspectives, *Journal of Biogeography*, 40(12), 2226-2227. <http://onlinelibrary.wiley.com/doi/10.1111/jbi.12199/abstract>
 32. **Cord, A.** & Rödder, D. (2011). Inclusion of habitat availability in species distribution models through multi-temporal remote sensing data? *Ecological Applications*, 21(8), 3285-3298.
<http://onlinelibrary.wiley.com/doi/10.1890/11-0114.1/abstract>
 33. Hüttich, C., Herold, M., Wegmann, M., **Cord, A.**, Strohbach, B., Schullius, C. & Dech, S. (2011). Assessing effects of temporal compositing and varying observation periods for large-area land-cover mapping in semi-arid ecosystems: Implications for global monitoring. *Remote*

Sensing of Environment, 115(10), 2445-2459.

<http://www.sciencedirect.com/science/article/pii/S0034425711001775>

34. **Cord, A.**, Conrad, C., Schmidt, M. & Dech, S. (2010). Standardized FAO-LCCS land cover mapping in heterogeneous tree savannas of West Africa. *Journal of Arid Environments*, 74(9), 1083-1091. <http://www.sciencedirect.com/science/article/pii/S0140196310000923>
35. Wilting, A.*, **Cord, A.***, Hearn, A., Hesse, D., Mohamed, A., Traeholdt, C., Cheyne, S.M., Sunarto, S., Jayasilan, M.-A., Ross, J., Shapiro, A.C., Sebastian, A., Dech, S., Breitenmoser, C., Sanderson, J., Duckworth, J.W. & Hofer, H. (2010). Modelling the species distribution of flat-headed cats (*Prionailurus planiceps*), an endangered South-East Asian small felid. *PLoS ONE*, 5(3): e9612. <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0009612>
* Equal contribution

CONFERENCE PROCEEDINGS

1. **Cord, A.**, Klein, D. & Dech, S. (2011). The impact of inter-annual variability in remote sensing time series on modeling tree species distributions. MultiTemp, Proceedings of the 6th International Workshop on the Analysis of Multi-Temporal Remote Sensing Images, July 12-14, 2011, Trento/Italy.
2. **Cord, A.**, Klein, D. & Dech, S. (2010). Remote sensing time series for modeling invasive species distribution: A case study of *Tamarix* spp. in the US and Mexico. Proceedings of the International Congress on Environmental Modelling and Software (iEMSs), July 5-8, 2010, Ottawa/Canada.
3. Colditz, R.R., **Cord, A.**, Conrad, C., Mora, F., Maeda, P. & Ressler, R. (2009). Analyzing phenological characteristics of Mexico with MODIS time series products. MultiTemp, Proceedings of the 5th international Workshop on the Analysis of Multi-Temporal Remote Sensing Images, July 28-30, 2009, Mystic, Connecticut/USA.
4. **Cord, A.**, Colditz, R.R., Schmidt, M. & Dech, S. (2009). Species distribution and forest type mapping in Mexico. Proceedings of the IEEE International Geoscience & Remote Sensing Symposium, July 12-17, 2009, Cape Town/South Africa.
5. **Cord, A.**, Schmidt, M. & Dech, S. (2009). Potential and limitations of multi-temporal Earth observation data to improve modeled results of tree species distribution in Mexico. Proceedings of the 33rd International Symposium on Remote Sensing of the Environment, May 4-8, 2009, Stresa/Italy.
6. Machwitz, M., Landmann, T., Conrad, C., **Cord, A.** & Dech, S. (2008). Land cover analysis on sub-continental scale: FAO LCCS standard with 250 meter MODIS satellite observations in West Africa. Proceedings of the IEEE International Geoscience & Remote Sensing Symposium, July 6-11, 2008, Boston/USA.
7. Landmann, T., Vlek, P. J., Schmidt, M., Dech, S. & **Cord, A.** (2007). An object-conditional approach for satellite remote sensing land cover mapping in African Savannas. Proceedings of the Third International Workshop on Image Fusion and Geographic Information Systems, May 21-25, 2007, St. Petersburg/Russia.