Predicting the shifting biogeography of species interactions with machine learning

References

- Caron, Dominique, Luigi Maiorano, Wilfried Thuiller, and Laura J. Pollock. 2022. Addressing the Eltonian shortfall with trait-based interaction models. Ecology Letters 25. Wiley: 889–899. https://doi.org/10.1111/ele.13966.

- **Catchen, Michael D.**, Timothée Poisot, Laura Pollock, and Andrew Gonzalez. 2023. The missing link: discerning true from false negatives when sampling species interaction networks. California Digital Library (CDL). https://doi.org/10.32942/x2dw22.

- Gonzalez, Andrew, Jonathan M. Chase, and Mary I. O'Connor. 2023a. A framework for the detection and attribution of biodiversity change. Philosophical Transactions of the Royal Society B: Biological Sciences 378: 20220182. https://doi.org/10.1098/rstb.2022.0182.

- Gonzalez, Andrew, Petteri Vihervaara, Patricia Balvanera, Amanda E. Bates, Elisa Bayraktarov, Peter J. Bellingham, Andreas Bruder, et al. 2023b. A global biodiversity observing system to unite monitoring and guide action. Nature Ecology & Evolution 7: 1947–1952. https://doi.org/10.1038/s41559-023-02171-0.

- Griffith, Jory, Jean-Michel Lord, **Michael D. Catchen**, Maria Arce-Plata, Manuel Galvez Bohorquez, Matusan Chandramohan, María Camilla Diaz-Corzo, et al. 2024. BON in a Box: An Open and Collaborative Platform for Biodiversity Monitoring, Indicator Calculation, and Reporting. California Digital Library (CDL). https://doi.org/10.32942/x2m320.

- Poisot, Timothée, Ariane Bussières-Fournel, Gabriel Dansereau, and **Michael D. Catchen**. 2025. A Julia toolkit for species distribution data. California Digital Library (CDL). https://doi.org/10.32942/X2405R.

- Pollock, Laura J., Reid Tingley, William K. Morris, Nick Golding, Robert B. O'Hara, Kirsten M. Parris, Peter A. Vesk, and Michael A. McCarthy. 2014. Understanding co-occurrence by modelling species simultaneously with a Joint Species Distribution Model (JSDM</scp>). Edited by Jana McPherson. Methods in Ecology and Evolution 5. Wiley: 397–406. https://doi.org/10.1111/2041-210x.12180.

- Strydom, Tanya, **Michael D. Catchen**, Francis Banville, Dominique Caron, Gabriel Dansereau, Philippe Desjardins-Proulx, Norma R. Forero-Muñoz, et al. 2021. A Roadmap towards Predicting Species Interaction Networks (across Space and Time). Philosophical Transactions of the Royal Society B: Biological Sciences 376. Royal Society: 20210063. https://doi.org/10.1098/rstb.2021.0063.

- Zurell, Damaris, Jane Elith, and Boris Schröder. 2012. Predicting to new environments: tools for visualizing model behaviour and impacts on mapped distributions. Diversity and Distributions 18. Wiley: 628–634. https://doi.org/10.1111/j.1472-4642.2012.00887.x.