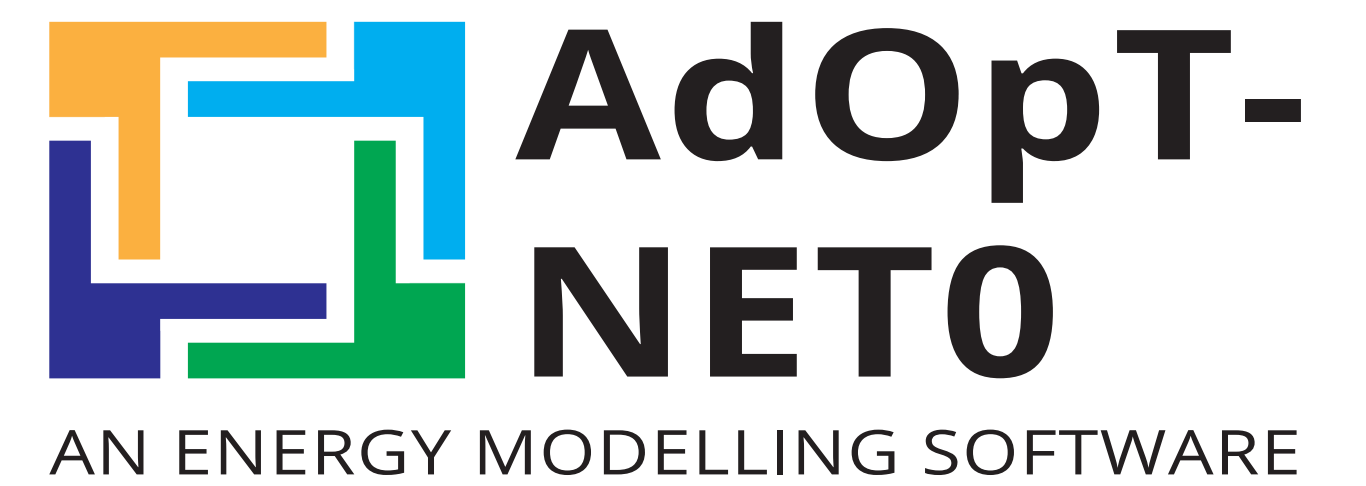


Open-Source Success

AdOpT-NET0

AdOpT-NET0 is an open-source tool to simulate energy networks with multiple energy source types. The package is published on GitHub, with an open MIT License, documentation, automations for checking code and building features, and has been given a DOI through a publication in the Journal of Open-Source Software. The software is being developed in the Copernicus Institute for Sustainable Development Energy and Resources section with a grant from the NWO.

Jan F. Wiegner, Julia L. Tiggeloven, Luca Bertoni, Inge M. Ossentjuk, Matteo Gazzani



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in the JOSS



edu.nl/u9m3b

View the
GitHub Repo



edu.nl/xt6vq

mibiscreen

Mibiscreen is a Python package for prediction and analysis in microbiome-based remediation. The package is published on GitHub under an Apache-2.0 License, documentation, badges, and has received a DOI through a software publication on Zenodo. The software is being developed in the Earth Sciences Department as part of the MiBiRem toolbox for Bioremediation with a Horizon Europe grant from the EU.

Alraune Zech



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edu.nl/hu7c3

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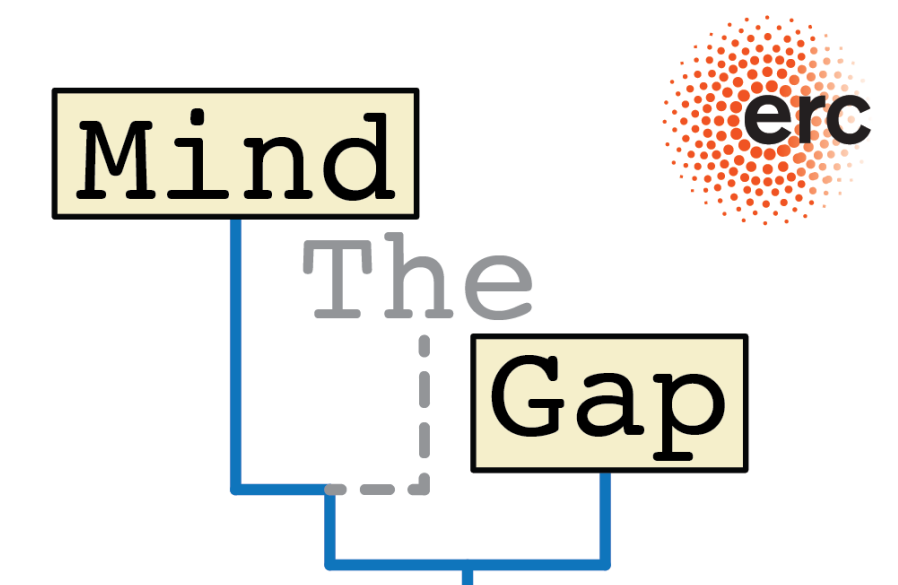


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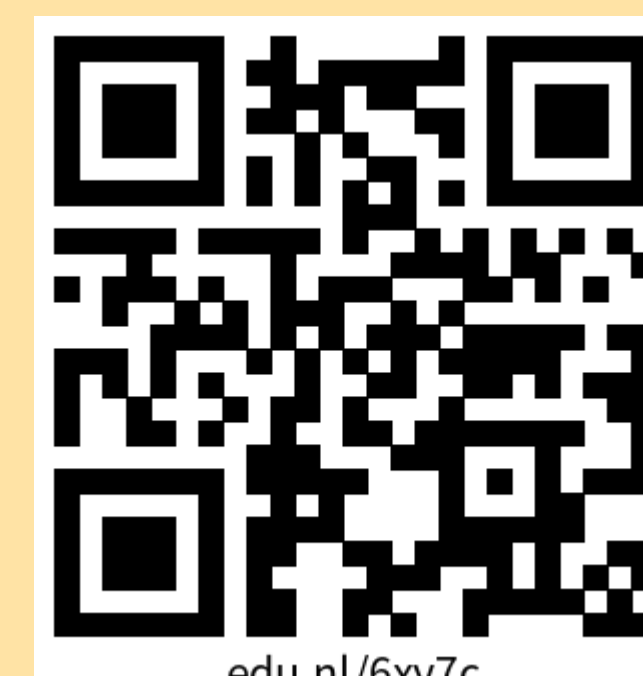
StratPal

The fossil record is a joint expression of ecological, taphonomic, evolutionary, and stratigraphic processes. This package allowing to simulate biological processes in the time domain, and examine how their expression in the rock record is influenced based on age-depth models, ecological niche models, and taphonomic effects. Functions simulating common processes used in modeling trait evolution, biostratigraphy or event type data such as first/last occurrences are provided and can be used standalone or as part of a pipeline. The package comes with example data sets and tutorials in several vignettes, which can be used as a template to set up one's own simulation.

Nicholas Hohmann, Emilia Jarochovska



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in the MindTheGap



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