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Effects of multiple global change drivers on soils and terrestrial ecosystems

Lecture #05

on March 5 / 2024 2 p.m.

// Matthias Rillig is a professor of ecology at the Freie Universität Berlin and director of the Berlin-Brandenburg Institute of Advanced Biodiversity Research.

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The vast majority of experimental work exploring the effects of drivers of global change on terrestrial ecosystems applies only one or two factors (actually about 98 % of the published literature). This means we are almost completely blind to the concurrent effects of many jointly acting factors, even though this is arguably the reality. Experimenting with such a large number of factors comes with many challenges. I report on our work using a design that emphasizes the number of factors: this alone can explain many effects, highlighting the fact that reducing the dimensionality of the global change problem could be one pathway towards greater ecosystem health.

About the lecturer

Matthias Rillig is a professor of ecology at the Freie Universität Berlin and director of the Berlin-Brandenburg Institute of Advanced Biodiversity Research. His group works on global change effects on soils (including microplastics), with an organismal focus on fungi.



The event will take place at the Frankfurt location in the Green Lecture Hall of the Arthur-von-Weinberg-Haus (the lecture will be recorded and made available on our website afterwards).

For further information
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