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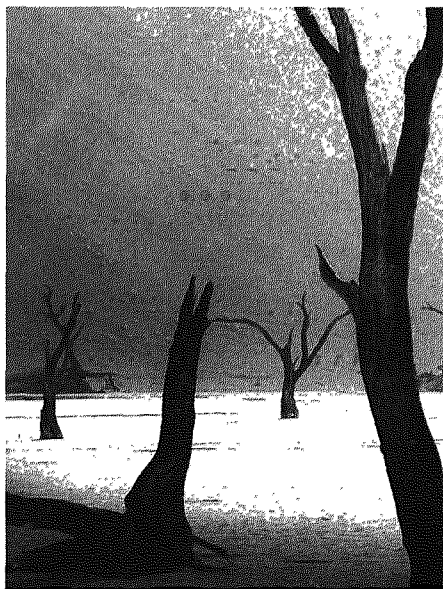
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ON THE COVER

Northern peatlands are carbon-dense ecosystems, yet the future of their carbon stocks is uncertain. In this issue, Wilkinson et al. used data from natural, degraded and restored peatlands in boreal and temperate regions to show that wildfire reduced peatland carbon uptake and enhanced emissions from degraded peatlands. Without active peatland restoration, climate change will accelerate peatland emissions and weaken the resilience of this carbon sink.

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- 442 **Projected increase in global runoff dominated by land surface changes**
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- 450 **Biogenic factors explain soil carbon in paired urban and natural ecosystems worldwide**
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- 456 **Wildfire and degradation accelerate northern peatland carbon release**
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- 462 **Weakening greenhouse gas sink of pristine wetlands under warming**
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Amendment

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