



WESTERN MICHIGAN UNIVERSITY

## The Impact of Climate Change and Forest Succession on the Atmospheric Chemistry of Biogenic Volatile Organic Compounds in Northern Michigan

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In many remote areas atmospheric photochemistry is driven by organic compounds emitted by natural sources. These compounds are dominated by unsaturated terpenes and terpenoids that give rise to a range of complicated intermediate products, the combination of which determines the reactivity of the atmosphere in the planetary boundary layer. Specific emissions vary by plant species and following the clearcutting of the forests in Michigan around the turn of the 20th century, the species composition of Michigan forests, and hence the atmospheric chemistry, changed dramatically. Michigan forests currently are growing back from the clearcut in the context of a changing climate, which makes predicting future atmospheric chemistry a particular challenge.

**Friday, January 19, 2018**

**2119 Wood Hall**

**3:00 p.m. – 4:00 p.m.**

Department of Geography, 3219 Wood Hall, 387-3415



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