PROJECT TITLE: Methane emissions from natural gas operations in the Wayne National Forest

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Project Description

This project will investigate methane emissions from oil and gas wells in the Wayne National Forest of Eastern Ohio, including conventional, unconventional, and abandoned wells. Methane is a powerful greenhouse gas with a global warming potential much higher than carbon dioxide, and emissions from oil and gas wells in this region is not well known. This project will entail both field work, including sometimes hot and sweaty conditions, measuring the methane coming from oil and gas wells, and lab work measuring the methane concentration and stable isotope ratios of gas samples. The student will work closely with the mentor as well as other students and scientists to learn these skills as well as data management and oral and written presentation skills.