

THE DEPT OF FORESTRY & NATURAL RESOURCES PRESENTS

SPRING 2025 SEMINAR SERIES

MONDAY, APRIL 28TH
WSLR 116 3:30 PM - 4:30 PM

JOIN US FOR A LECTURE AND CONVERSATION WITH

DR. MARTA VENIER

The Ins & Outs of Per- and Polyfluoroalkyl Substances in the Great Lakes: The Role of Atmospheric Deposition

The decline in the atmospheric concentration of several legacy pollutants is a success story showing how regulations does positively impact the environment. But new challenges are continuously surfacing and new ones are awaiting. PFAS are the latest group of pollutants to have emerged as an environmental issue. Here I will present results collected as part of the Integrated Atmospheric Deposition Network (IADN), a long-term monitoring program run by the U.S. Environmental Protection Agency's Great Lakes National Program Office. We have combined measurements of PFAS in precipitation, air, and open lake water to asses the role of atmospheric deposition in delivering PFAS to the Great Lakes.

Our findings suggest that atmospheric deposition plays an important role in delivering PFAS to the Great Lakes, in particular for short chain compounds and in Lake Superior. The upper lakes seem to accumulate PFAS and possibly act as continued source to the lower lakes (i.e., from sediments). As part of ongoing efforts to understand the fate and behavior of PFAS in the environment, we recommend continued measurements of PFAS in the atmosphere, as well as in tributary water and lake surface water.



Marta Venier is an environmental chemist and Assistant Professor at the Paul O'Neill School of Public and Environmental Affairs at Indiana University in Bloomington, Indiana.

This series aims to stimulate discussion and create opportunities for collaborations. Everyone is welcome to attend.

LOCATED AT 170 S UNIVERSITY STREET, WEST LAFAYETTE, IN 47907

IF YOU ARE INTERESTED IN MEETING WITH MARTA PLEASE CONTACT DR. TYLER HOSKINS OR DR. MARISOL SEPULVEDA AT TDHOSKIN@PURDUE.EDU AND MARISEP@PURDUE.EDU.