Environmental Science Graduate Program Student Seminar Series
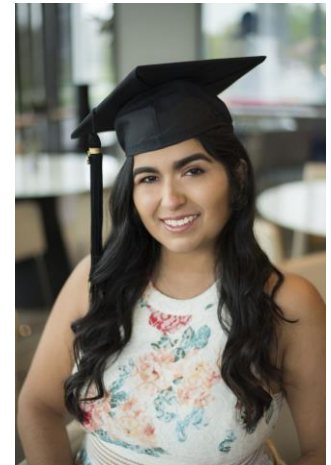
Modeling and State Implementation of Regulatory Measures for Ohio's Air Quality

◆ ### Anjelica Moreno
Smith 3150 | January 24, 2020 | 2:00-3:00pm

Anjelica Moreno currently works at The Ohio Environmental Protection Agency in the Division of Air Pollution Control. She is an air dispersion modeler in the Air Quality Evaluation & Planning section, where she started in April of 2019. Previously, she was there for two summers in the same section as a modeling intern. She holds a B.S. from Ohio University in Meteorology, where she graduated in 2017. An ESGP alum, she graduated spring of 2019 from The Ohio State University with an M.S. in Environmental Science with a Climate Change specialization. Her research primarily focused on atmospheric transport of PFAS at Chemours facilities. Originally, she is from Defiance – a small town in northwest Ohio. Some of her favorite things to do include talking a walk down by the Scioto Mile, making dinner with friends, and cuddling with her cats, Luna and Puffin.

Abstract

Ohio EPA's goal is to protect the environment and public health by ensuring compliance with environmental laws and demonstrating leadership in environmental stewardship. The Division of Air Pollution Control ensures compliance with the federal Clean Air Act. One small aspect of this is air dispersion modeling – modeling the atmospheric transport of a facility's pollutants to ensure compliance with our regulations. A subsection of the division also works on developing State Implementation Plans (SIPs) for the attainment and maintenance of the National Ambient Air Quality Standards (NAAQS). Ensuring compliance involves operating a continuous outdoor monitoring network and analyzing the data that comes from it. There are many pieces to the DAPC puzzle, and even more for the EPA as a whole. While only a few topics will be covered, more information can be found at https://epa.ohio.gov/.