

NITROGEN WORKING GROUP

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Overview

When we think about climate change many of us point to carbon as the culprit, however, nitrogen pollution has equally devastating effects. The main contributors to nitrogen pollution are the food and energy sectors. This pollution causes a cascade of negative impacts: smog, acid rain, coastal dead zones, biodiversity loss, climate change, stratospheric ozone depletion, and more. In 2013, the Board of Visitors updated the carbon reduction goal to also include a nitrogen footprint reduction goal, to reduce emission by 25% by 2025. Energy use and food production and consumption directly affect all three environmental issues. The Nitrogen Working Group approaches the issues of nitrogen from many angles, all working to better understand and minimize our footprint.

Projects:

- The University of Virginia Institutional Nitrogen Footprint Project
 - The Nitrogen Working Group for Sustainable Dining
 - The Integrated Environmental Footprint Tool (IEFT) Project
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- Footprint Tool (NFT) for Albemarle County, Excel version.
 - Nitrogen Footprint Tool (NFT) for Charlottesville, R-shiny version.
 - Integration of UVA, Albemarle County, and Charlottesville Nitrogen Footprints
 - Nitrogen Working Group Social Media Project

Yearly Progress Update (2020)

- UVA Integrated N, P, C, Water footprint paper written and submitted
- UVA N footprint tabulated for 2018
- UVA-Charlottesville data base extended to include Albemarle County
- Social media platform for NWG created
- Collaboration with Sustainable Food Collaborative strengthened

Resources and Contact Information

- More information can be found on this document, [detailing the work done in our projects](#).
- Please reach out to Jim Galloway (jng@virginia.edu) with any questions.