

EPA Tools for Communities and Academia: Selected On-line Resources

EPA's Office of Research and Development has a number of on-line tools and resources designed for local governments, community groups and researchers. Explore some of them at the links below:

- **Air Sensor Citizen Science Toolbox:** A website that provides information for citizen scientists and others to select and use low-cost portable sensor technology and understand results from monitoring activities. <https://www.epa.gov/air-sensor-toolbox/>
- **C-FERST (Community-Focused Environmental Risk Screening Tool):** An easily accessible on-line tool to help communities learn more about their environmental issues and risks, compare conditions in their community with their county and state averages, and explore exposure and risk reduction options. The tool includes local maps, reports, fact sheets, links to other environmental and public health tools, and structured guides to help communities plan their projects to assess local environmental conditions. <https://www.epa.gov/c-ferst/>
- **C-LINE (Community-LINE Source Model):** A web-based model that estimates emissions and dispersion of toxic air pollutants for roadways in the U.S. C-LINE can be used to examine what-if scenarios for changes in emissions such as traffic flow, fleet mix and vehicle speed. <https://www.cmascentr.org/c-tools/>
- **EJSCREEN:** An environmental justice mapping and screening tool for combining environmental and demographic indicators to compare a selected location to the rest of the state, EPA Region or the nation. <https://www.epa.gov/ejscreen/>
- **Enviroatlas:** A web-based mapping system which allows interactive analysis of special data on environmental conditions, human health statistics and socio-economic factors for communities across the country, as well as basic information about ecosystem goods and services. Includes a mapping application, an Eco-Health relationship browser and over 300 GIS data layers. Detailed data for urban areas can be used to identify local issues and evaluates potential solutions. <https://www.epa.gov/enviroatlas>
- **GIWiz (Green Infrastructure Wizard):** An interactive web application that connects communities to stormwater management and green infrastructure options appropriate for the specific needs of their local environment. <https://cfpub.epa.gov/giwiz/>
- **RETIGO (Real Time Geospacial Data Viewer):** A web-based tool for visualizing collected geo-spacial air data over time and space. Designed to be easy to use by researchers and citizen scientists. <http://www.epa.gov/retigo/>
- **Report on the Environment:** Interactive source of scientific indicators describing trends in the nation's environmental and human health condition which can inform decisions about environmental policy, education and monitoring priorities. <https://cfpub.epa.gov/roe/>