

Quarterly Update | July 2016



EnviroAtlas Update Bulletin

Keep up with the latest in EnviroAtlas news

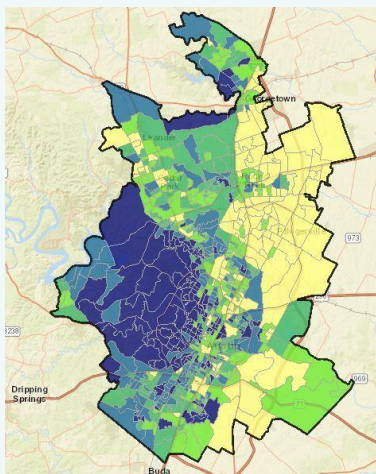
Sixteen communities in EnviroAtlas

In addition to over 300 data layers available at the national extent for the contiguous U.S, EnviroAtlas now has a total of 16 communities in the Interactive Map.

Each community has roughly 100 fine-scale metrics calculated for the area, plus a 1-meter resolution land cover product.

The latest community additions are Austin, TX; Memphis, TN; and New York, NY.

Austin, Texas



The Austin community area encompasses 18 municipalities, including Cedar Park, Rollingwood, and Volente.

Image: Average reduction in nighttime ambient temperatures due to tree cover. Blue depicts a greater reduction.

IN THIS UPDATE

Bringing new features to you!

- New Communities
- New National & Community Data
- Ecosystem Markets Beta-test

Beta-test Ecosystem Markets Data

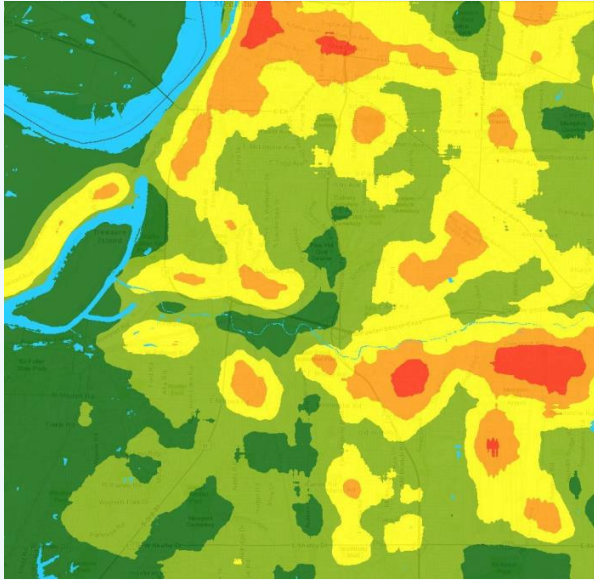
EnviroAtlas will be incorporating ecosystem markets data in the coming months. At present, Forest Trends is conducting a beta-test of these data.

We Want to Highlight Your Work

We are working on use cases to highlight examples of how people are using EnviroAtlas.

From health impact assessments in Tampa, FL, to wetland restoration, to regional transportation planning, EnviroAtlas data are

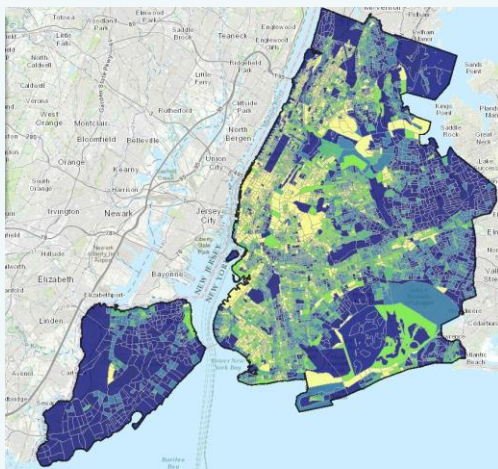
Memphis, Tennessee



The Memphis community area encompasses 17 municipalities, extending as far south as Hernando, Mississippi.

Image (zoomed in): Percent impervious area within 1 square kilometer. Red indicates 81 - 100 % impervious.

New York, New York



The New York community area encompasses the entire New York City area.

Image: Percent green space. Blue depicts more green space.

[Learn more about EnviroAtlas communities »](#)

being used in a variety of ways.

Our data and tools have even gone international! Researchers successfully used our dasymetric toolbox to map the distribution of people across Nepal. The **dasymetric toolbox** uses information like land cover and population data to allocate people across the landscape.

If you have used EnviroAtlas data or tools in your work, **we'd like to hear from you.** We are always looking for exciting projects to highlight on our website!

Explore the Data

With over 300 hundred data layers, we know it is sometimes difficult to know where to start.

Our dynamic data matrix makes it easy to **search through the full list of EnviroAtlas data layers »**

New Community & National Metrics

Walkable Roads

Street trees and street green space provide many benefits to communities such as improving aesthetics, reducing local temperatures, and providing opportunities for mental restoration and social interaction. Intersection density can be combined with street tree cover or street green space to identify areas of high and low walkability.

New layers available for EnviroAtlas communities include the following:

- **Percent tree cover along walkable roads**
- **Percent green space along walkable roads**
- **Estimated intersection density of walkable roads**



Image: One area of Austin, TX that has relatively high intersection density (dark purple shading) and a relatively high percent of tree cover along walkable roads (darker blue lines).

[Learn more about neighborhood indicators of walkability using fine-scale land cover \(pdf\) »](#)

Wetland Areas

Updated and new wetlands maps allow users to identify areas with the potential to support wetland

Call for Stakeholder Input

We are making some changes to our mapping application, and we want your input. Are you an EnviroAtlas user who is willing to provide feedback on our new map while we are in the development phase?:: [**Contact Us**](#) ::

Keep in Touch

We won't fill up your inbox with presentation notifications, but be sure to follow [**@EPARESEARCH**](#) to keep track of EnviroAtlas announcements and find out where we will be next. Tweet us using [**#EnviroAtlas**](#) and let us know you're there!

restoration efforts and to flexibly screen for potential wetland areas without specifying land cover, or by incorporating their own project-specific land cover types.

- **Potentially Restorable Wetlands on Agricultural Land:** This 30 meter grid of the contiguous U.S. combines poorly and very poorly drained soils, crop and pasture lands, and areas topographically likely to accumulate water. It is an updated version of the Potentially Restorable Wetlands layer and uses 2014 soils data and 2011 land cover data.
- **Potential Wetland Areas:** This 30 meter grid combines soils and areas topographically likely to accumulate water. It does not include land cover.

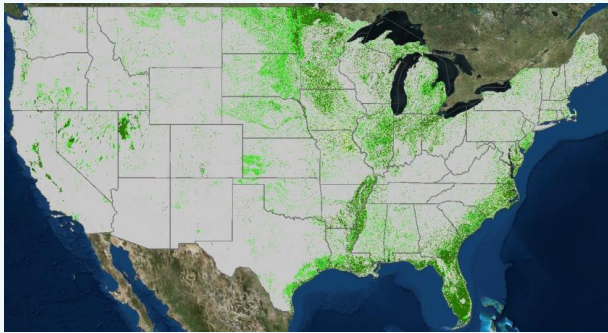


Image: Potential wetland areas

In our Interactive Map, find these layers under **Supplemental Maps:** *Landcover and Biophysical Data - Raster - National.*

[Go to the Map »](#)

Commute Modes & Commute Times

Ten new data layers present the pattern of commute modes and times throughout the U.S. Transportation modes can often be influenced by community development patterns, labor market shifts, human behavior, and technological changes.

These layers are available at the census block group level for the entire nation. Find them in our Interactive Map under **People and Built Spaces - National - Accessibility.** [Go to the Map »](#)