



USDA CARBONSCAPES

A national look at carbon landscapes and a central location for USDA Carbon inventory, modeling and mapping of terrestrial biosphere carbon

CarbonScapes *ATLAS*

Summarizes specific carbon pools including stock/mass, above/below ground, and total carbon by zip code, county, watershed, or major land resource area.

Carbon mass expressed in energy megagram consumption or forest sequestration with flexible reporting units (C or CO₂-e in SI or English units).

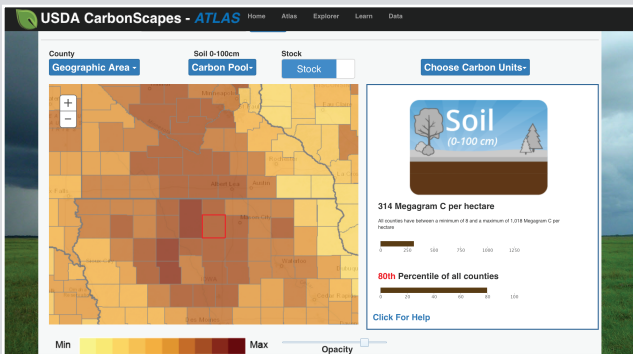


Figure 1. CarbonScapes ATLAS displaying Carbon Pool Stock by County
Tablet Enabled

CarbonScapes *EXPLORER*

Provides advanced users more in-depth tools to visualize, analyze carbon models and data inventory layers, query models and data layers, create maps, share geospatial links, extract GIS data.

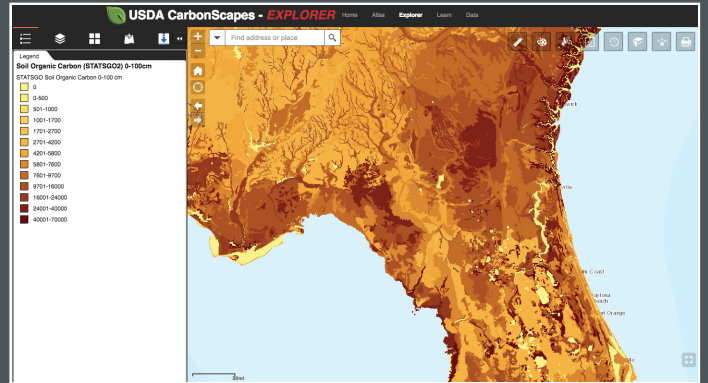


Figure 2. CarbonScapes EXPLORER displaying Organic Soil Carbon

Provides access to additional query, inventory/model layers and metadata

CarbonScapes *DATA*

Catalogs data and links users to USDA terrestrial carbon data and model resources published on Data.gov and other web sites.

Serves as a content management system to allow users to publish carbon model and metadata for all CarbonScapes ATLAS layers

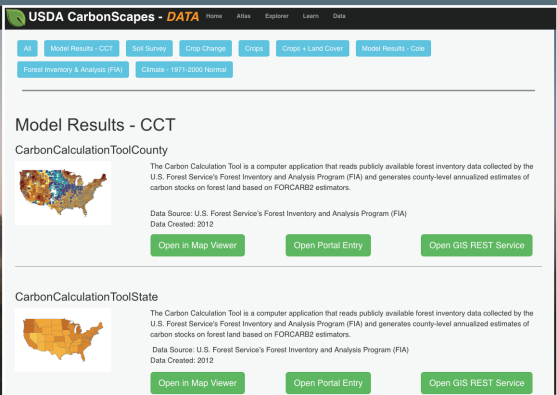


Figure 3. CarbonScapes DATA Interface.

CarbonScapes *LEARN*

Discover the connection and the importance of soil carbon, its role in the carbon cycle, how soil carbon affects climate conditions and the impact of human activity on soil carbon storage through interactive story maps, infographics, videos, and other resources.

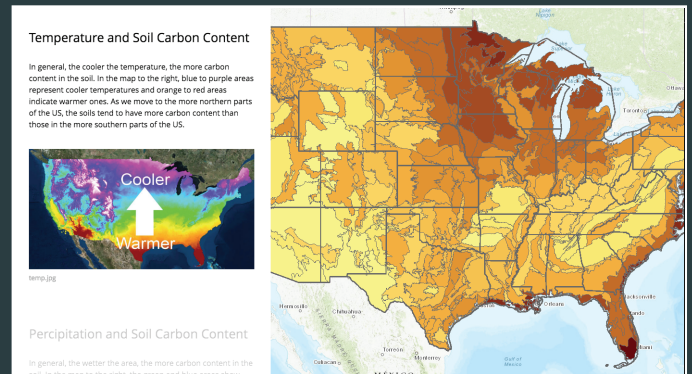


Figure 4. CarbonScapes LEARN Section Soil Carbon Story Map

www.CarbonScapes.org



WV GIS Technical Center
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CarbonScapes *ATLAS*

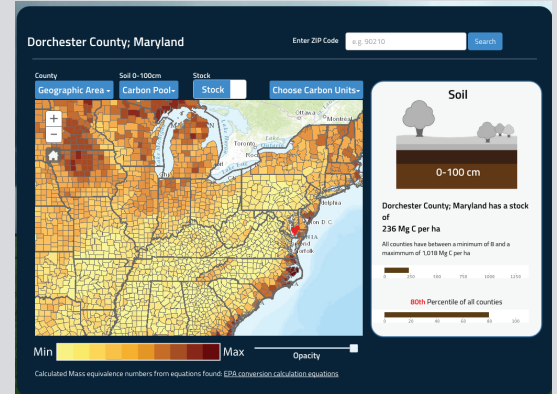
Summarizes specific carbon pools in the landscape for carbon-stock/mass above/below ground and total carbon for counties, watershed and major land resource areas for county, watershed and major land resource areas

Access carbon pools based on zip codes

Flexible reporting units (C or CO₂-e in SI or English units)

Carbon mass expressed in energy consumption or forest sequestration terms

Tablet Enabled



CarbonScapes ATLAS displaying soil carbon pool summary for a county

www.CarbonScapes.org/ATLAS

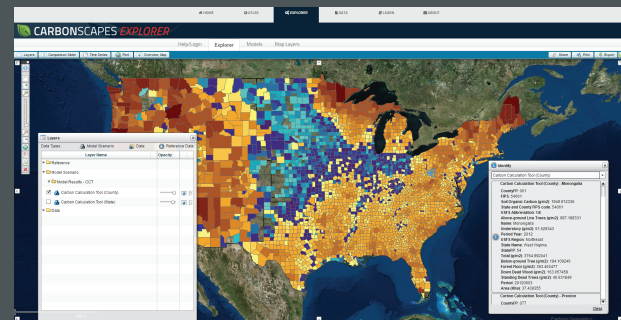


CarbonScapes *EXPLORER*

Provides advanced users more in-depth tools to visualize and analyze carbon models and data inventory layers

Explorer has ability to analyze/query models and data layers, create maps, share geospatial links, extract GIS data

Administrative login provides access to



CarbonScapes EXPLORER displaying detailed result of various carbon pools

www.CarbonScapes.org/EXPLORER



CarbonScapes *DATA*

The USDA CarbonScapes Data catalogs and links users to USDA terrestrial carbon data and model resources published on Data.gov and other web sites.

Publish metadata for all CarbonScapes ATLAS layers

Serves as a content management system to allow users to publish carbon model and metadata

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