Open Data for Sustainable Communities

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Open Data Panel

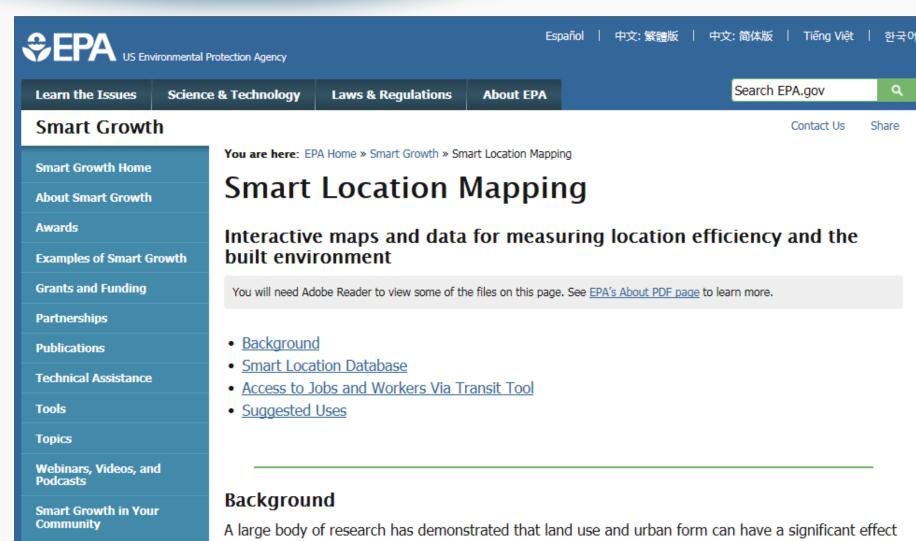
New Partners for Smart Growth Conference

February 2, 2017



Data Tool Smart Location Mapping





on transportation outcomes.

A National Database of Smart Growth Characteristics



4 Units per Acre



Density
Diversity
Design of Street Network
Destination Accessibility
Distance to Transit





11 Units per Acre



Image sources: Lincoln Land Institute's "Visualizing Density" and Victor Dover

Open Data Access



Smart Location Database

The Smart Location Database is a nationwide geographic data resource for measuring location efficiency. It includes more than 90 attributes summarizing characteristics such as housing density, diversity of land use, neighborhood design, destination accessibility, transit service, employment, and demographics. Most attributes are available for every census block group in the United States.

EPA first Cased the Smart Location Database. 2011 and released version 2.0 in July 2013. Please review the Smart Location Database Technical Documentation and User Guide for Turned interpretation of all available variables, data source, and currency, and known limitations.

Figure 1 illustrates one of the variables in the Smart Location Database. The map shows patterns of spatial variation in transit service availability and density in Los Angeles and its surrounding cities and suburbs.



Figure 1: Transit Service Density in the Los Angeles Metropolitan Region (Aggregate frequency of transit service per hour per square mile during evening peak period)

Access the Data

Interactive map viewer [iv]

Download data for your community[v]

Download data for the entire nation:

- Shapefile (ZIP) (800 MB)
- Dbf (ZIP) (85 MB)
- Esri Geodatabase (ZIP)
 (417 MB)

Metadata

Web services

Online interactive map viewer 'Clip n' Ship"

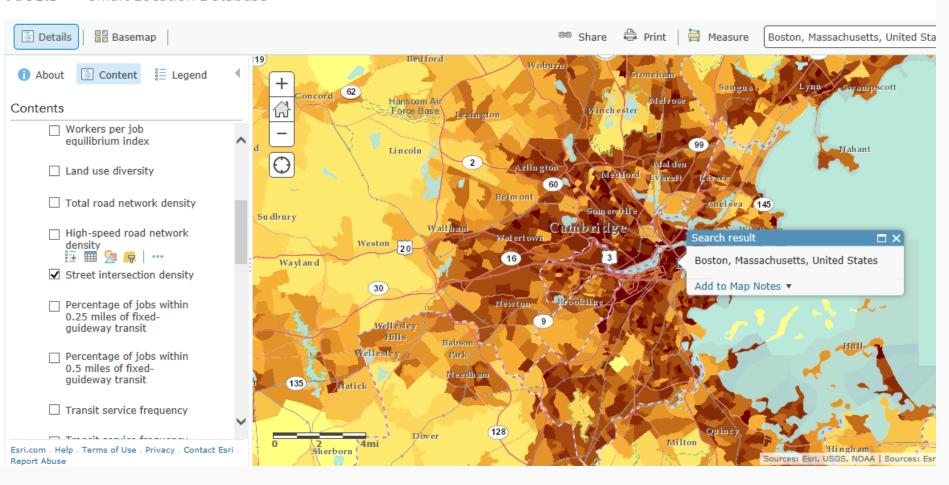
Complete dataset for download

http://www2.epa.gov/smartgrow th/smart-location-mapping#SLD

Mapping Tool

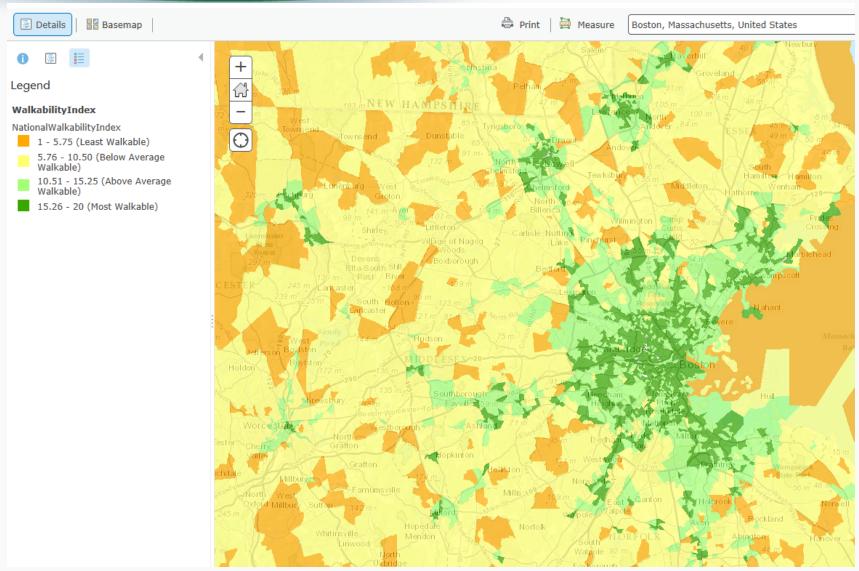


ArcGIS ▼ Smart Location Database



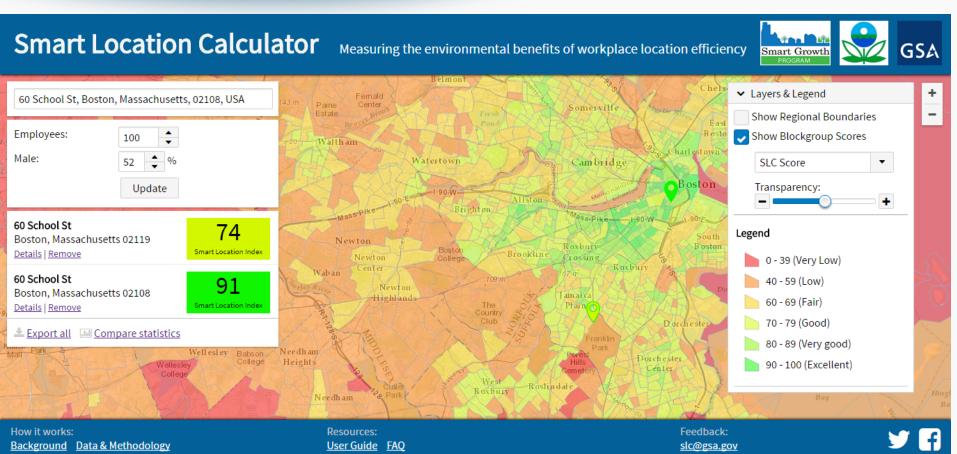
New Spin Off Product National Walkability Index





GSA / EPA Tool Smart Location Calculator





https://www.slc.gsa.gov/slc/#

Applications of the Data



- AARP Livability Index
- Livable Transit Corridor Evaluation Tool
- National Environmental Database

Related Federal Open Data



- EJ Screen
- National Sustainability Atlas
- Location Affordability Portal