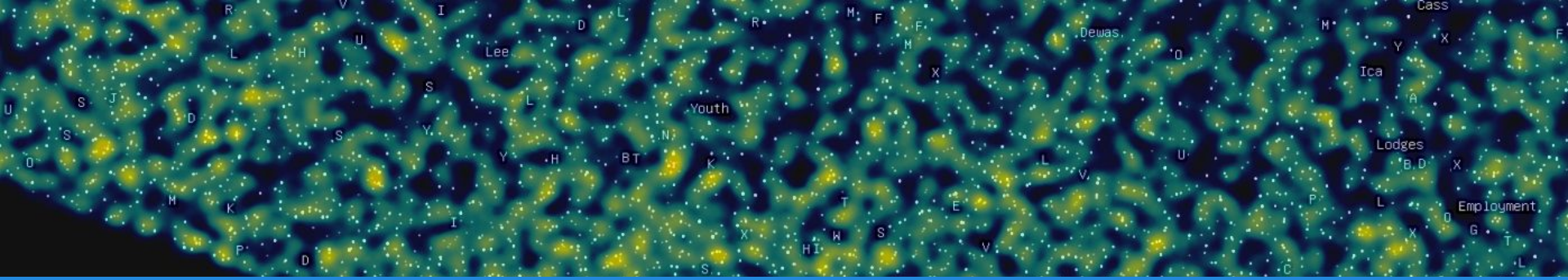
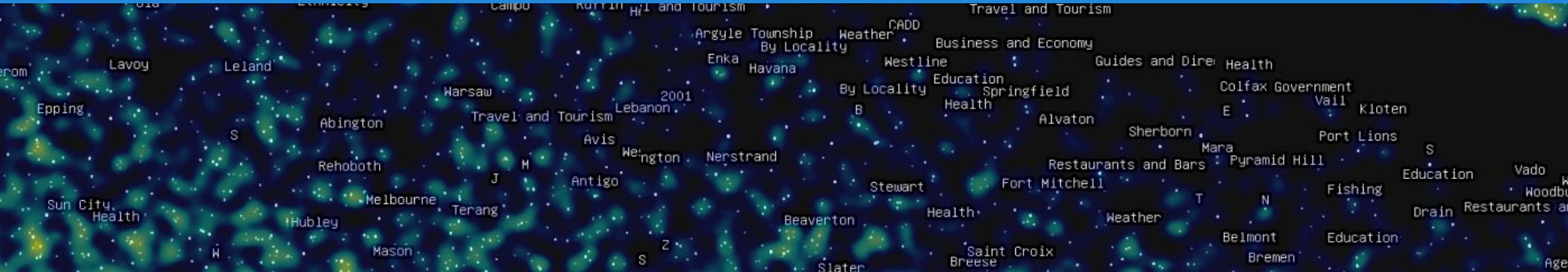


DATA FOR GOVERNMENT AND PEOPLE WITH CARTODB



“Every two days now we create as much information as we did from the dawn of civilization up until 2003.”
— Eric Schmidt, Google CEO 2010

21st CENTURY CITIZEN

21st CENTURY GOVERNMENT

DATA!

Place overview

11%
Percent Open
Down from 15% in 2013

97
Number of Places
Up from 60 in 2013

970
Number of Entries
Up from 599 in 2013

106
Number of Open Datasets
Up from 87 in 2013

Search
Search for a place

See other years
2013

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Rank	Place	Transport Timetables	Government Budget	Government Spending	Election Results	Company Register	National Map	National Statistics	Legislation	Postcodes / Zipcodes	Pollutant Emissions	Score
1	United Kingdom											97%
2	Denmark											83%
3	France											80%
4	Finland											73%
5	Australia											72%
5	New Zealand											72%
7	Norway											71%
8	United States											70%

HOW DO WE HARNESS THESE STREAMS OF DATA FOR 21ST CENTURY GOVERNMENT?

WITH 21ST CENTURY TOOLS THAT TURN DATA INTO SHARABLE ANALYSIS DRIVEN INSIGHT.

VNIVERSALE DESCRITTIONE DI TVTTA LA TERRA CONOSCIVTA FIN QVI
OCEANO SETTENTRIONALE
OCEANO ATLANTICO
CIRCVLO ARTICO
TERRA INCOGNITA
NVOVA FRANCIA
LARCADIA
MEDITERRANEO
OCEANO OCCIDENTALE
TROPICO DE CANCRO
GOLFO DI TONZA
MARE DEL LVP
MARE DI INDIA
MARE MACADAZO
PROVINCIA DE MOLVCCHI
MARE MACCHIAN
OCEANO ORIENTALE
TROPICO DE CAPRICORNO
TERRA DE LVCACH
OCEANO MERIDIONALE
TERRA DEL FVEGO
CIRCOLO ANTARTICO
TERRA INCOGNITA
TERRA INCOGNITA
MAPS!

CARTODB

Dynamic

POSTGIS
+
CARTOCSS

SQL

```sql
with base as (SELECT row_number() over() as polyv, geom as the_geom_webmercator FROM (SELECT (ST_Dump(
    ST_SimplifyPreserveTopology(the_geom_webmercator,2000))).geom FROM {1} WHERE cartodb_id = {0} LIMIT 2)
    a),
cent as (SELECT polyv, st_centroid(the_geom_webmercator) the_geom_webmercator FROM base),
pts as (SELECT polyv, (ST_DumpPoints(the_geom_webmercator)).geom AS the_geom_webmercator FROM base),
lns as (select  pts.polyv, ST_MakeLine(cent.the_geom_webmercator, pts.the_geom_webmercator) the_geom from
    pts, cent WHERE pts.polyv=cent.polyv),
ext AS (
SELECT polyv, ST_MakeLine(ST_TRANSLATE(a, sin(az1) * len, cos(az1) * len),ST_TRANSLATE(b,sin(az2) * len,
    cos(az2) * len)) as the_geom_webmercator
FROM (
SELECT polyv, a, b, ST_Azimuth(a,b) AS az1, ST_Azimuth(b, a) AS az2, ST_Distance(a,b) + ((random()+((
    row_number() over())%2-1.5))*(ST_Distance(a,b)/3)) AS len
  FROM (
    SELECT polyv, ST_StartPoint(the_geom) AS a, ST_EndPoint(the_geom) AS b
      FROM lns
    ) AS sub
) AS sub2),
newpts AS (SELECT polyv, row_number() over () as r, ST_SnapToGrid(ST_StartPoint(the_geom_webmercator),2000)
    the_geom_webmercator FROM ext),
finlin AS (SELECT polyv, ST_MakeLine(the_geom_webmercator) the_geom_webmercator from newpts GROUP BY polyv)


SELECT cartodb_id, the_geom_webmercator, '' as label FROM {1}
UNION ALL
SELECT -1 as cartodb_id,
ST_MakePolygon(ST_AddPoint(the_geom_webmercator, ST_StartPoint(the_geom_webmercator))) as
    the_geom_webmercator, 'POW!' as label FROM finlin
```

CartoCSS

```
#bk_mad_cycleway::glow{
  [zoom <= 16]{
    line-color: #FF5C00;
    line-opacity: 0.4;
    line-width: 8;
  }
  [zoom <= 14]{
    line-color: #FFCC00;
    line-opacity: 0.3;
    line-width: 10;
  }}
```

DATA

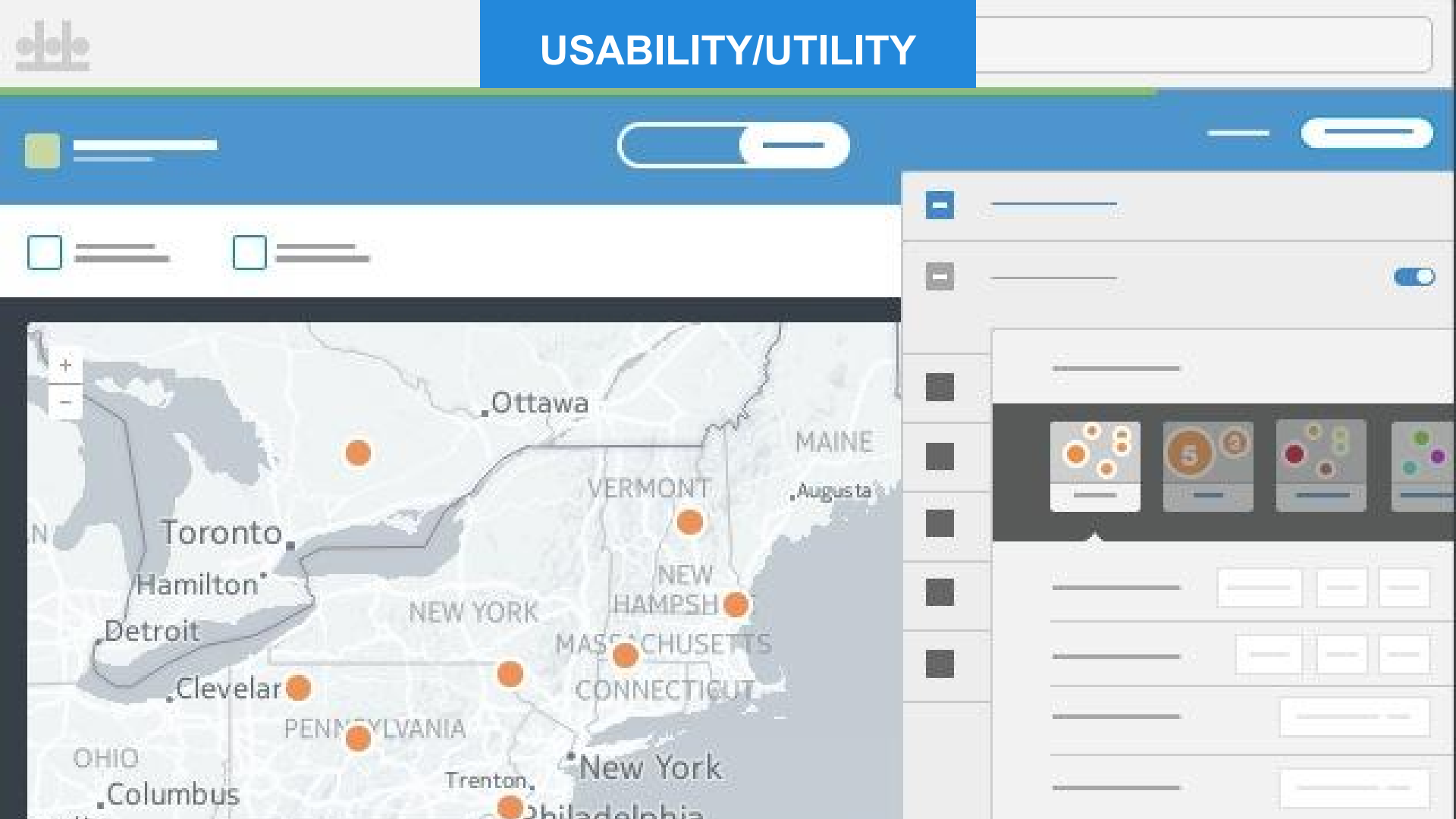
OSM - Nepal

Edit metadata...

Edit PUBLISH

cartodb_id number	the_geom geometry	bridge number	maxspeed number	name string	oneway number	osm_id number	ref string	tunnel number	type string	created_at date	updated_at date
1	Line	0	null	null	0	4825621	F26	0	primary	2015-04-28T16:10:49Z	2015-04-28T1
2	Line	0	null	Kanti Path	1	4825630	RatnaPark-Phutun	0	primary	2015-04-28T16:10:49Z	2015-04-28T1
3	Line	0	null	Tridevi Sadak	1	4825671	null	0	secondary	2015-04-28T16:10:49Z	2015-04-28T1
4	Line	0	null	null	1	4839933	null	0	secondary	2015-04-28T16:10:49Z	2015-04-28T1
5	Line	0	null	null	1	4839936	null	0	secondary	2015-04-28T16:10:49Z	2015-04-28T1
6	Line	0	null	null	1	4839958	null	0	secondary	2015-04-28T16:10:49Z	2015-04-28T1
7	Line	0	null	null	0	4840030	null	0	secondary	2015-04-28T16:10:49Z	2015-04-28T1
8	Line	0	null	Dilli Bazaar Road	0	4840039	null	0	secondary	2015-04-28T16:10:49Z	2015-04-28T1
9	Line	0	null	Ram Shah Path (पुतलीसडक)	1	4840048	null	0	primary	2015-04-28T16:10:49Z	2015-04-28T1
10	Line	0	null	null	0	4840054	null	0	secondary	2015-04-28T16:10:49Z	2015-04-28T1
11	Line	0	null	Kamaladi Road (कमलादी)	0	4840057	null	0	secondary	2015-04-28T16:10:49Z	2015-04-28T1
12	Line	0	null	Pragya Marga	0	4840060	null	0	secondary	2015-04-28T16:10:49Z	2015-04-28T1
13	Line	0	null	Teen Dhara Sadak	0	4840073	null	0	secondary	2015-04-28T16:10:49Z	2015-04-28T1
14	Line	0	null	Jamal Way	1	4840092	null	0	primary	2015-04-28T16:10:49Z	2015-04-28T1
15	Line	0	null	Ratna Park Path	0	4840104	RatnaPark-Phutun	0	primary	2015-04-28T16:10:49Z	2015-04-28T1

USABILITY/UTILITY



OPEN SOURCE CODE & APIs

This repository Search

auremoser

CartoDB / cartodb

107 Star 702 Fork 164

Geospatial database for the cloud http://www.cartodb.com — Edit

20,566 commits 501 branches 49 releases 47 contributors

branch: master cartodb / +

Merge pull request #2054 from CartoDB/fix-stalled-upgrade-script

rafatower authored 14 hours ago latest commit 5bb8e205a3

app	Merge pull request #2054 from CartoDB/fix-stalled-upgrade-script	14 hours ago
config	Merge pull request #2005 from CartoDB/1651-Google_signin	15 hours ago
db	Merge pull request #2005 from CartoDB/1651-Google_signin	15 hours ago
doc	Add start skeleton for frontend docs	19 days ago
engines	Add engines dir	2 years ago
lib	Merge pull request #2054 from CartoDB/fix-stalled-upgrade-script	14 hours ago
public	changes location of alpha marker to assets	2 days ago
script	Activating more features for local/dev users	2 months ago
services	Merge branch 'master' of github.com:CartoDB/cartodb into 1978-Importi…	19 hours ago
spec	Automated password-protected file test	18 hours ago
tmp	Add tmp folder to the repo and fix wrong javascript filenames in asse…	4 years ago
vendor	Merge pull request #2005 from CartoDB/1651-Google_signin	15 hours ago
.gitignore	State variable dependencies explicitly	2 months ago
.gitmodules	Replace lib/sql by the cartodb-postgresql submodule	9 months ago

Code

Issues 332

Pull Requests 8

Wiki

Pulse

Graphs

Settings

SSH clone URL

git@github.com:Cart

You can clone with HTTPS, SSH, or Subversion.

Clone in Desktop

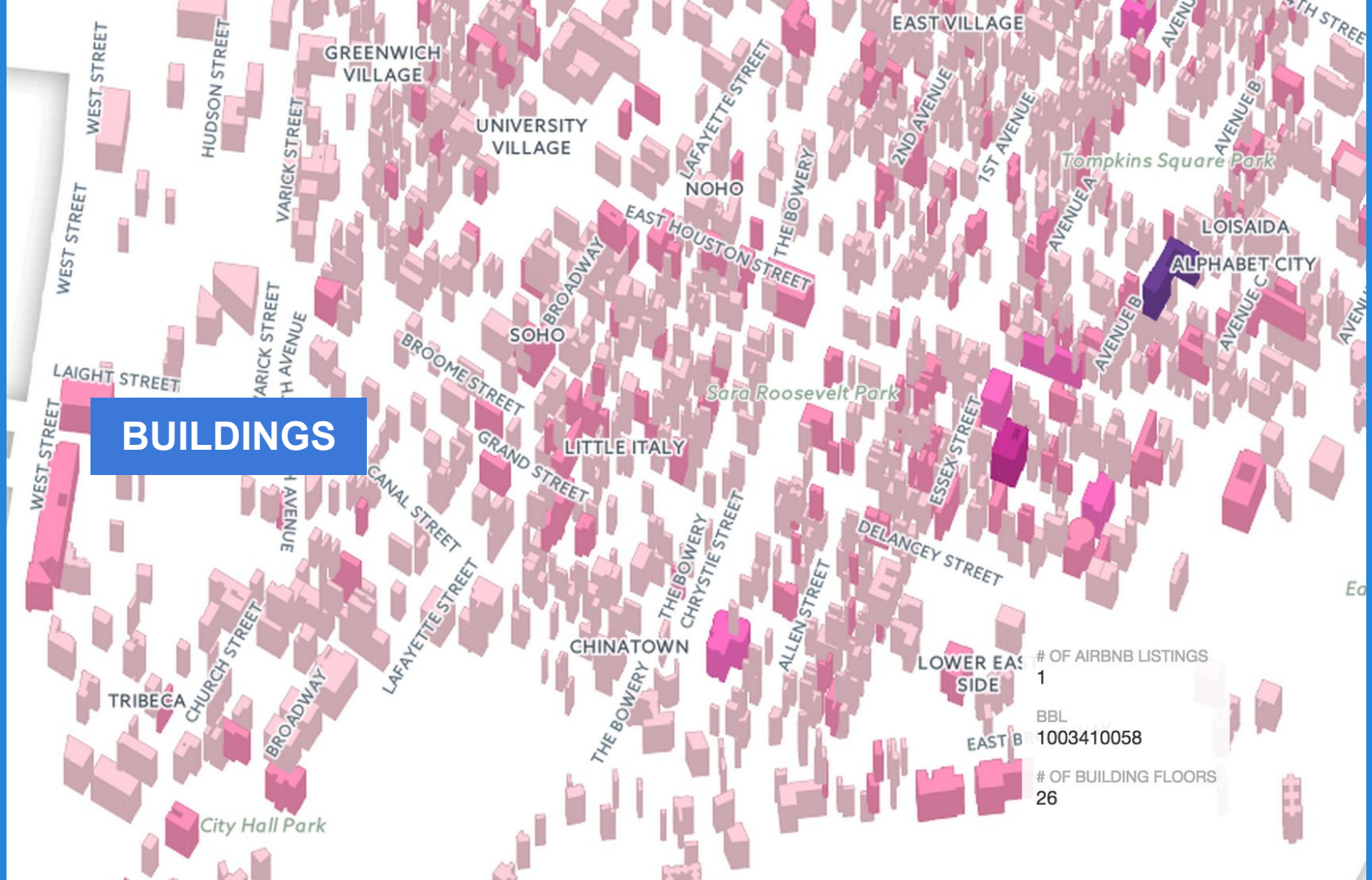
Download ZIP

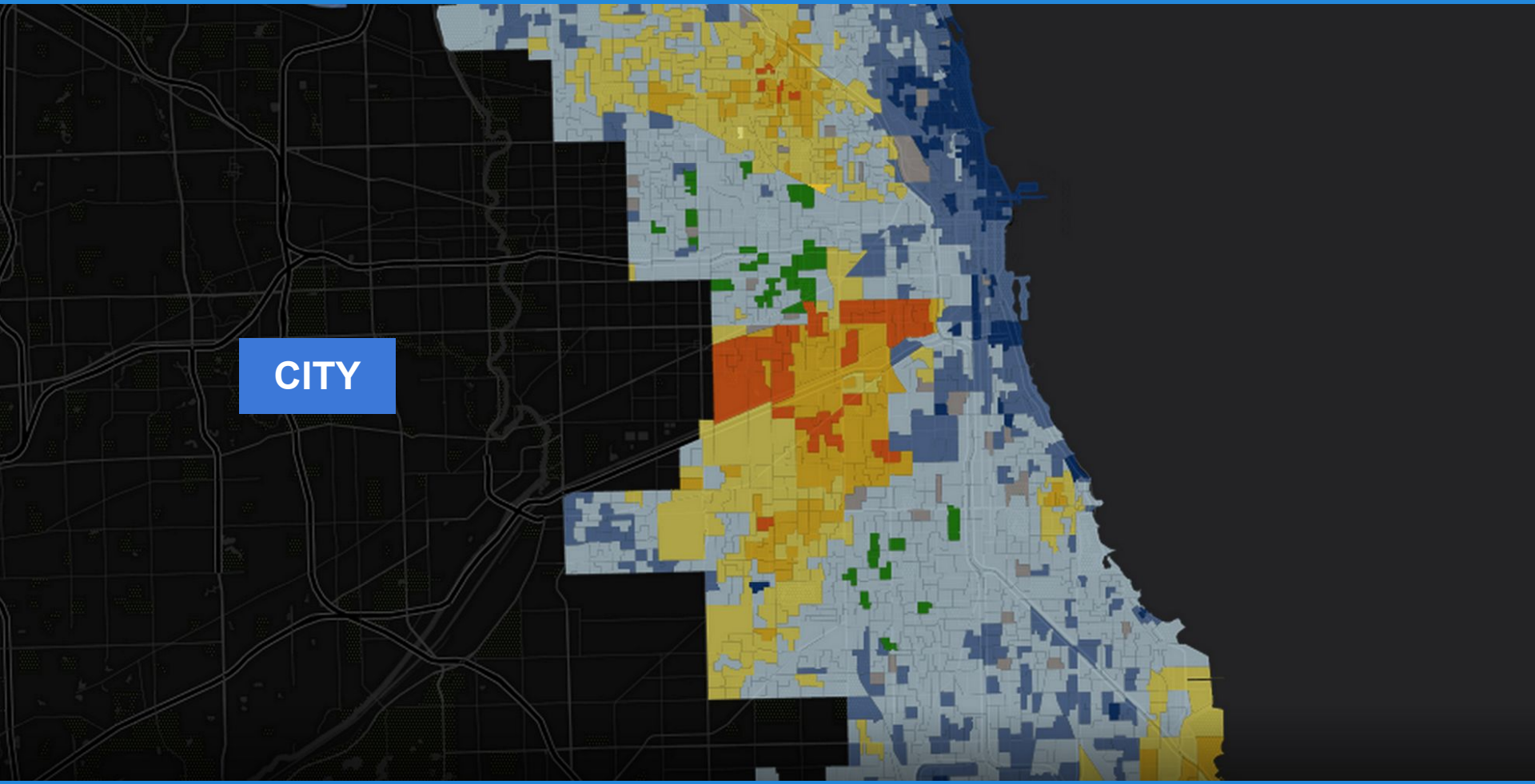
DYNAMIC & AGILE
FINAL PRODUCT

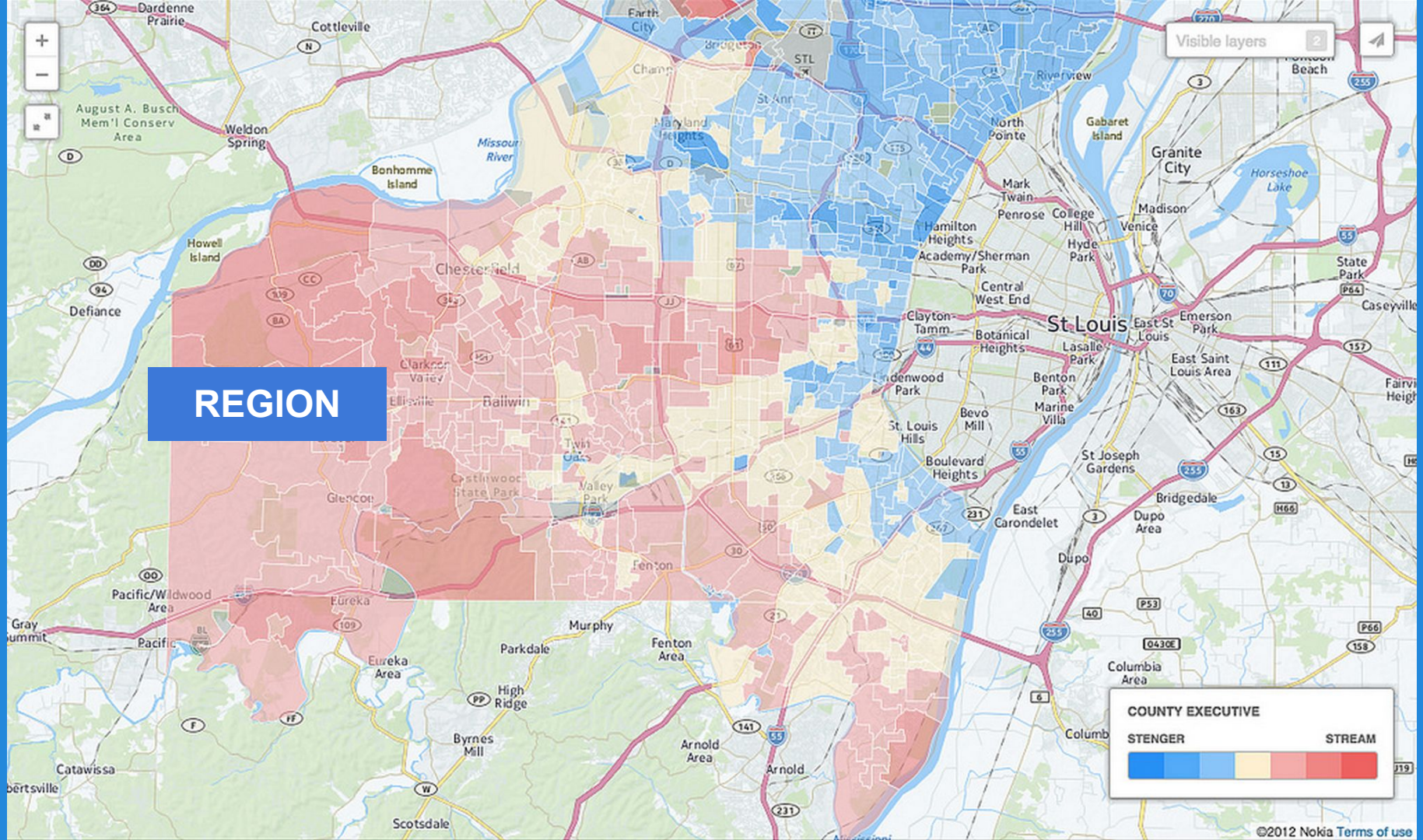
Here + CartoDB

WHAT IF, THROUGH DATA, WE COULD EASILY UNDERSTAND POLITICAL, HUMAN, AND ENVIRONMENTAL LANDSCAPES?

SCALABILITY is powerful.


BUILDINGS
GREENWICH VILLAGE
UNIVERSITY VILLAGE
EAST VILLAGE
NOHO
SOHO
LITTLE ITALY
CHINATOWN
TRIBECA
LOWER EAST SIDE
LOISAIDA
ALPHABET CITY
Tompkins Square Park
Sara Roosevelt Park
City Hall Park
WEST STREET
HUDSON STREET
VARICK STREET
LAFAYETTE STREET
THE BOWERY
2ND AVENUE
1ST AVENUE
AVENUE A
AVENUE B
AVENUE C
EAST HOUSTON STREET
BROADWAY
BROOME STREET
GRAND STREET
CANAL STREET
LAIGHT STREET
CHRYSTIE STREET
ALLEN STREET
ESSEX STREET
DELANCEY STREET
CHURCH STREET
OF AIRBNB LISTINGS
1
BBL
1003410058
OF BUILDING FLOORS
26


CITY


REGION
COUNTY EXECUTIVE
STENGER
STREAM
Visible layers
St. Louis
Chesterfield
Ballwin
Fenton
Eureka
Arnold
Granite City
Madison
Venice
Hamilton Heights
Academy/Sherman Park
Central West End
Clayton-Tamm
Botanical Heights
Lasalle Park
Benton Park
Marine Villa
Bevo Mill
St. Louis Hills
Boulevard Heights
St Joseph Gardens
East Carondelet
Dupo
Bridgedale
Columbia Area
East St Louis
Emerson Park
East Saint Louis Area
Mark Twain
Penrose
College Hill
Hyde Park
North Pointe
Gabaret Island
Riverview
Maryland Heights
Bonhomme Island
Missouri River
Howell Island
Weldon Spring
August A. Busch Mem'l Conserv Area
Dardenne Prairie
Cottleville
Defiance
Clarkson Valley
Ellisville
Twin Oaks
Castlewood State Park
Glencoe
Valley Park
Pacific/Wildwood Area
Pacific
Gray Summit
Eureka Area
Parkdale
High Ridge
Byrnes Mill
Catawissa
Scotsdale
Murphy
Fenton Area
Arnold Area
Horseshoe Lake
State Park
Caseyville
Beach
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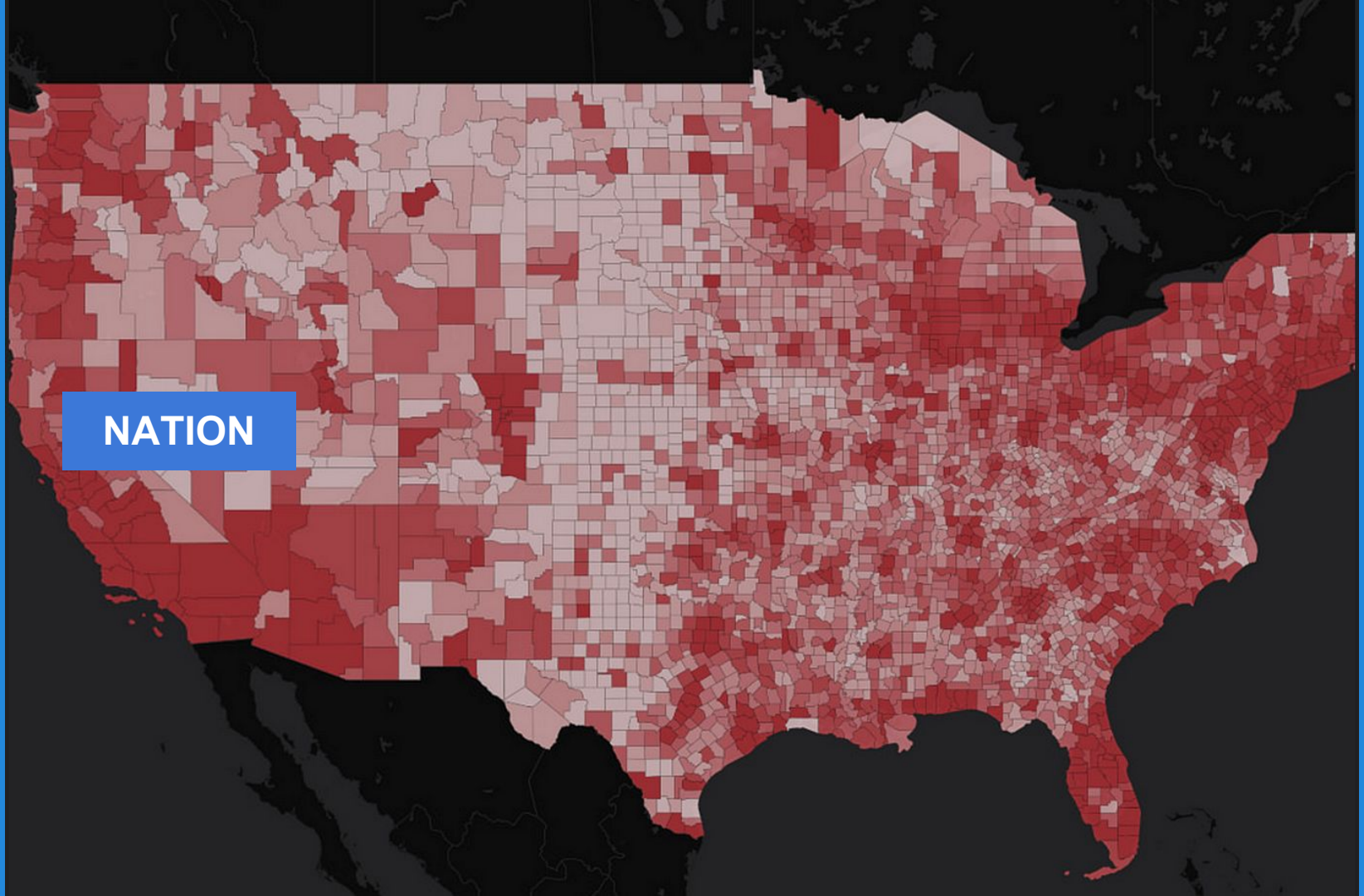
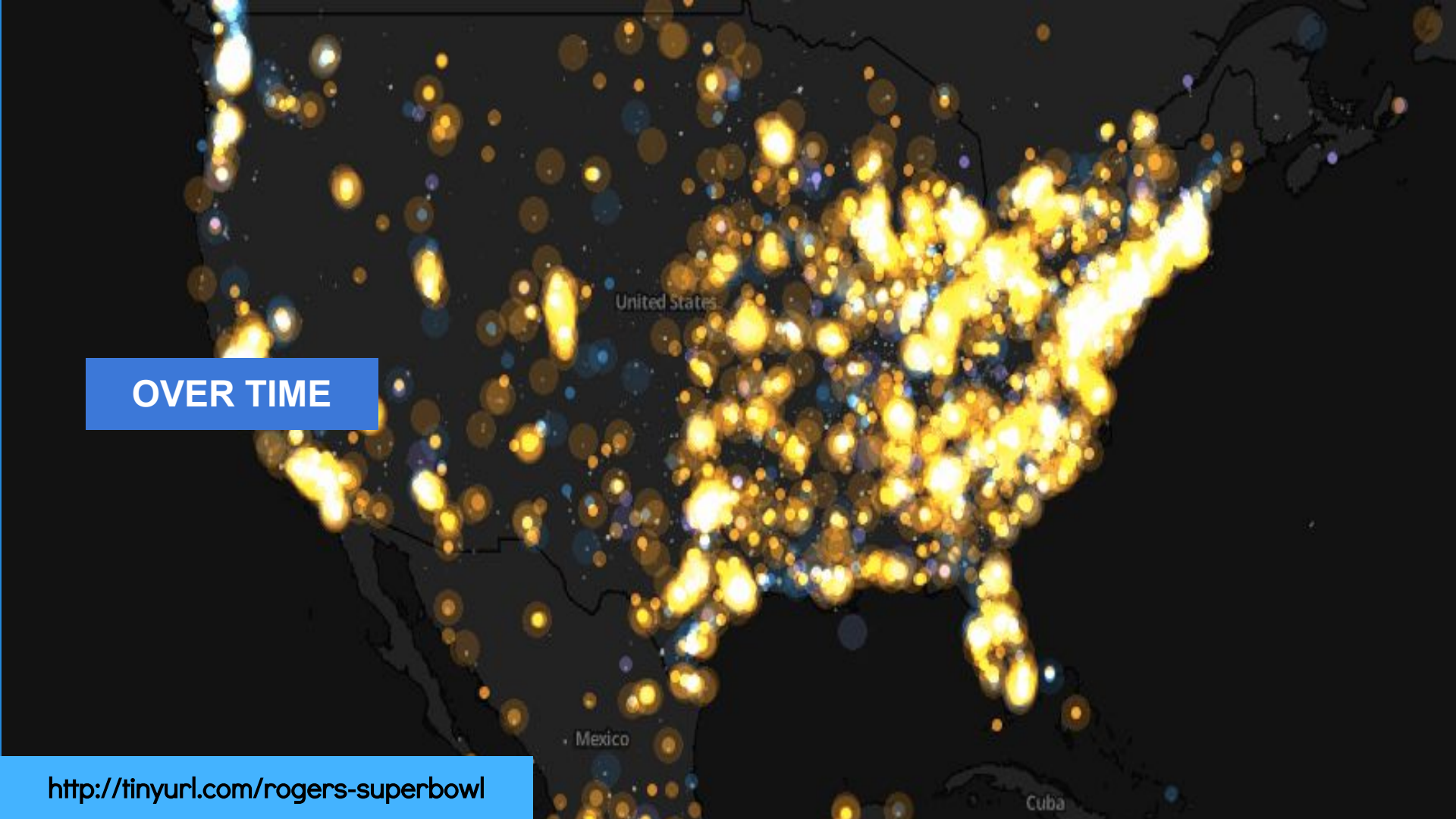
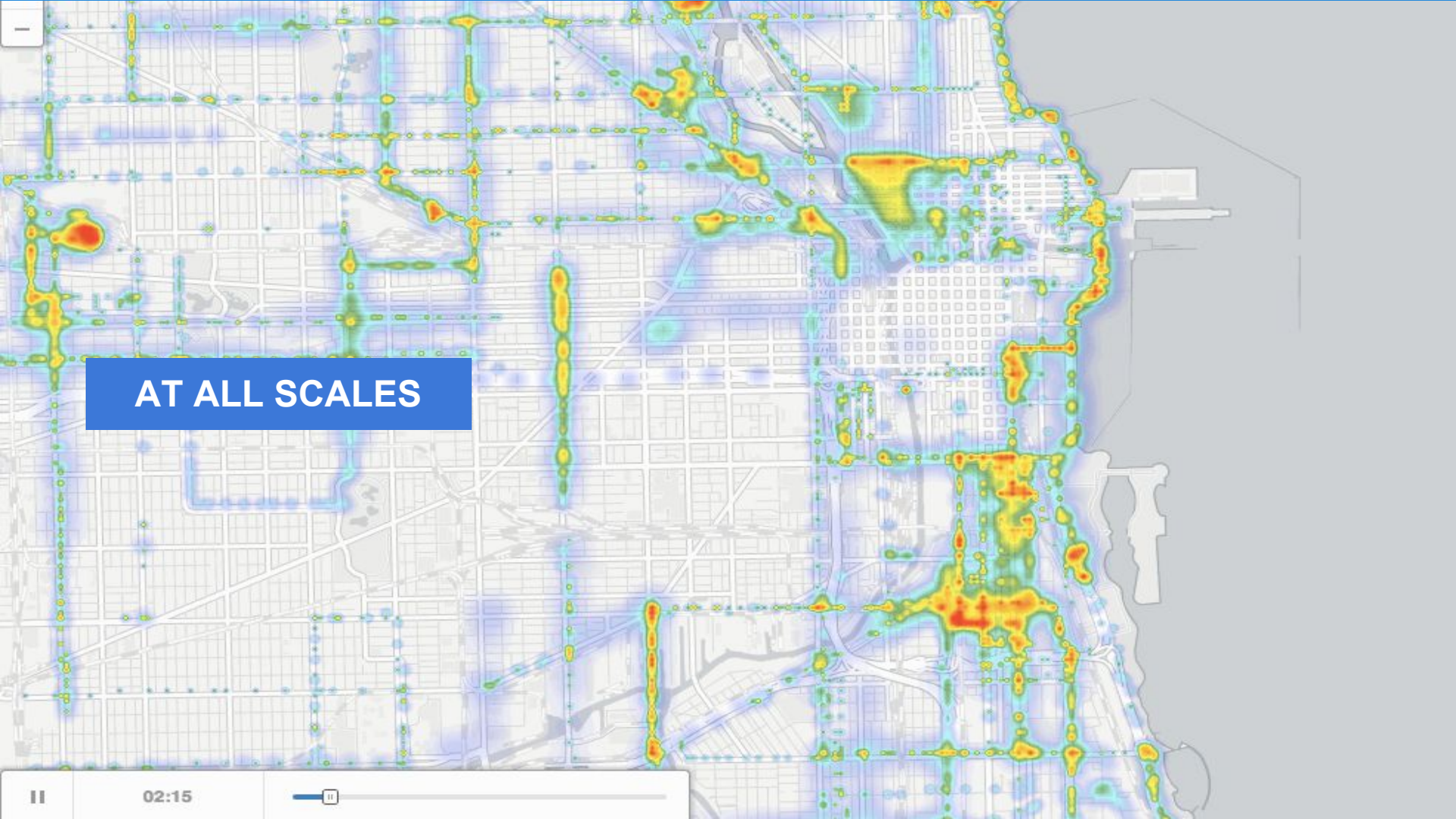
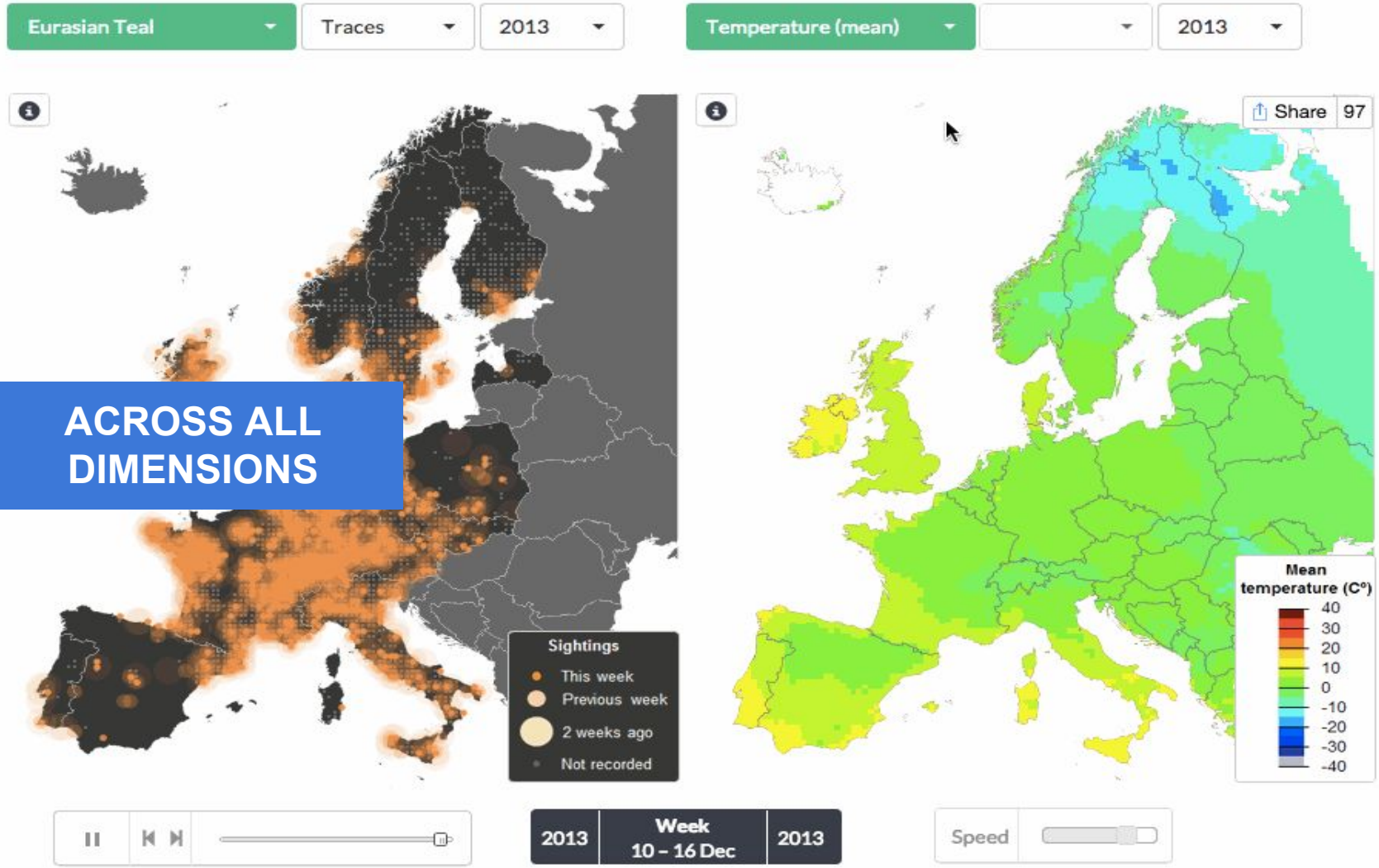

NATION



OVER TIME

http://tinyurl.com/rogers-superbowl

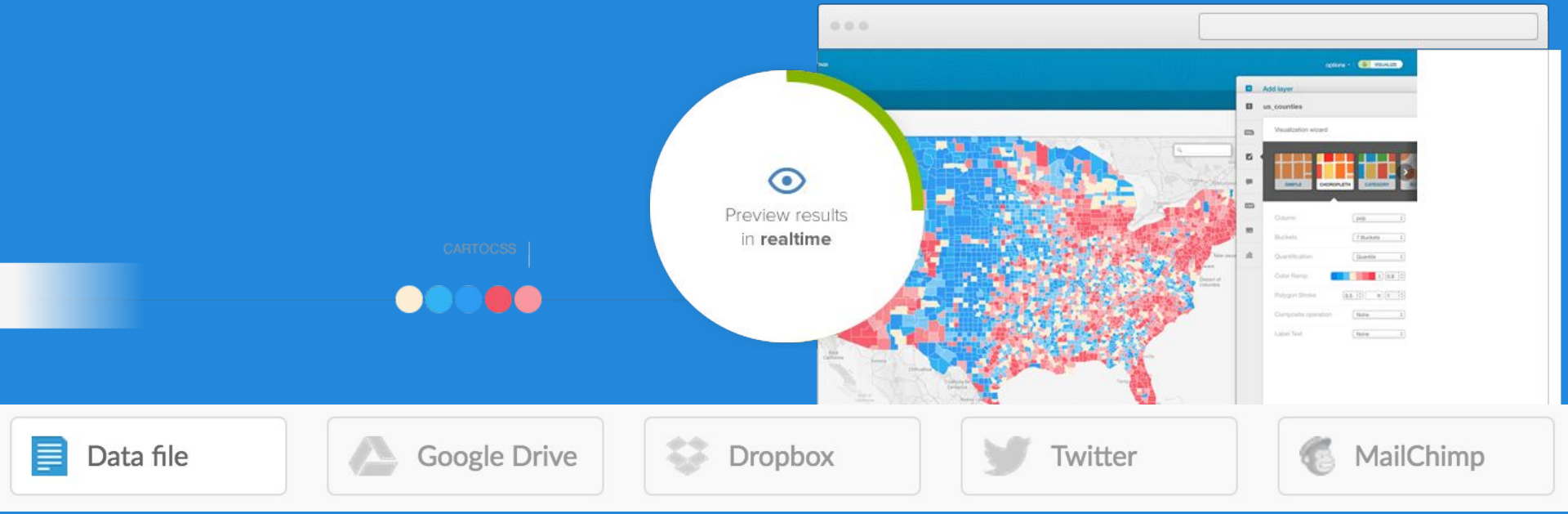

AT ALL SCALES
02:15



ACROSS ALL DIMENSIONS

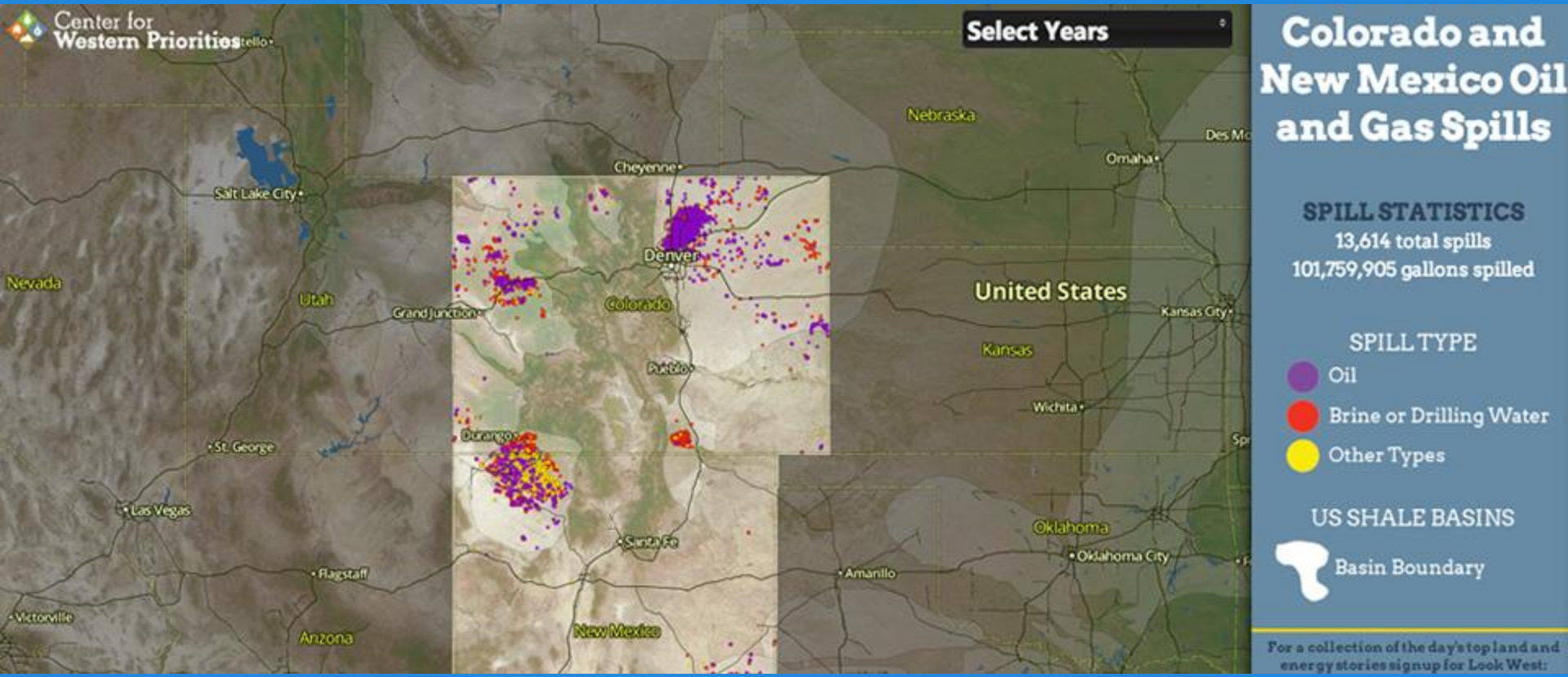
IT IS INCREASINGLY IMPORTANT TO MAKE RAPID SENSE OF COMPLEX AND SOPHISTICATED DATA...

IN REAL-TIME.

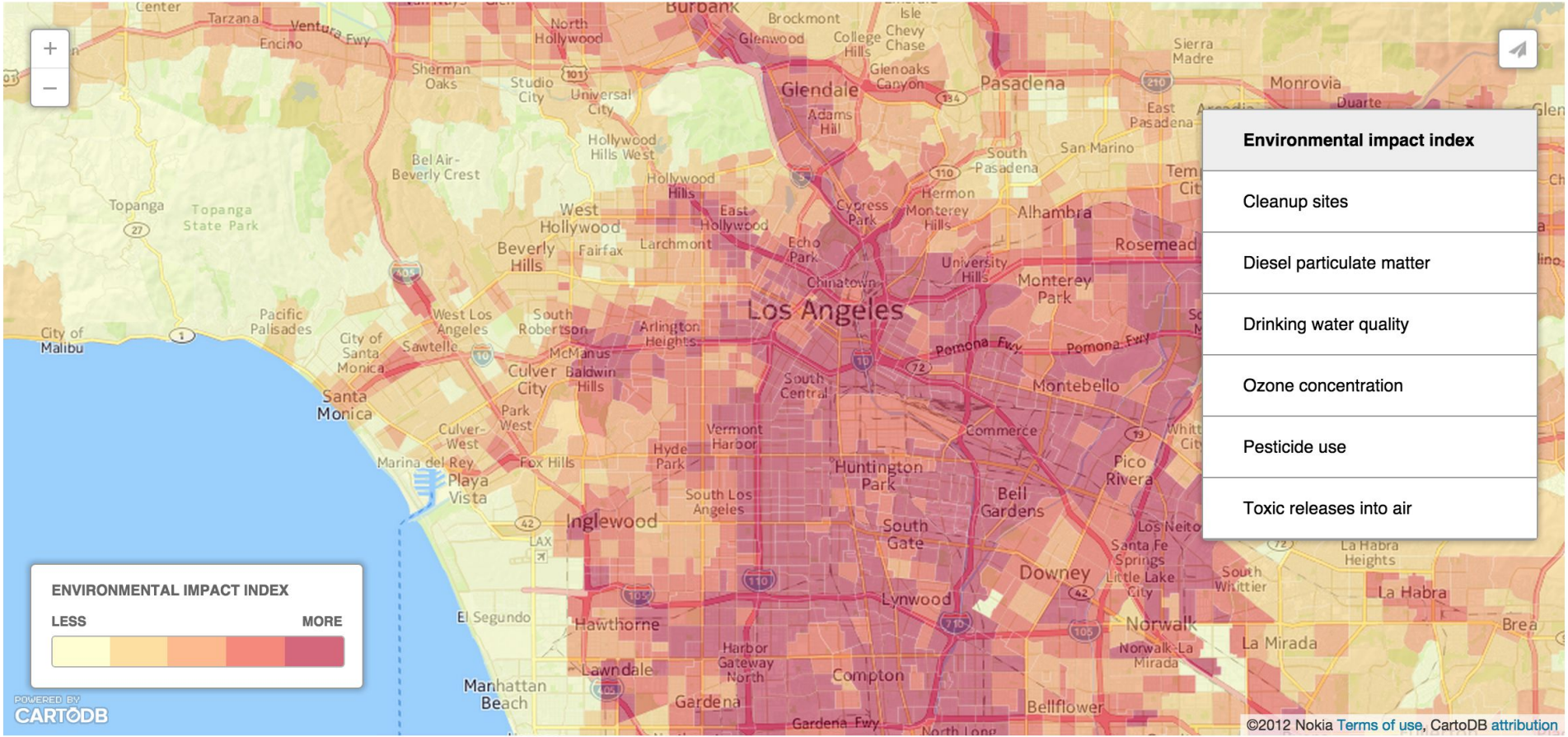


IMPORT API, LIVE DATA, REMOTE SYNC,REAL-TIME ANALYSIS, AND DYNAMIC DESIGN/VISUALIZATIONS

REAL-TIME FOREST FIRES

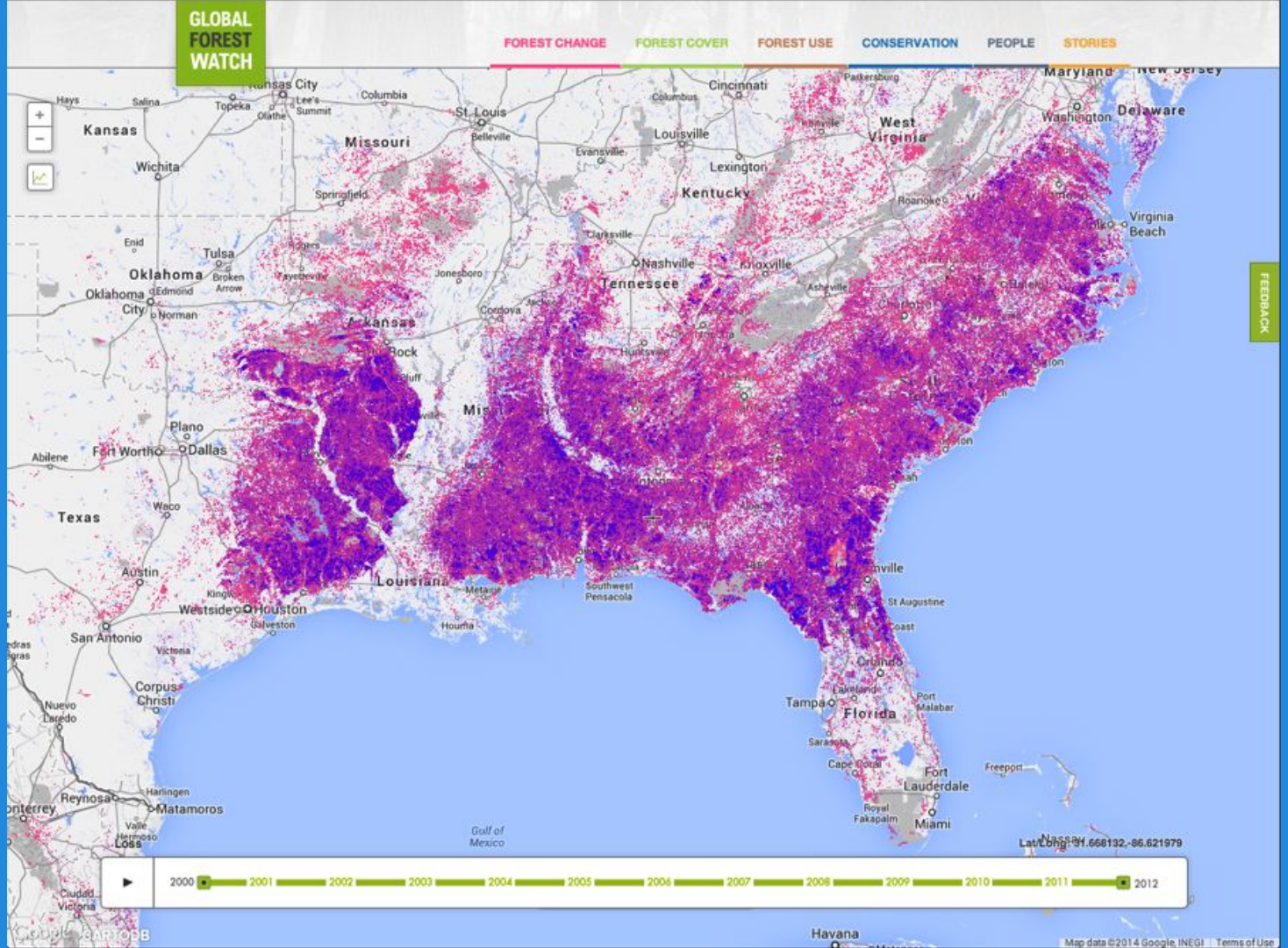


http://spillmapper.westernpriorities.org/



Note: Toxicity-weighted drinking water quality index for selected contaminants.

Sources: California Environmental Protection Agency.


GLOBAL FOREST WATCH
FOREST CHANGE
FOREST COVER
FOREST USE
CONSERVATION
PEOPLE
STORIES
FEEDBACK
Kansas
Missouri
Oklahoma
Arkansas
Tennessee
Kentucky
West Virginia
Virginia
Maryland
Delaware
Texas
Louisiana
Florida
Gulf of Mexico
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
Lat/Long: 31.668132,-86.621979
Map data ©2014 Google, INEGI
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London
The great capital of England
23:00
Olympic Village
Wembley Arena
The great capital of England
Largest and most populous city in the EU.
Buckingham Palace
Kensington palace
London Eye
City Airport
Kew Gardens
Explore The Living City
LivingCities
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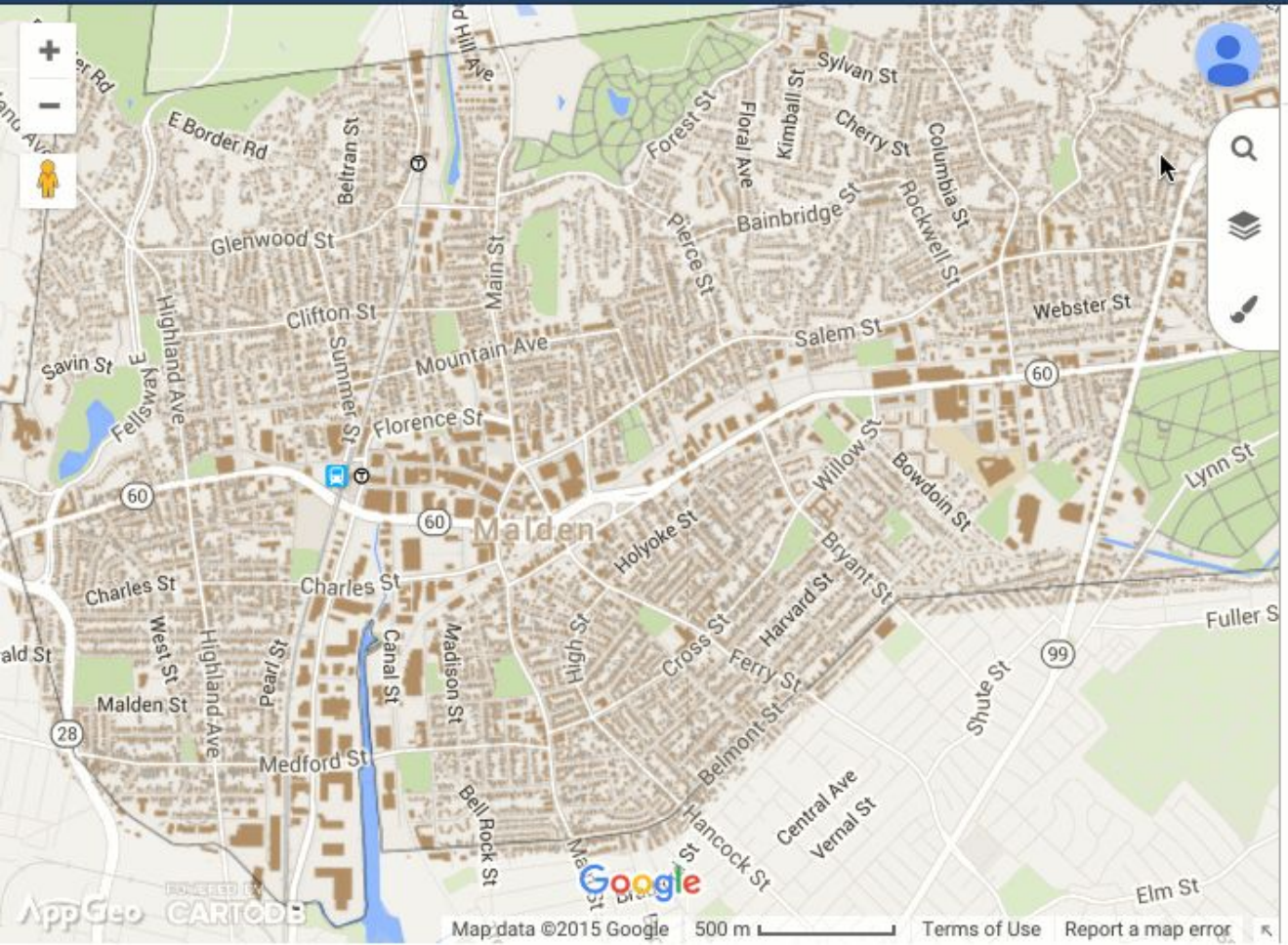
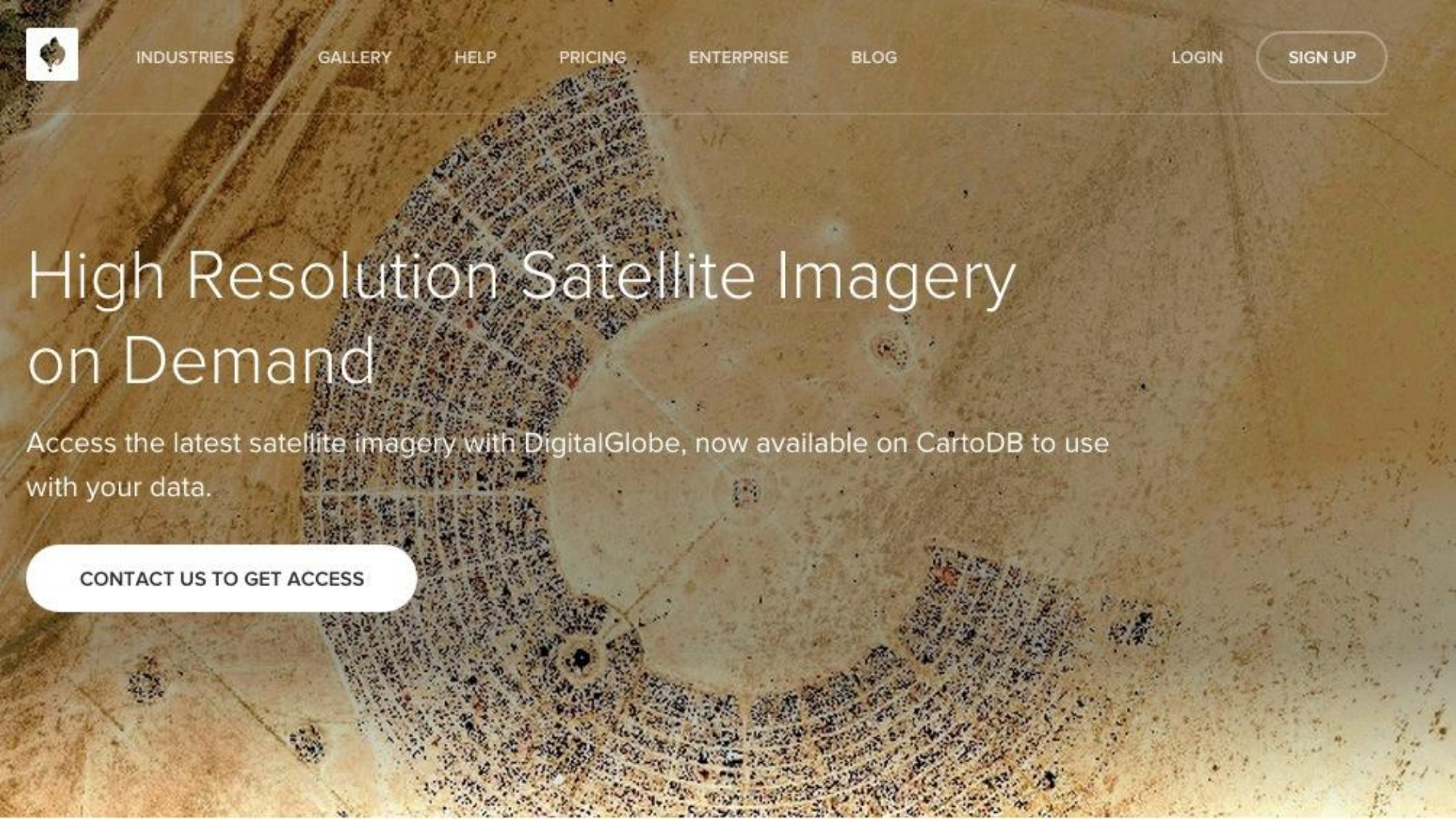
City of Malden, MA



Map Themes

Google Map

- USGS Aerial Photo, 2013 - 2014
- Aerial Photo, 2010
- Land Use
- Voting Information
- Trash Pick-up
- Zoning
- Parking
- Hazard Mitigation
- Street Sweeping
- Hurricane Inundation


INDUSTRIES
GALLERY
HELP
PRICING
ENTERPRISE
BLOG
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SIGN UP
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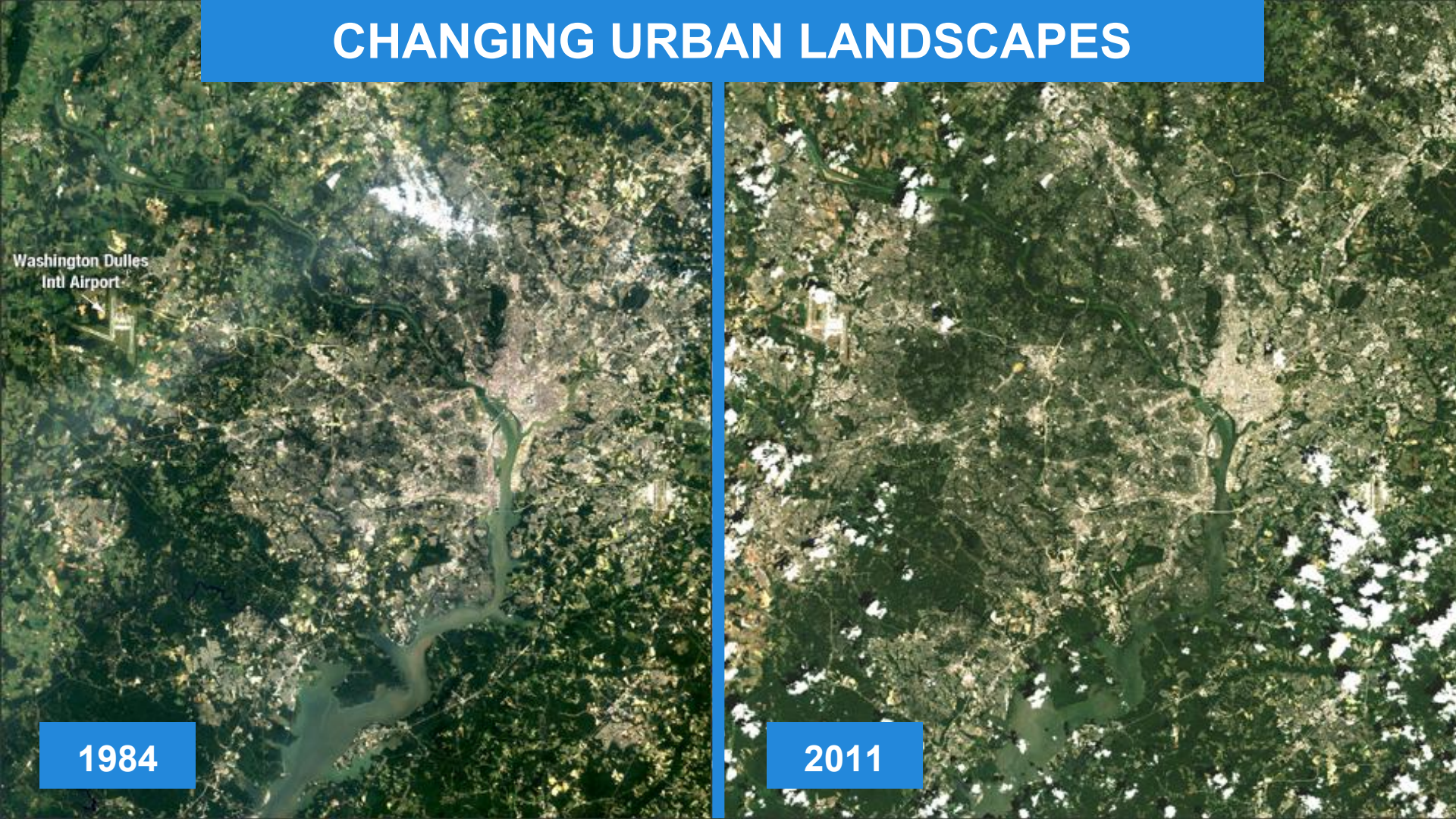
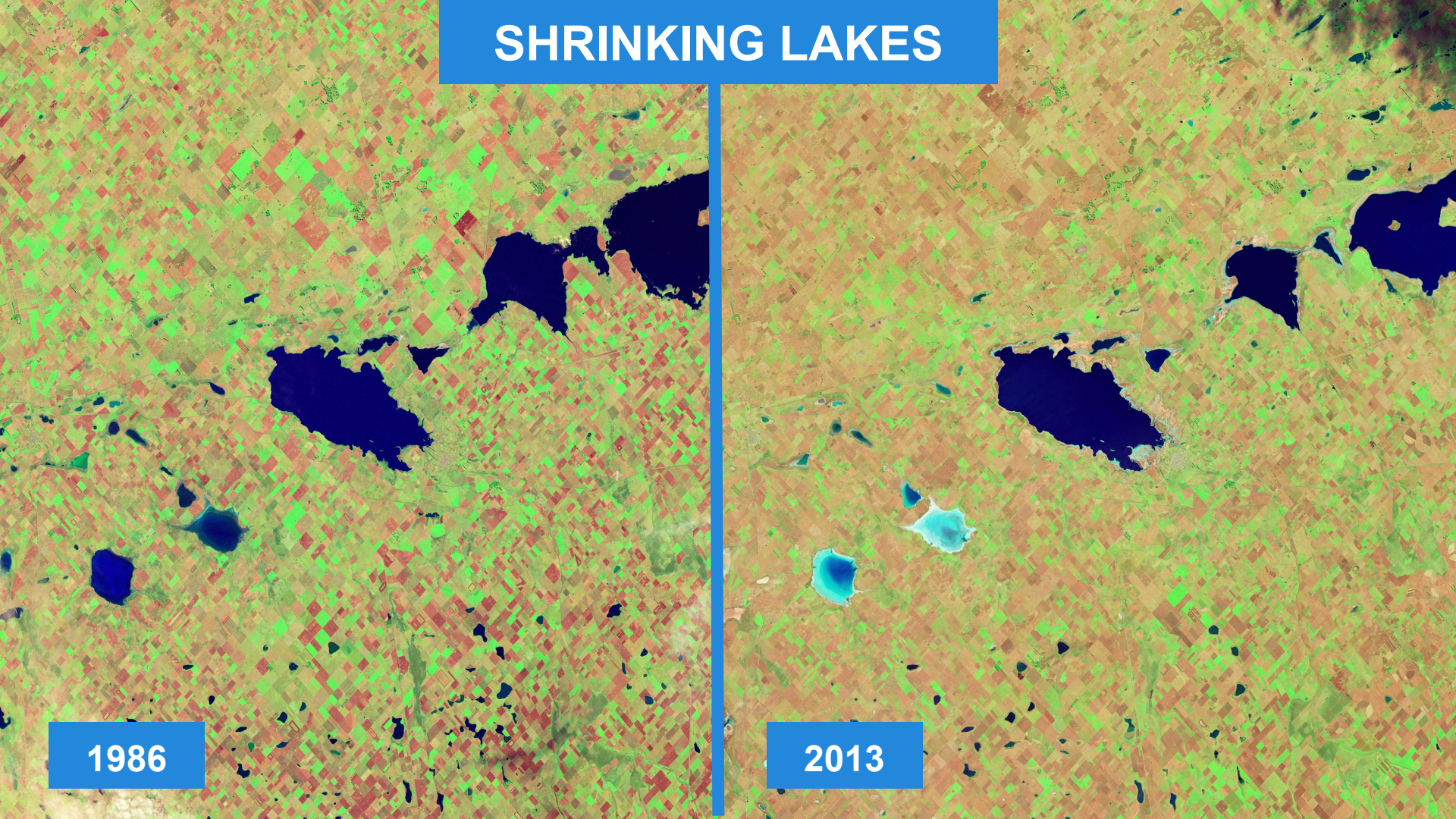
Access the latest satellite imagery with DigitalGlobe, now available on CartoDB to use with your data.
CONTACT US TO GET ACCESS

CHANGING URBAN LANDSCAPES



SHRINKING LAKES



IMAGINE THE POSSIBILITIES.

THANK YOU!

SANTIAGO@CARTODB.COM

@NAMESSANTI