„The map is not the territory.“

Alfred Korzybski

Interface Werkstatt Blockseminar || Day Two

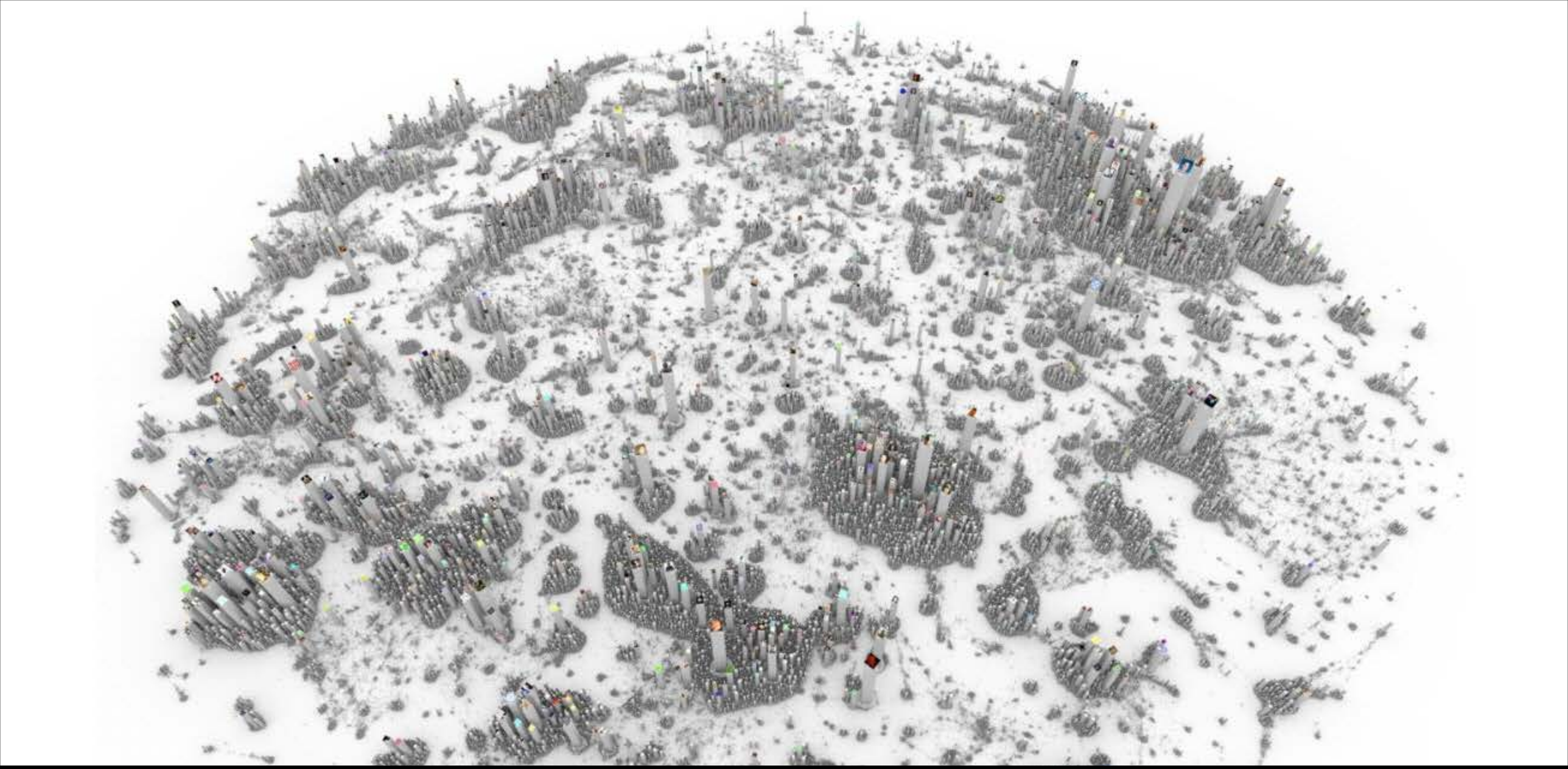
Day Two

LW126

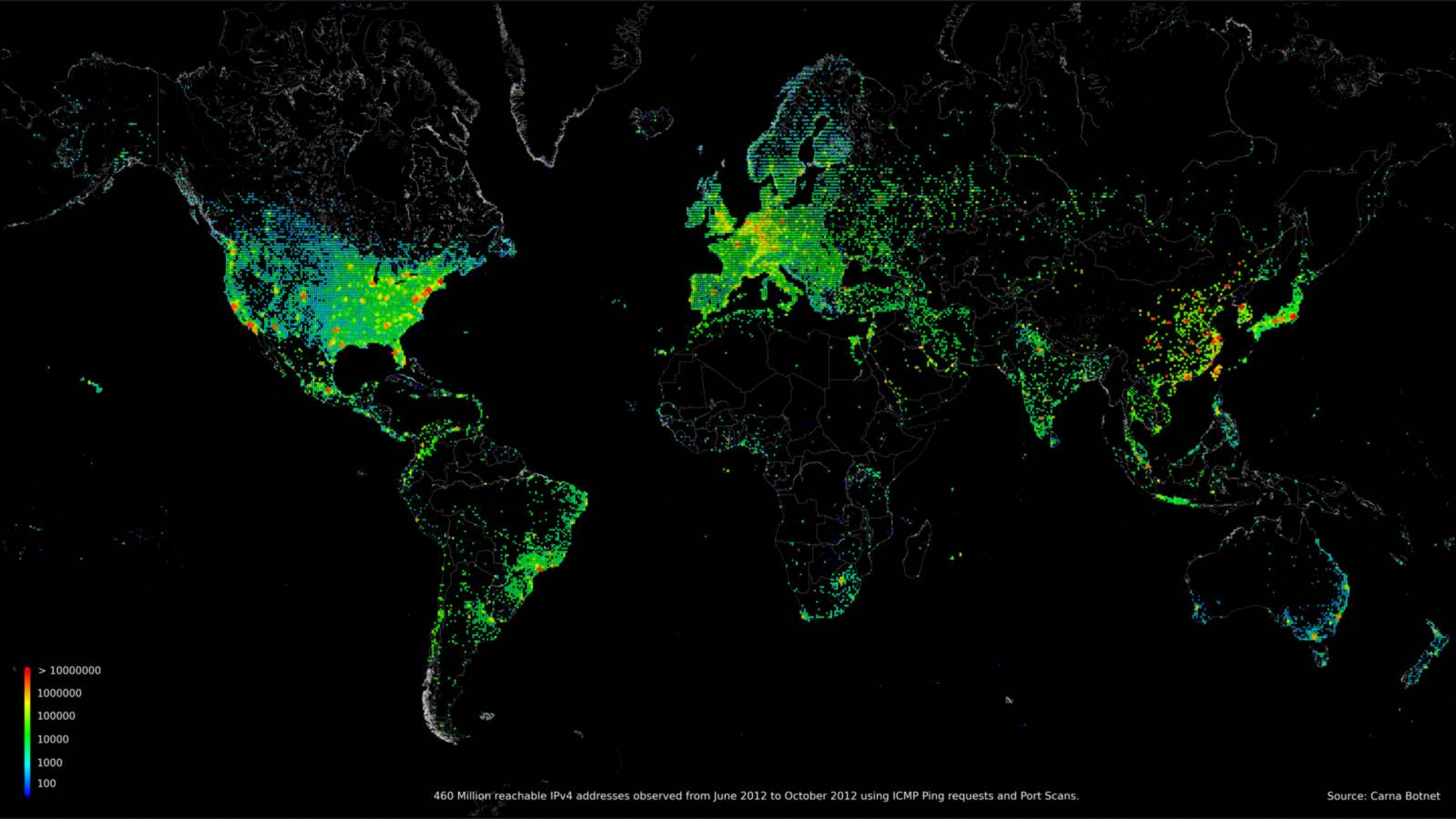
data

Visualizing the world's Twitter data - Jer Thorp

Vizicities

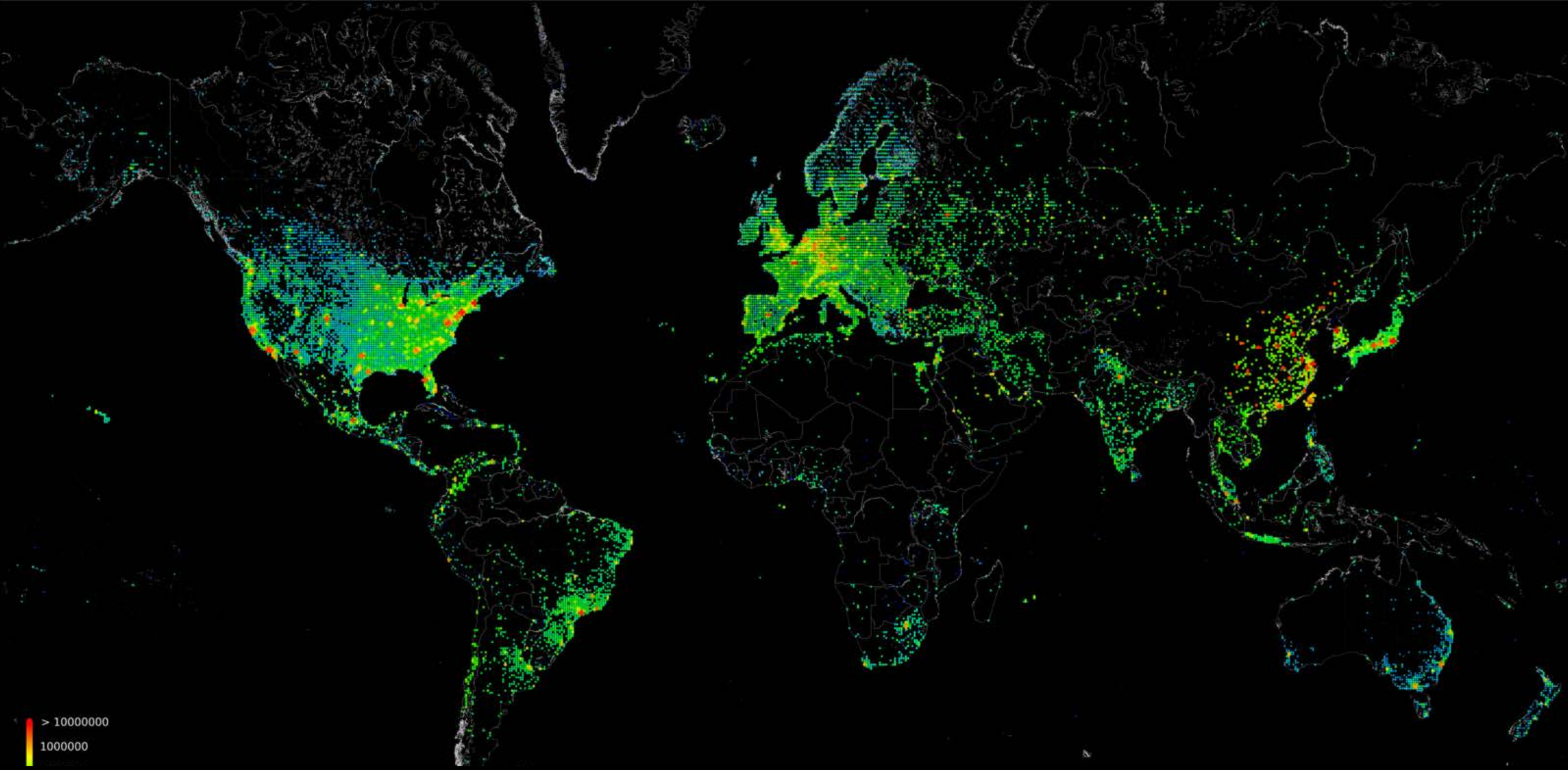


Ekisto



460 Million reachable IPv4 addresses observed from June 2012 to October 2012 using ICMP Ping requests and Port Scans.

Source: Carna Botnet



Internet Census

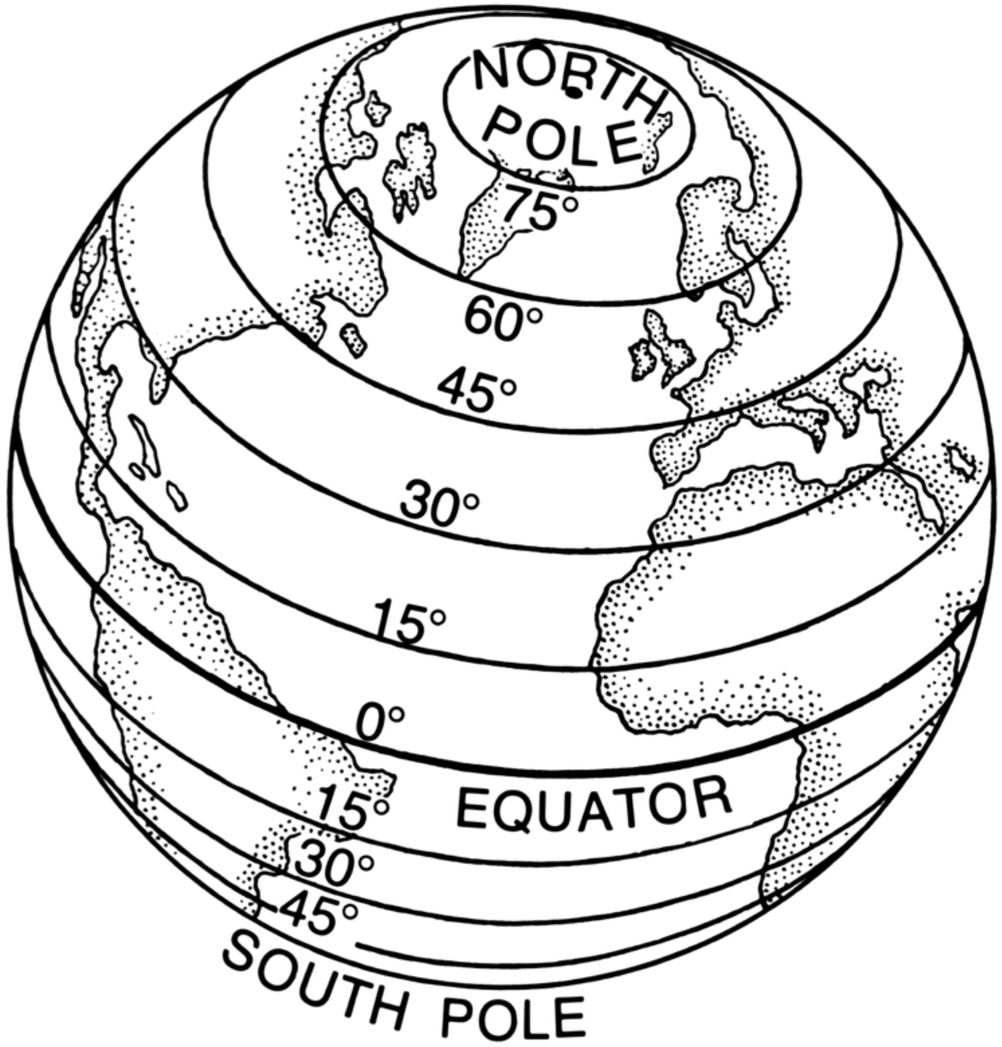
Data Viz

Geo Data

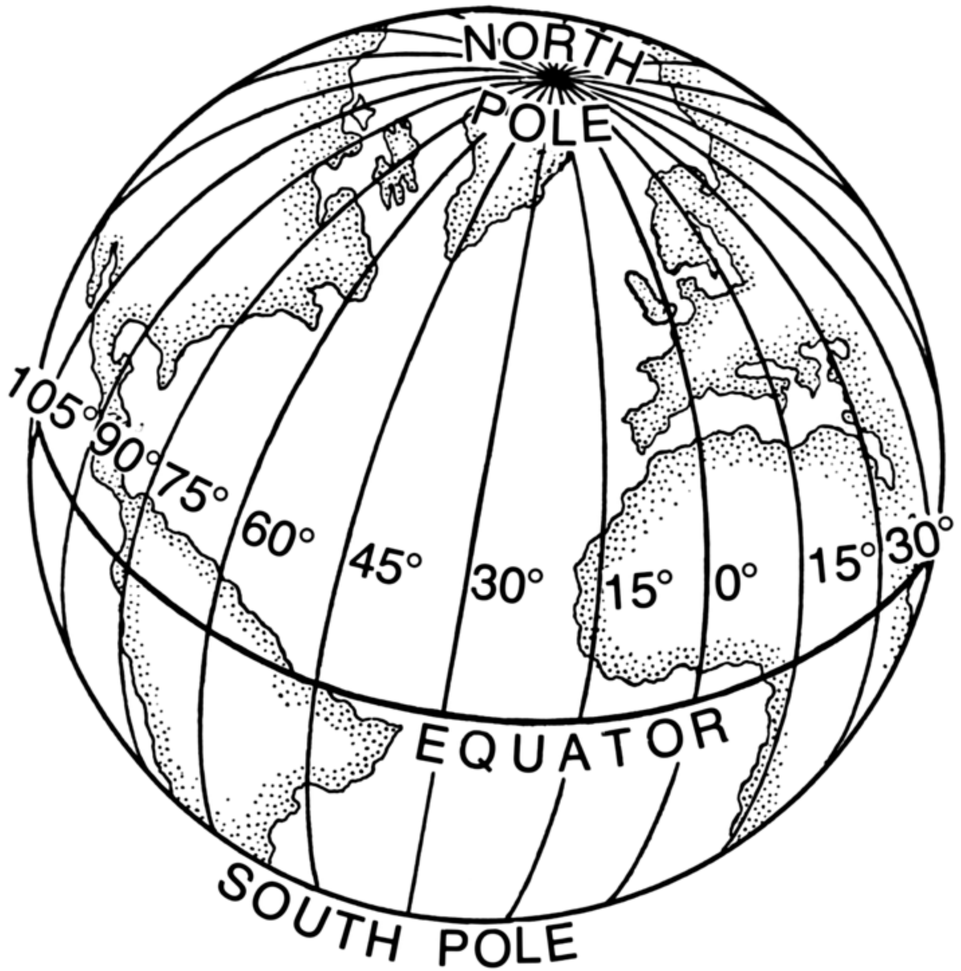
NASA Earth Observatory

Latitude & Longitude

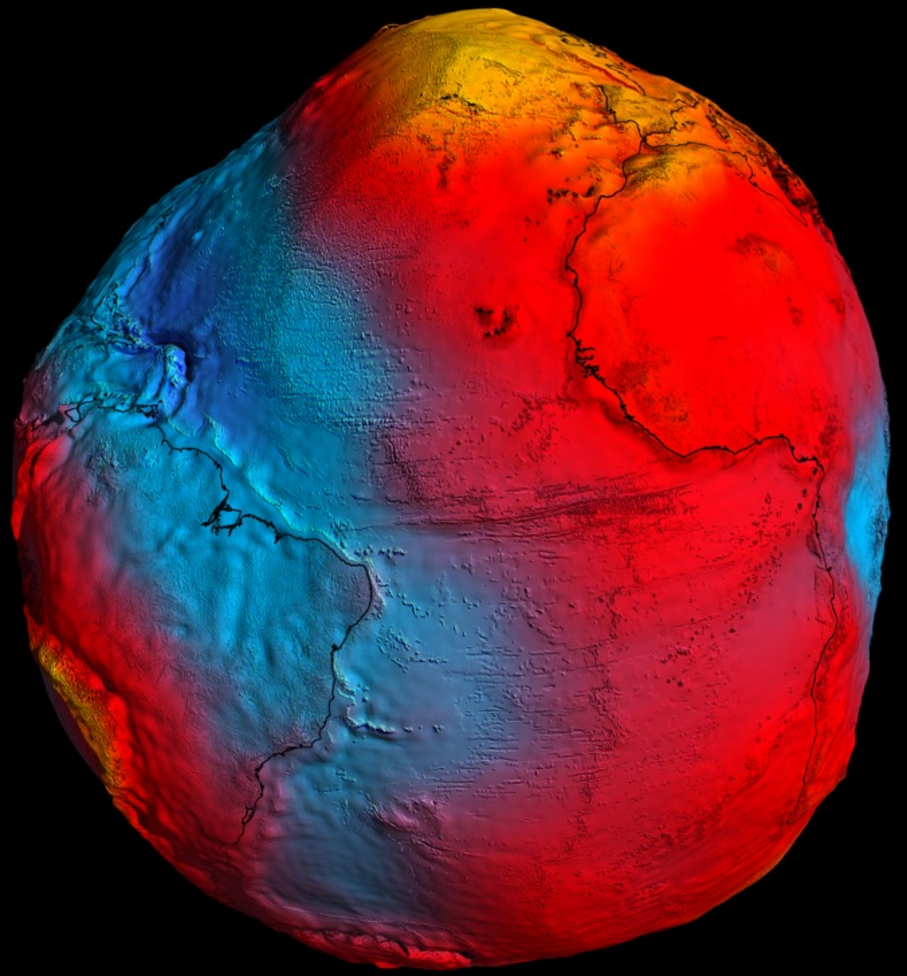
+ Elevation



Latitude



Longitude



Geoid

Matthäus Seutter

github.com/mbostock/d3/wiki/Geo-Projections — Geo Projections · mbostock/d3 Wiki

Reader

This repository | Search or type a command | Explore | Gist | Blog | Help | fabiantheblind

PUBLIC mbostock / d3

Watch 1,939 | Unstar 22,664 | Fork 4,684

Home | Pages | History | New Page

Geo Projections

Edit Page | Page History | Clone URL

Wiki ▸ API Reference ▸ Geo ▸ Geo Projections

Several common projections are included with default build of D3; these are shown below. Numerous less-common projections are available in the extended geographic projections plugin and the polyhedral projection plugin.

d3.geo.albersUsa

d3.geo.azimuthalEqualArea

d3.geo.azimuthalEquidistant

d3.geo.conicEqualArea

d3.geo.conicConformal

d3.geo.conicEquidistant

d3.geo.equirectangular

d3.geo.gnomonic

d3.geo.mercator

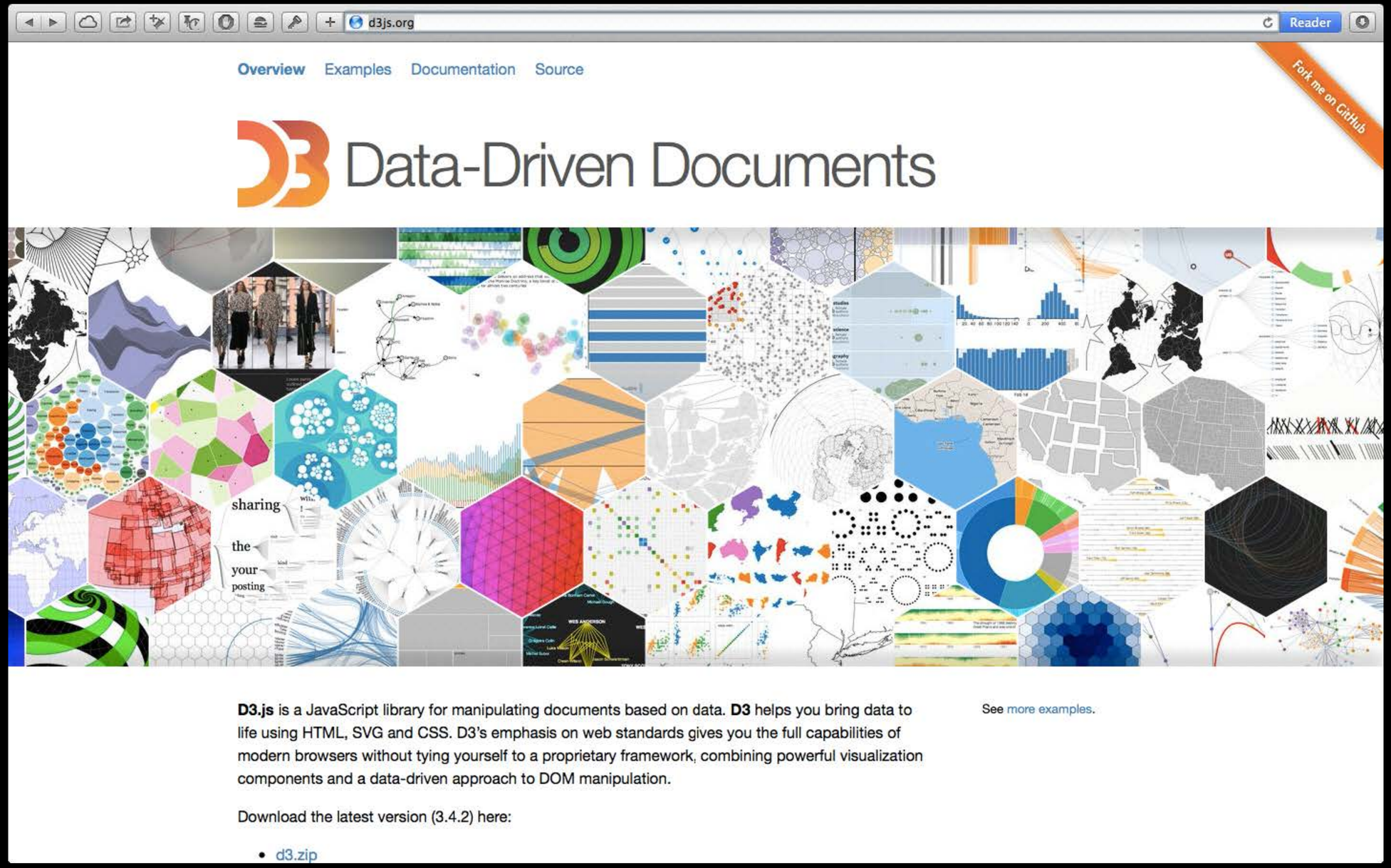
d3.geo.orthographic

d3.geo.stereographic

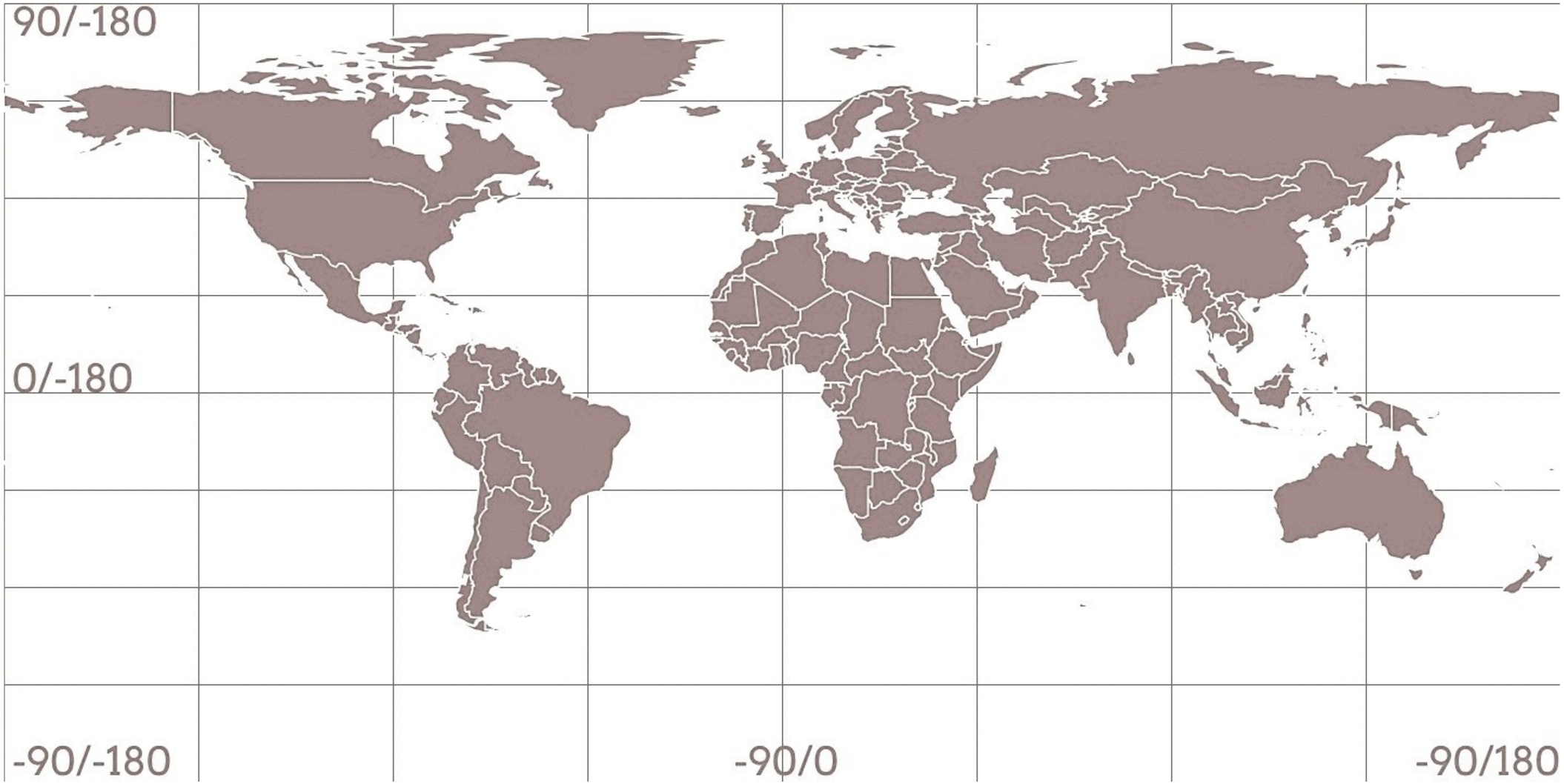
d3.geo.transverseMercator

Standard Abstract Projection

D3 GeoProjections


d3js.org
Reader
Overview Examples Documentation Source
Fork me on GitHub
Data-Driven Documents
sharing
the
your
posting
D3.js is a JavaScript library for manipulating documents based on data. D3 helps you bring data to life using HTML, SVG and CSS. D3's emphasis on web standards gives you the full capabilities of modern browsers without tying yourself to a proprietary framework, combining powerful visualization components and a data-driven approach to DOM manipulation.
See more examples.
Download the latest version (3.4.2) here:
d3.zip

D3 - d3js.org


90/-180
0/-180
-90/-180
-90/0
-90/180

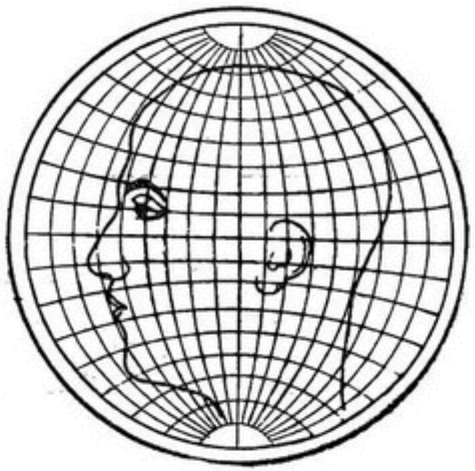


FIG. 42.—Man's head drawn on globular projection.

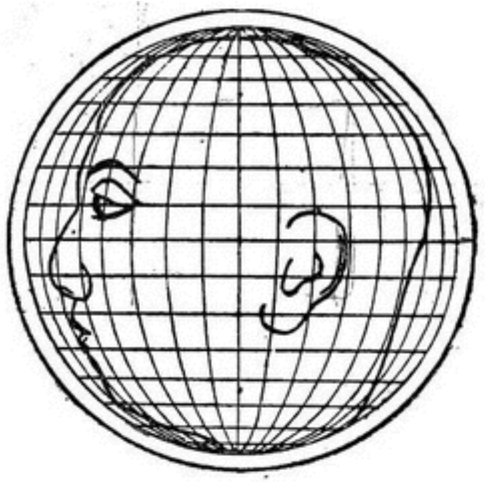


FIG. 43.—Man's head plotted on orthographic projection.

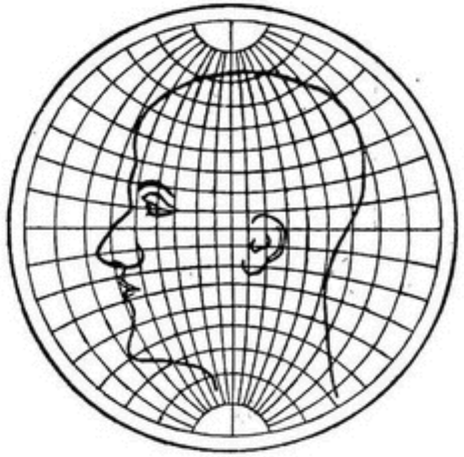


FIG. 44.—Man's head plotted on stereographic projection.

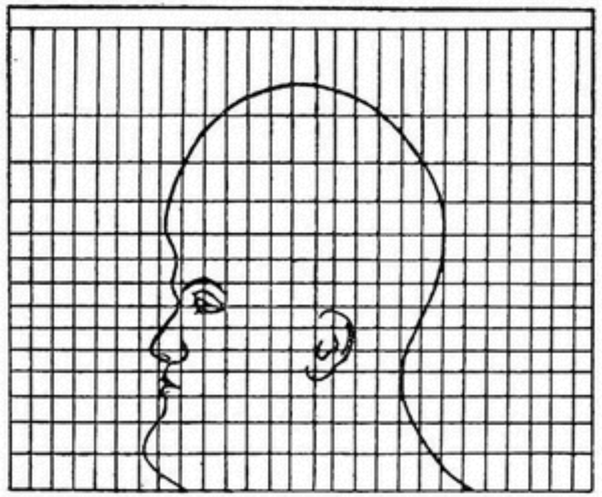
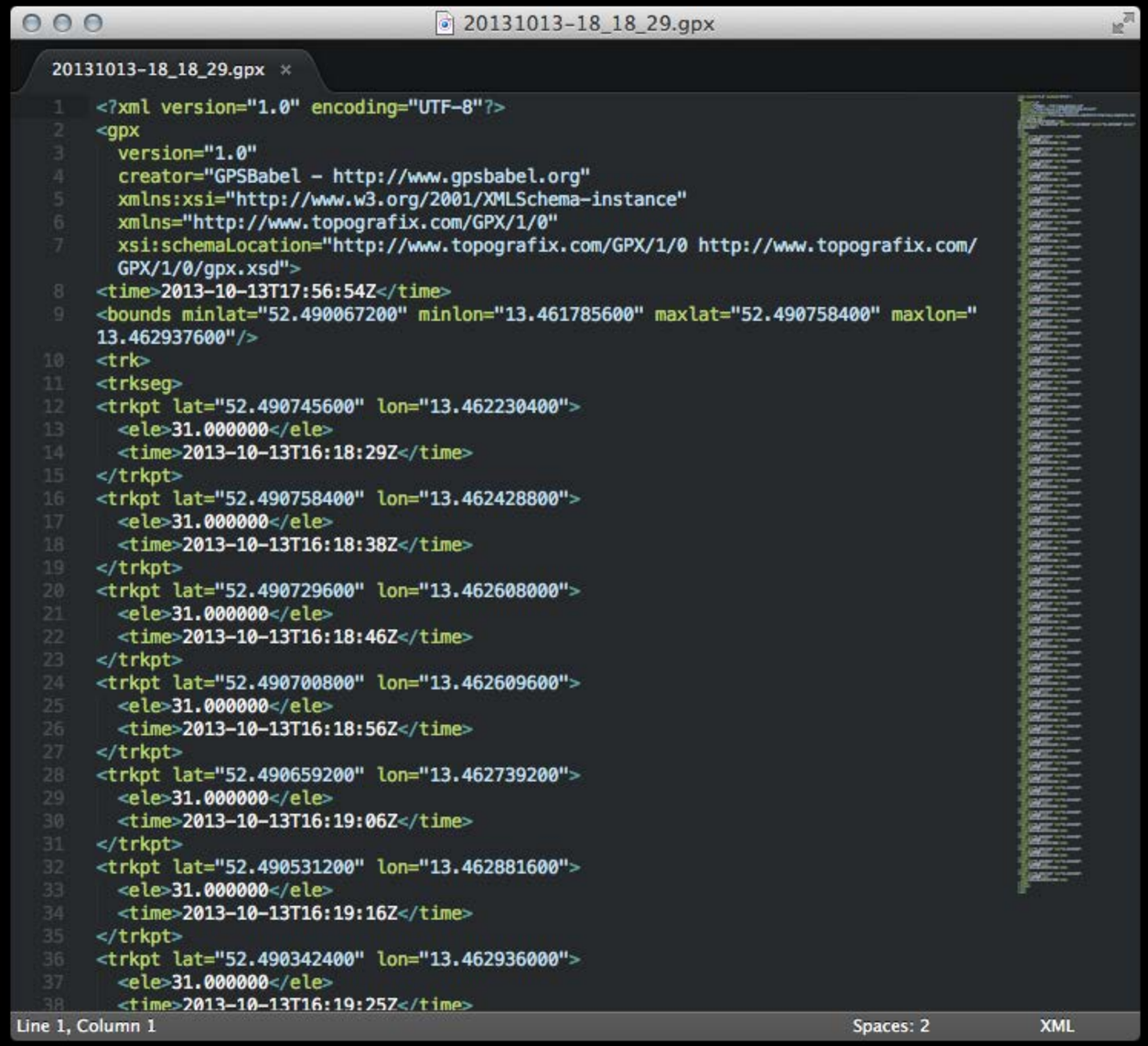


FIG. 45.—Man's head plotted on Mercator projection.

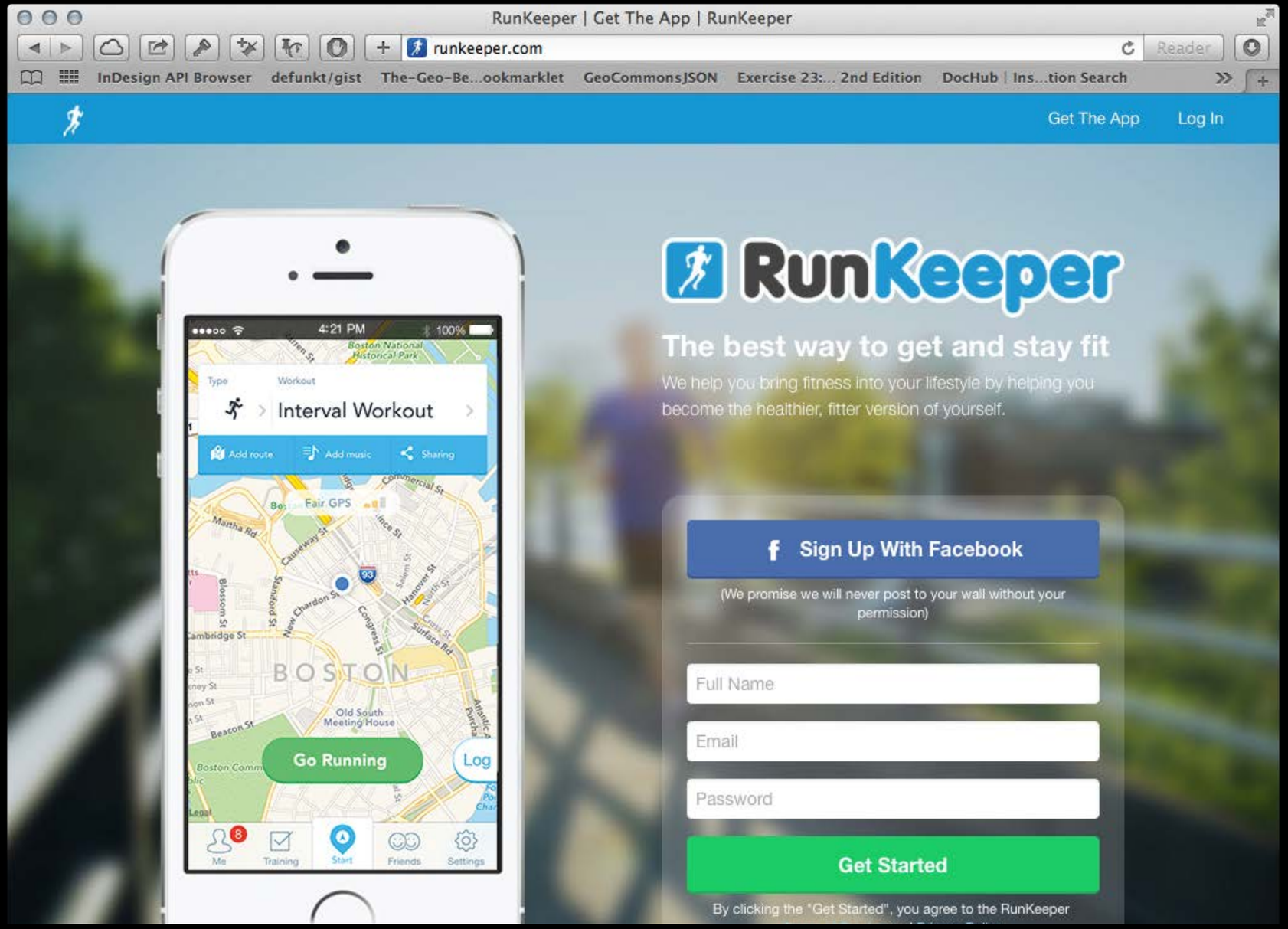
Collect Data



GPS eXchange Format - Extensible Markup Language (XML)

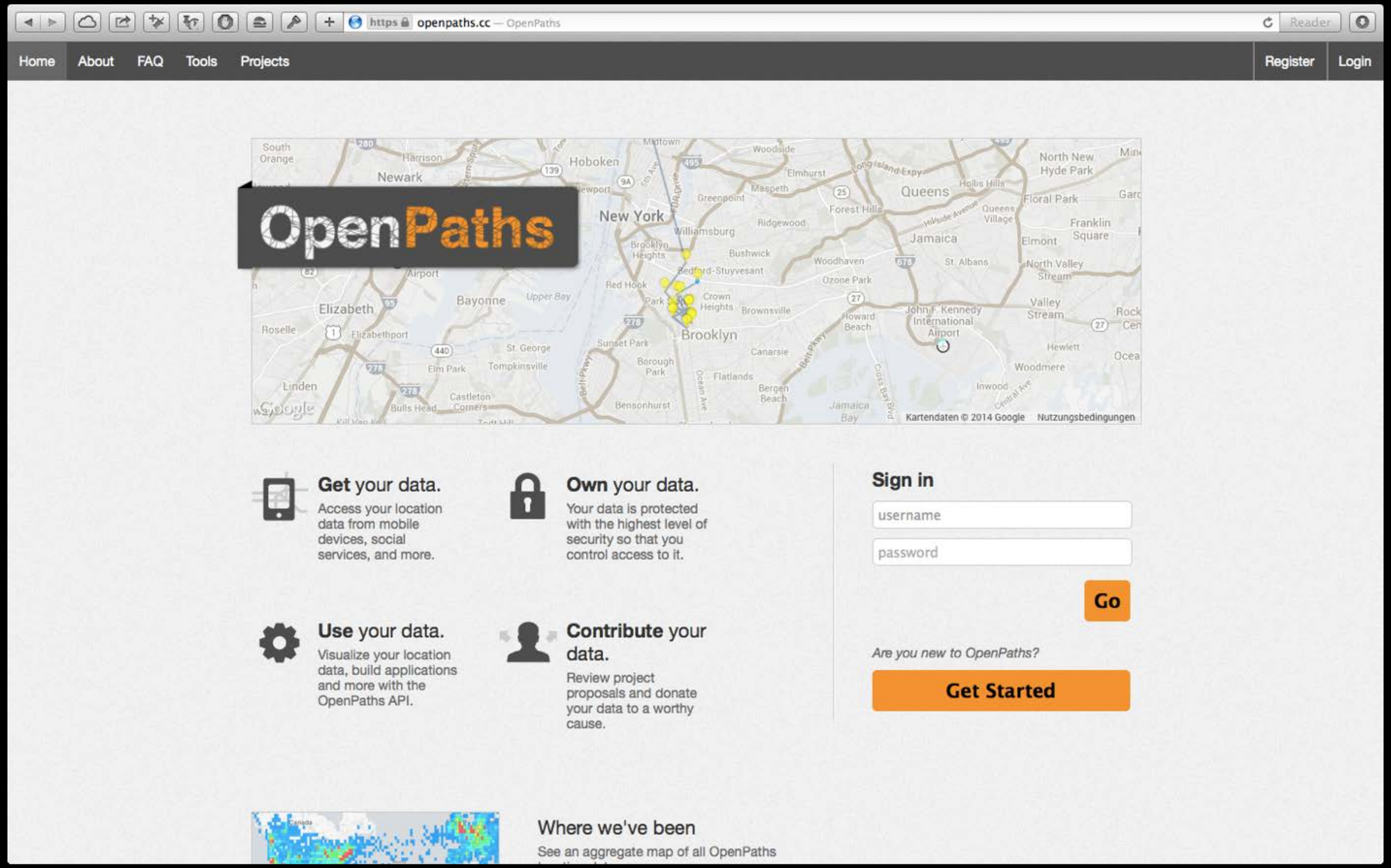
```
  GPX/1/0/gpx.xsd">
<time>2013-10-13T17:56:54Z</time>
<bounds minlat="52.490067200" minlon="13.461785600" maxlat="52.490758400" maxlon="
13.462937600"/>
<trk>
<trkseg>
<trkpt lat="52.490745600" lon="13.462230400">
  <ele>31.000000</ele>
  <time>2013-10-13T16:18:29Z</time>
</trkpt>
<trkpt lat="52.490758400" lon="13.462428800">
  <ele>31.000000</ele>
  <time>2013-10-13T16:18:38Z</time>
</trkpt>
<trkpt lat="52.490729600" lon="13.462608000">
  <ele>31.000000</ele>
  <time>2013-10-13T16:18:46Z</time>
</trkpt>
<trkpt lat="52.490700800" lon="13.462609600">
  <ele>31.000000</ele>
  <time>2013-10-13T16:18:56Z</time>
</trkpt>
<trkpt lat="52.490659200" lon="13.462739200">
  <ele>31.000000</ele>
  <time>2013-10-13T16:19:06Z</time>
</trkpt>
```

WBT 202



runkeeper.com

GSM (Global System for Mobile Communications)



openpaths.cc

johnnycashhasbeeneverywhere.com - Iain Mullan

Geo Coding

Transform Data

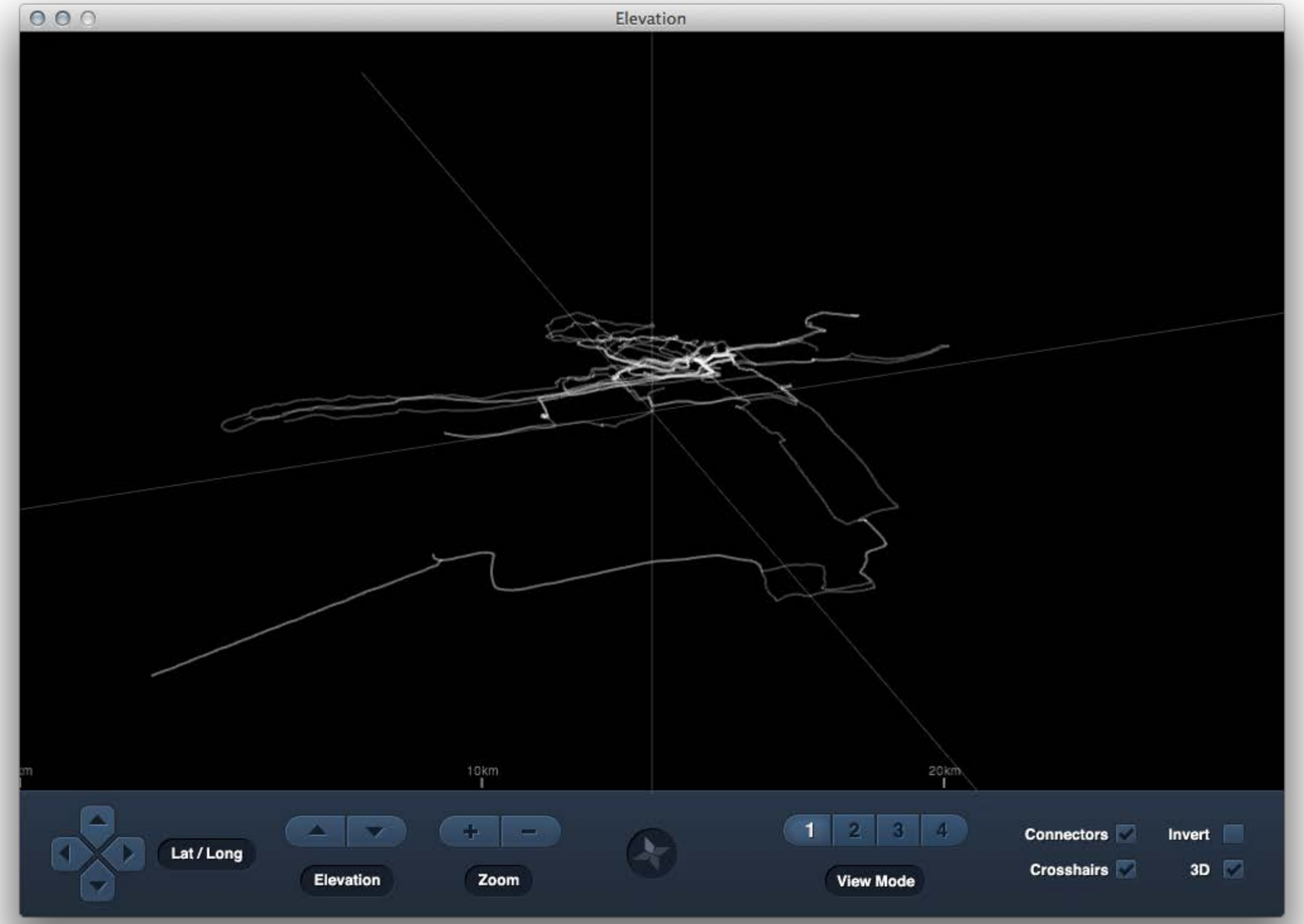
gpsbabel.org

[MAC]: brew install gpsbabel

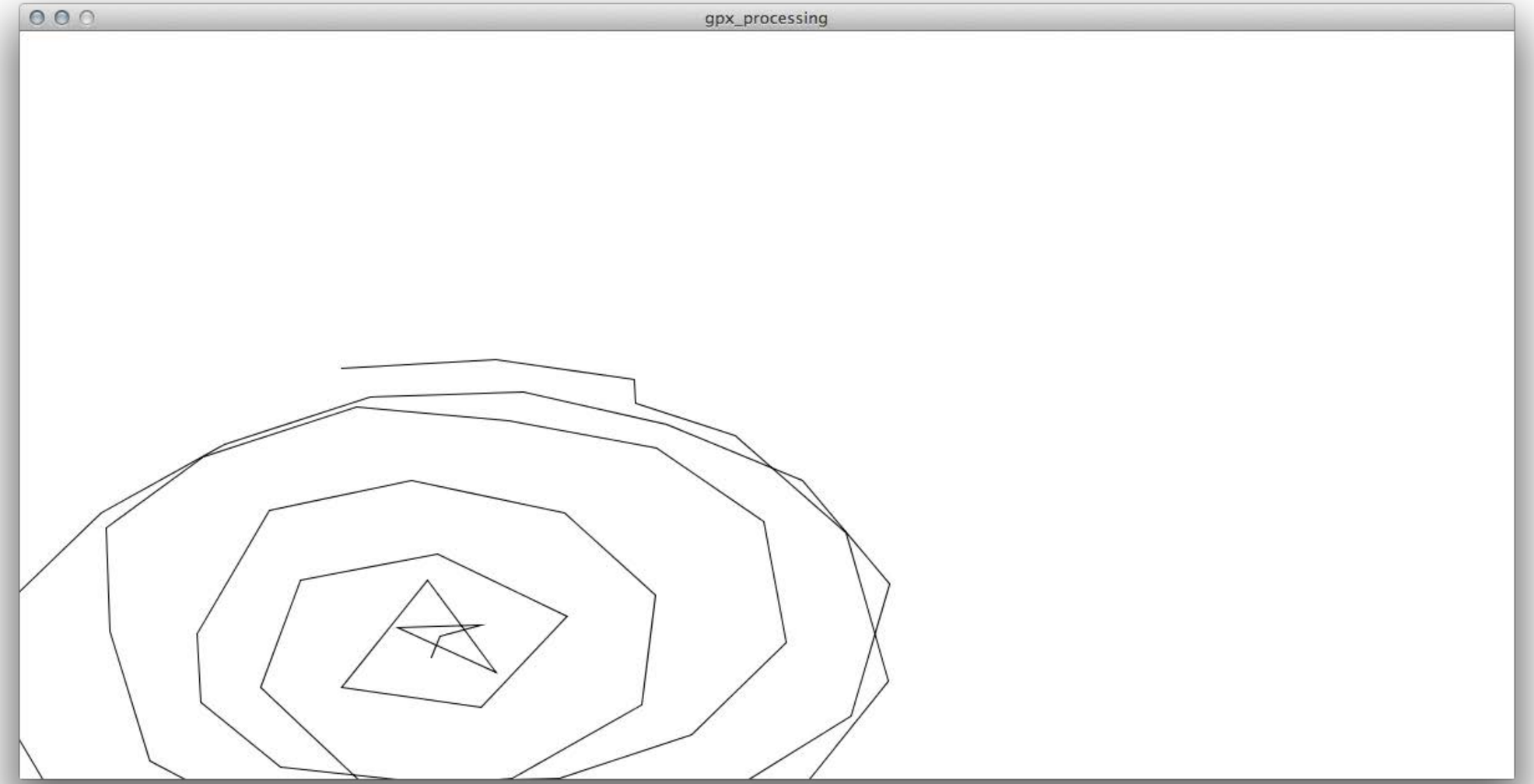
[MAC]: gpsbabel -i kml -f in.kml -o gpx -F out.gpx

gist.github.com/fabiantheblind/6949975

Evaluate Data

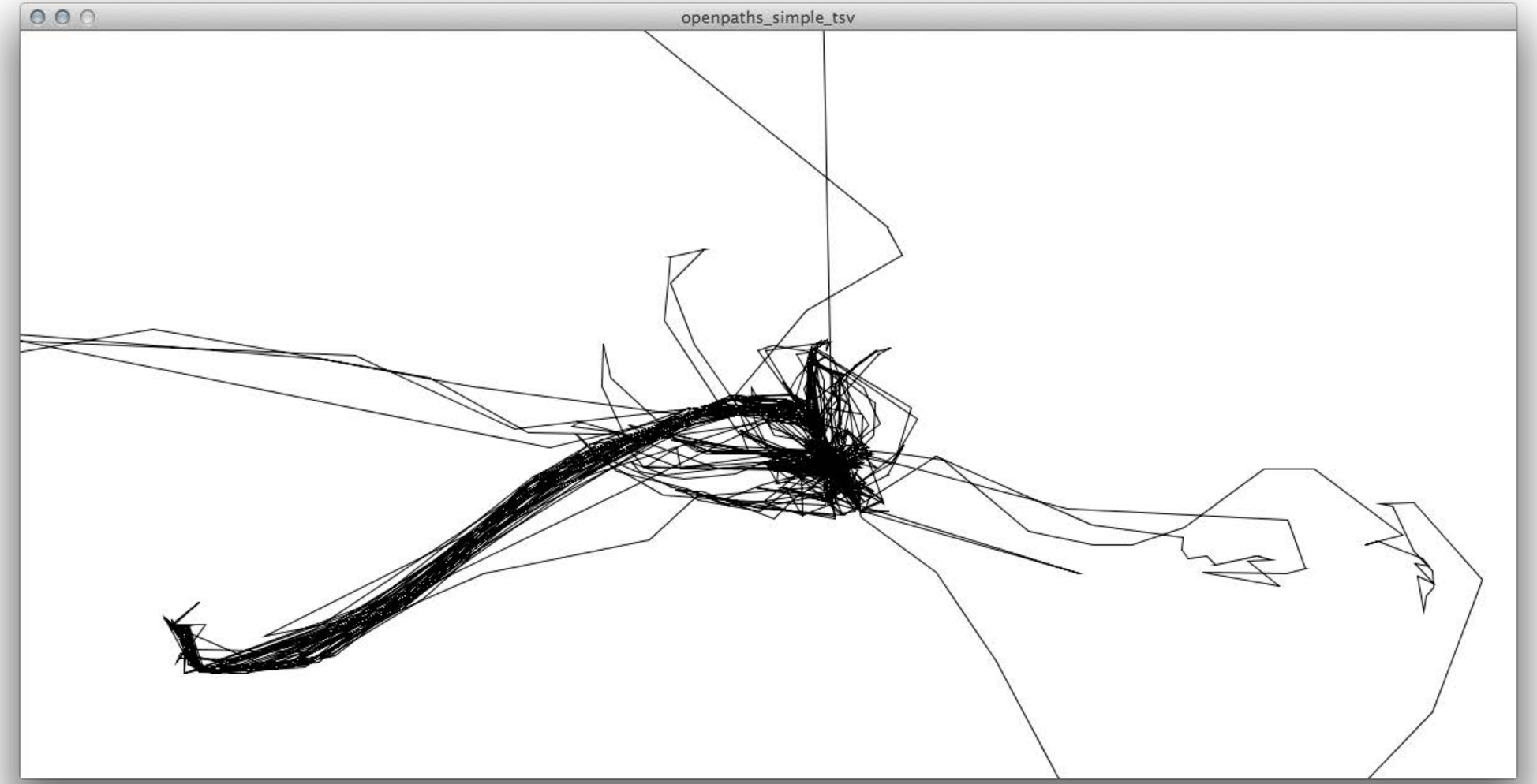


exnihilo.mezzoblue.com/elevation/

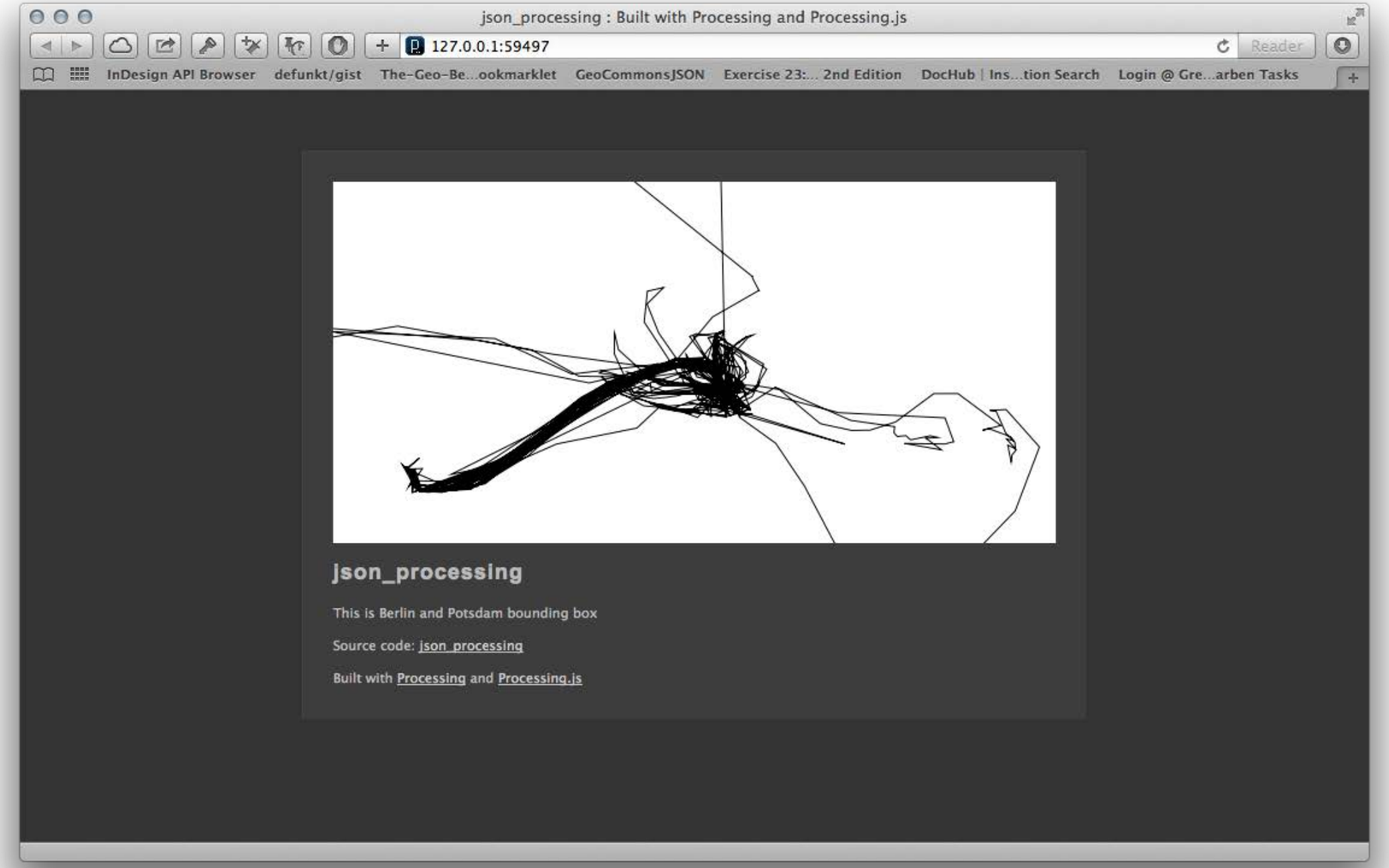


github.com/fabiantheblind/gpx_processing

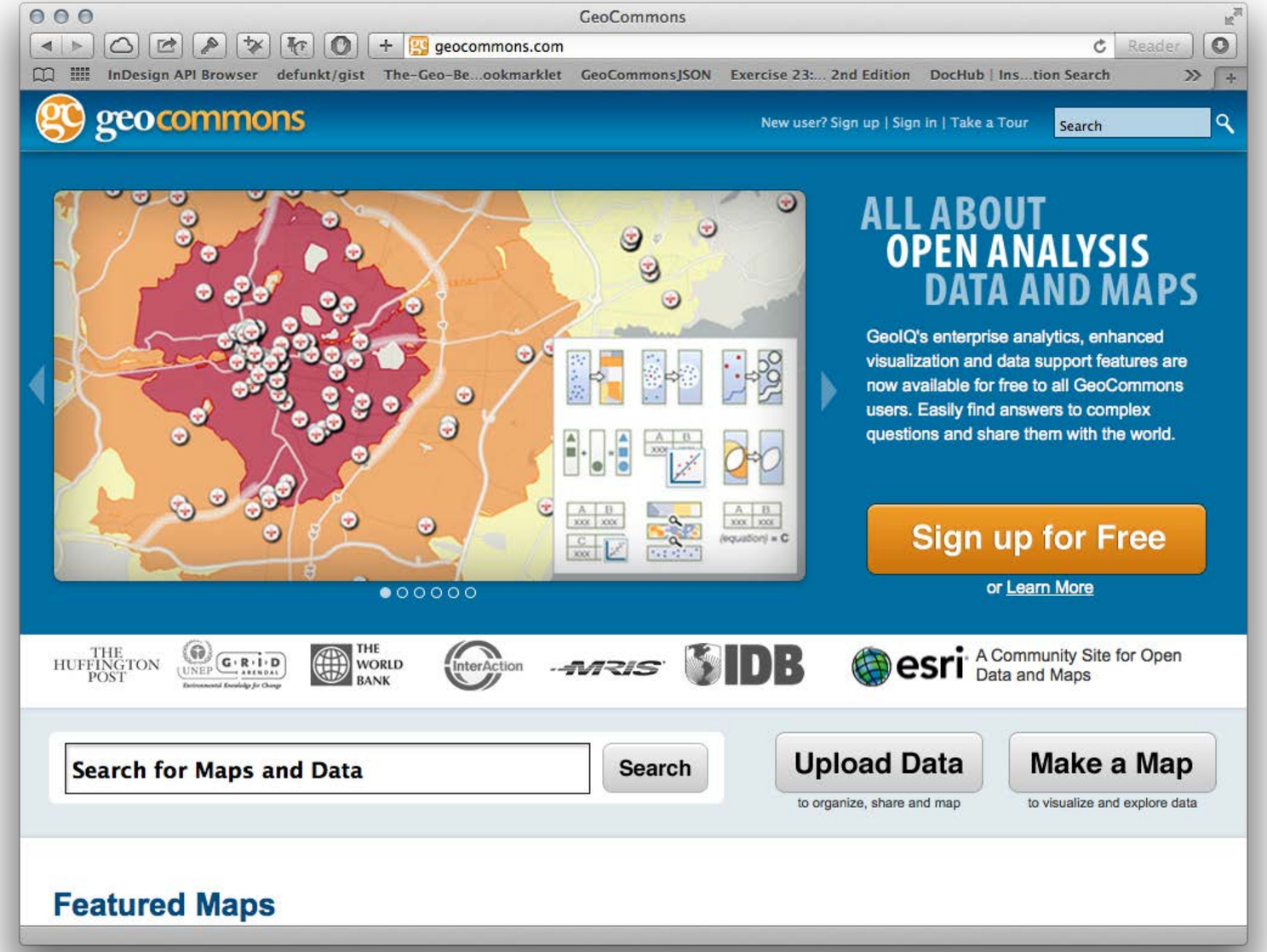
Evaluate Data



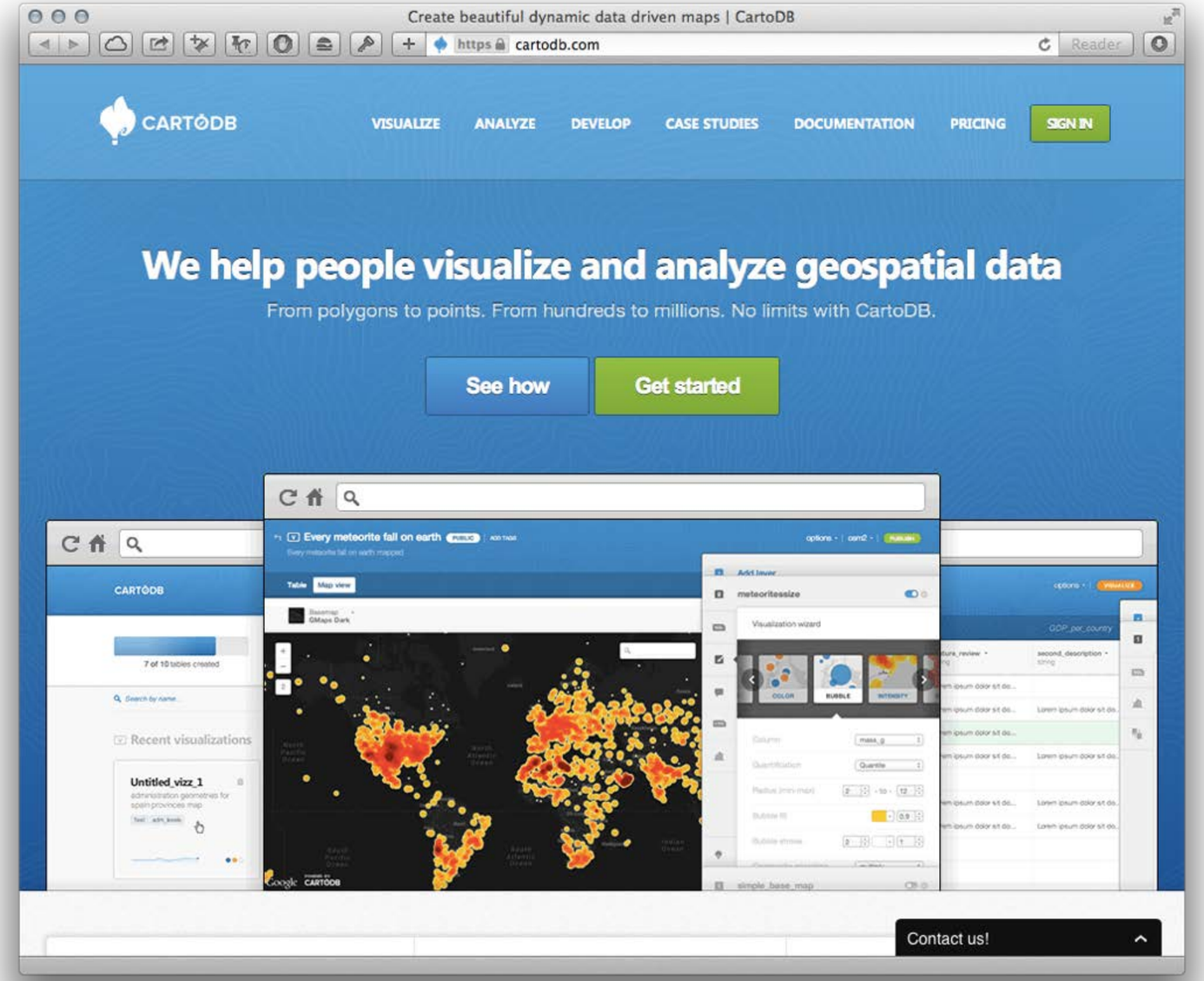
github.com/fabiantheblind/tsv_processing



github.com/fabiantheblind/json_processing



geocommons.com


Create beautiful dynamic data driven maps | CartoDB
https cartodb.com
Reader
CARTODB
VISUALIZE
ANALYZE
DEVELOP
CASE STUDIES
DOCUMENTATION
PRICING
SIGN IN
We help people visualize and analyze geospatial data
From polygons to points. From hundreds to millions. No limits with CartoDB.
See how
Get started
Every meteorite fall on earth
Recent visualizations
Untitled_vizz_1
Contact us!

cartodb.com

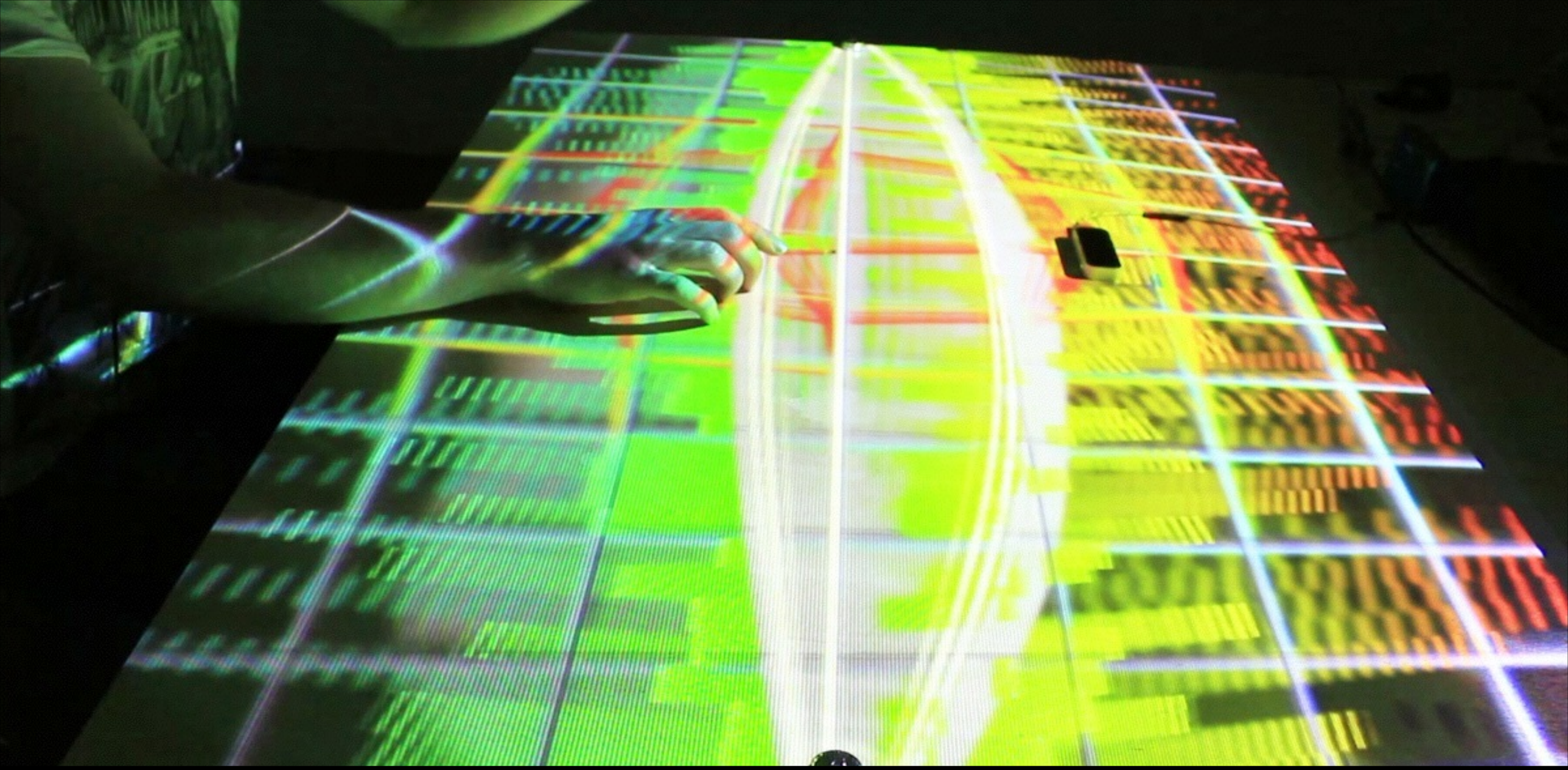
mapschool.io

?

Multitouch

Mehrfingergestenerkennung

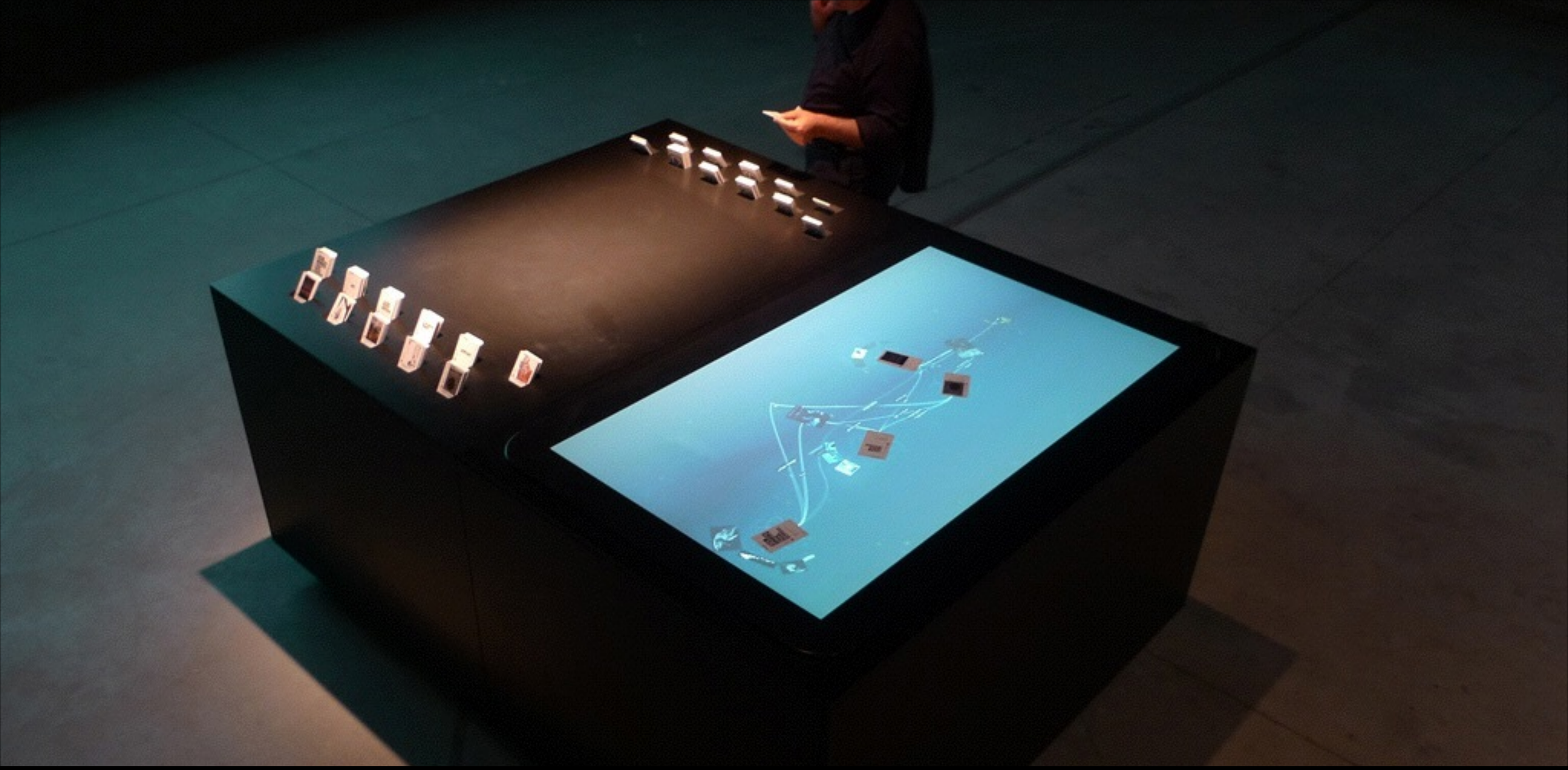
Reactable



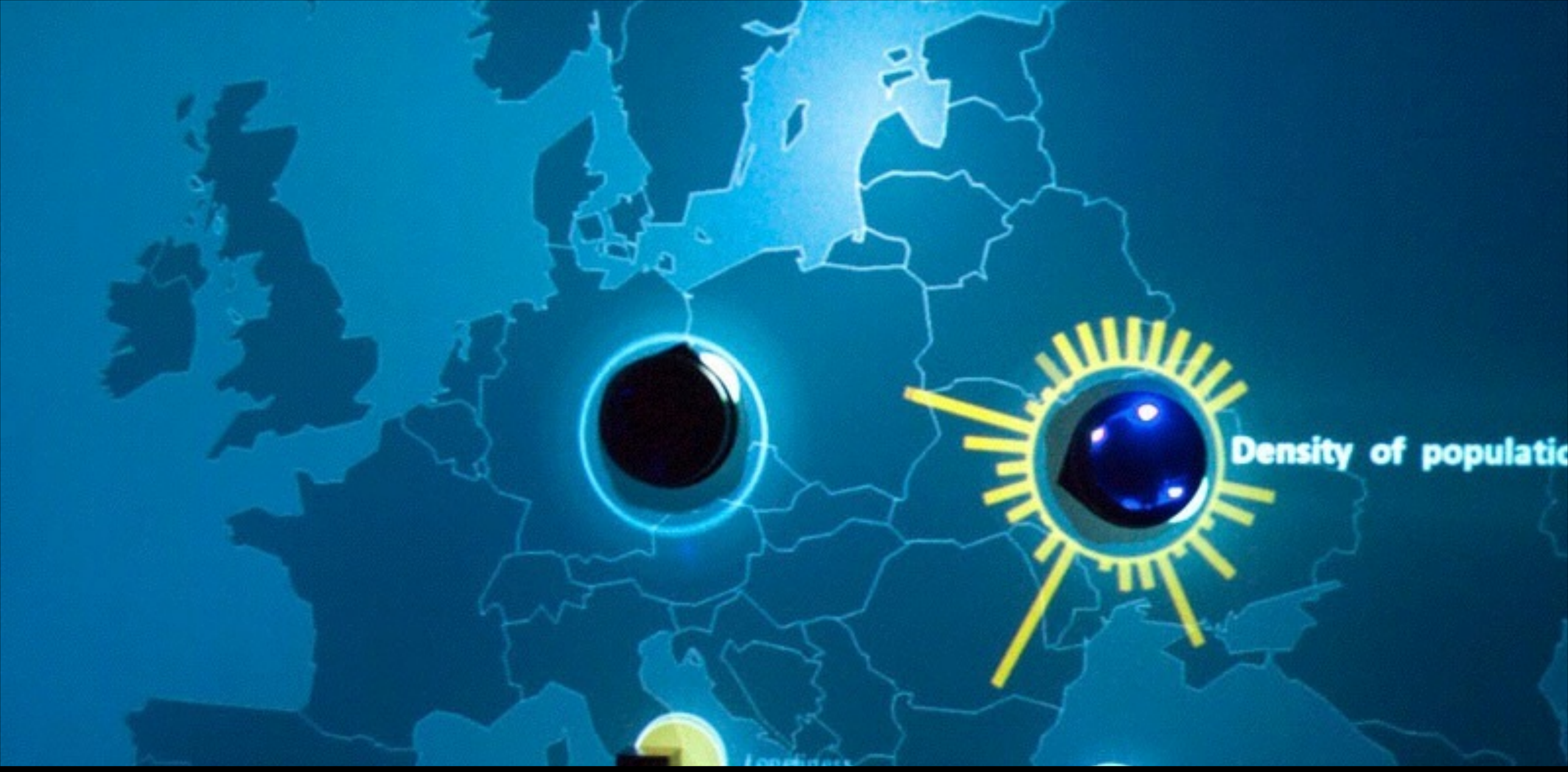
Contact - Felix Faire

Multitouch @FHP

CityOfFlow.mp4

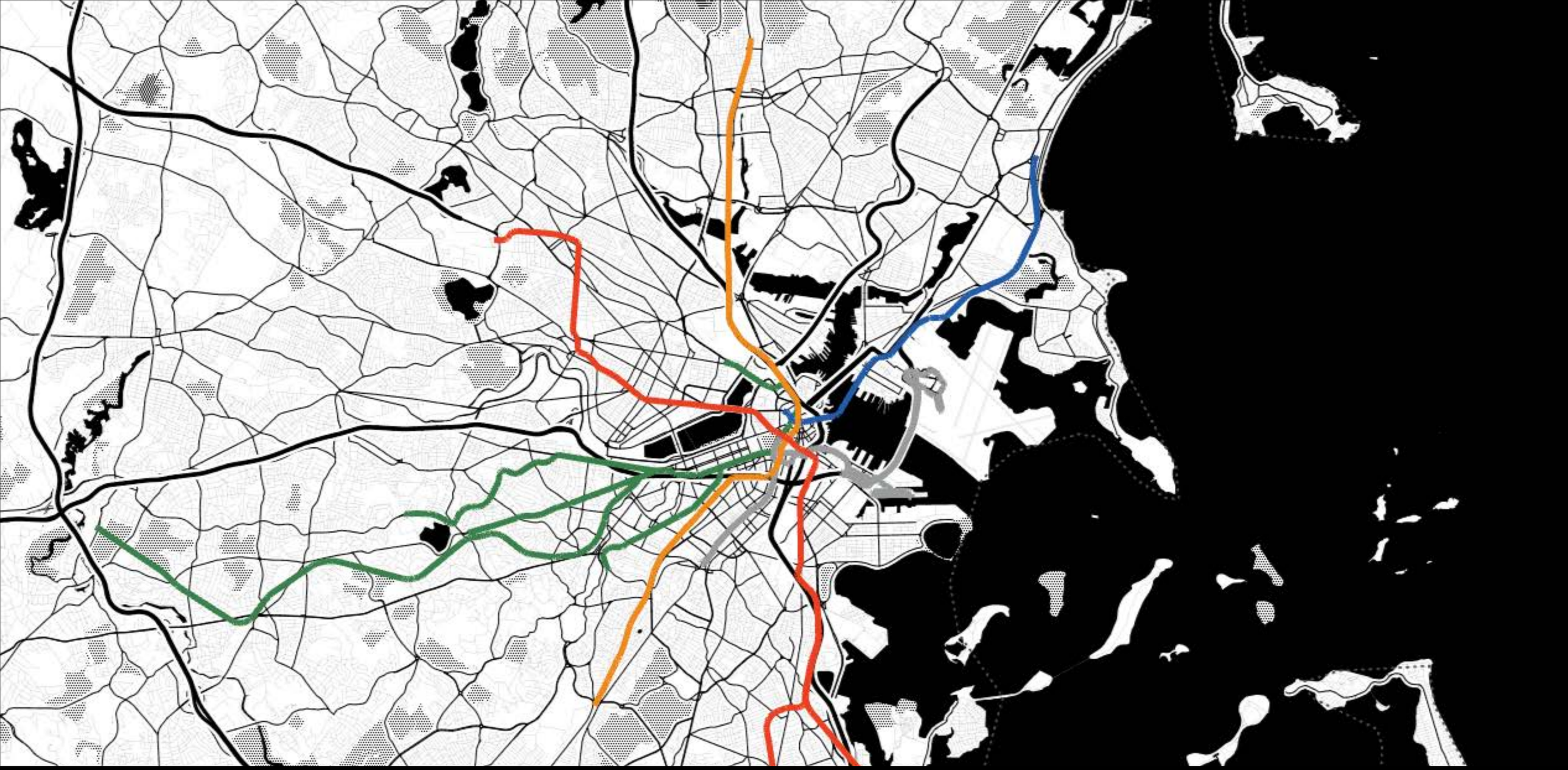


Maeve 4 MACE



Angst

Venice Unfolding

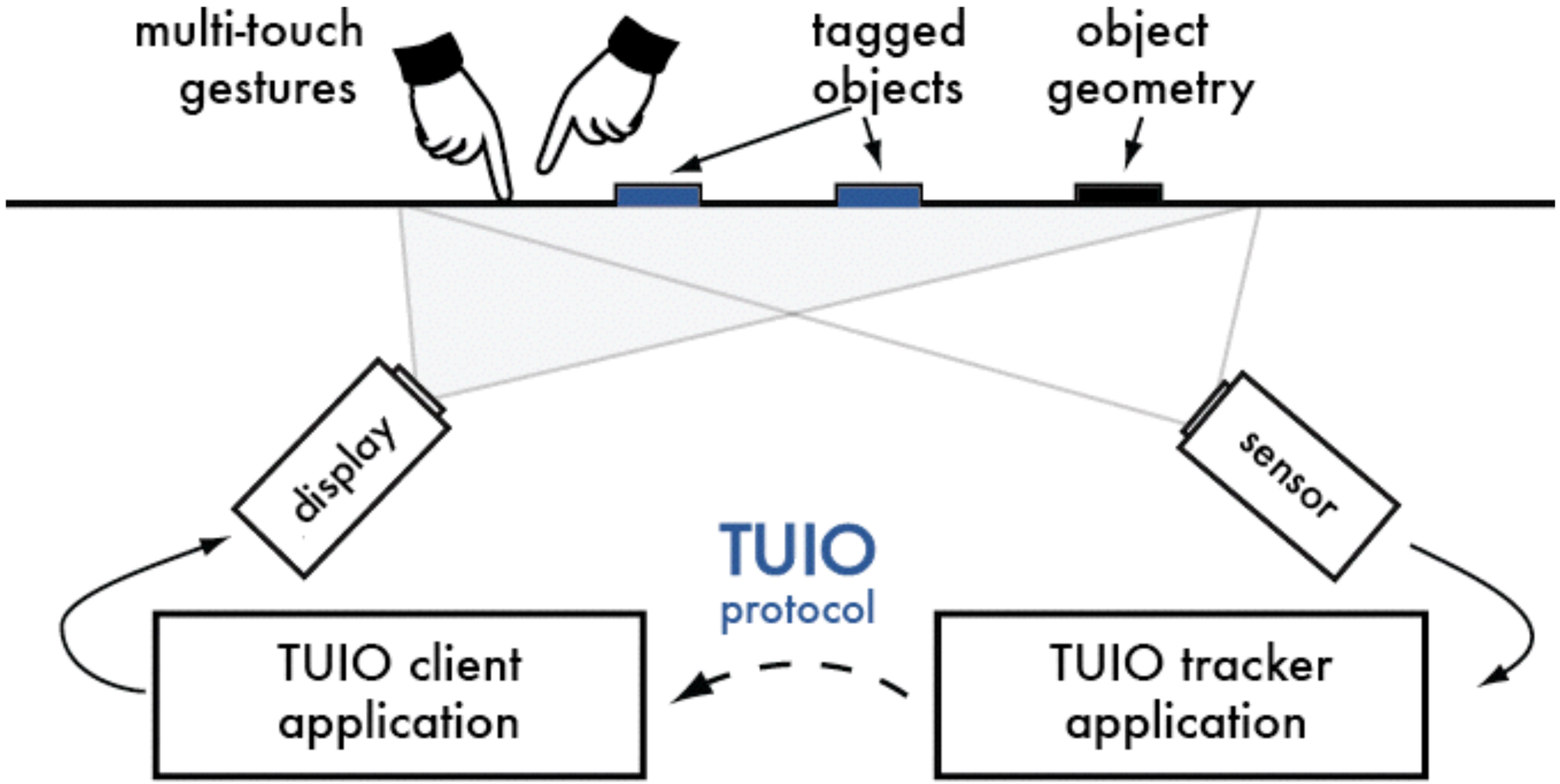


unfoldingmaps.org

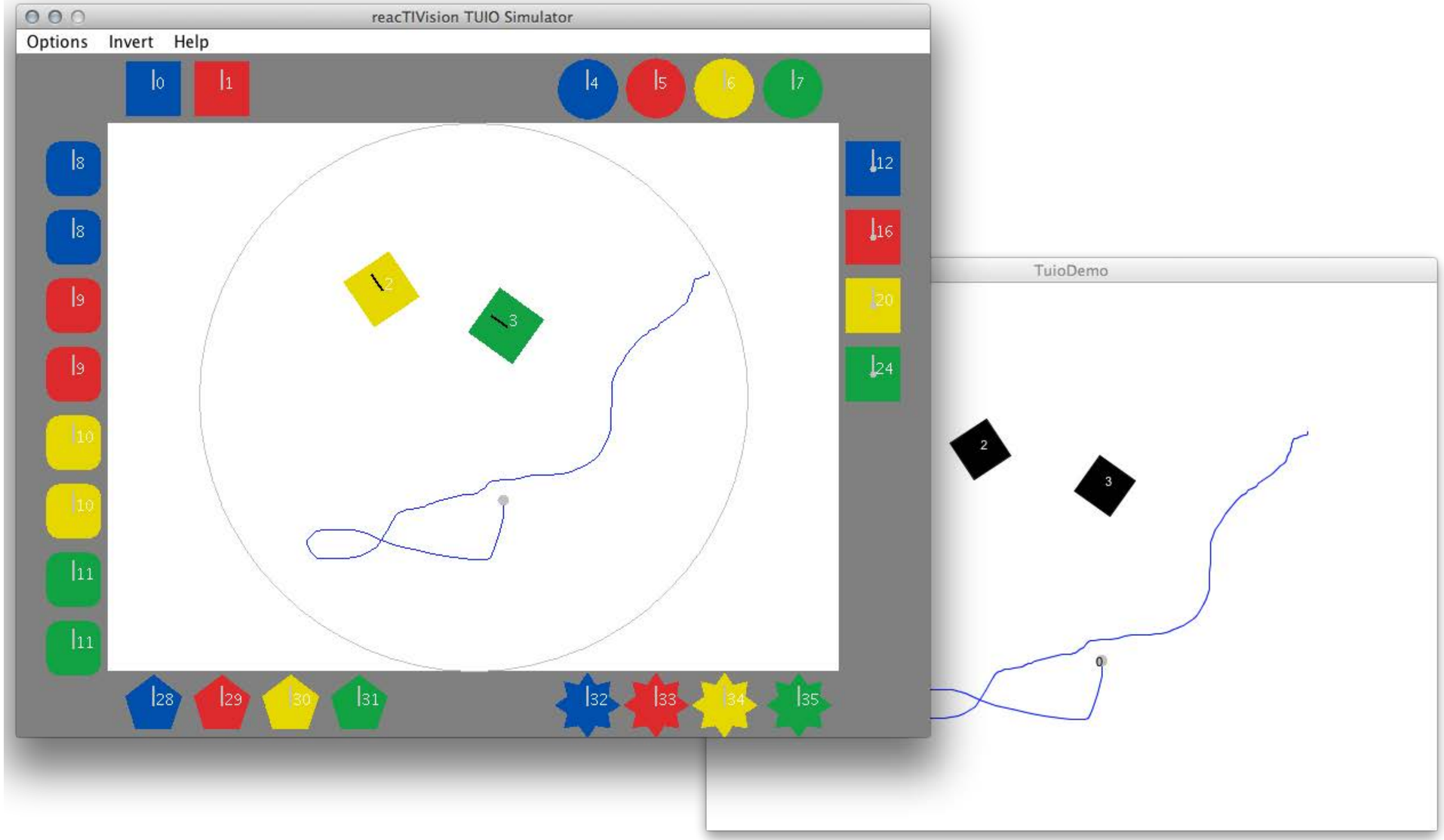
Software

reacTIVison

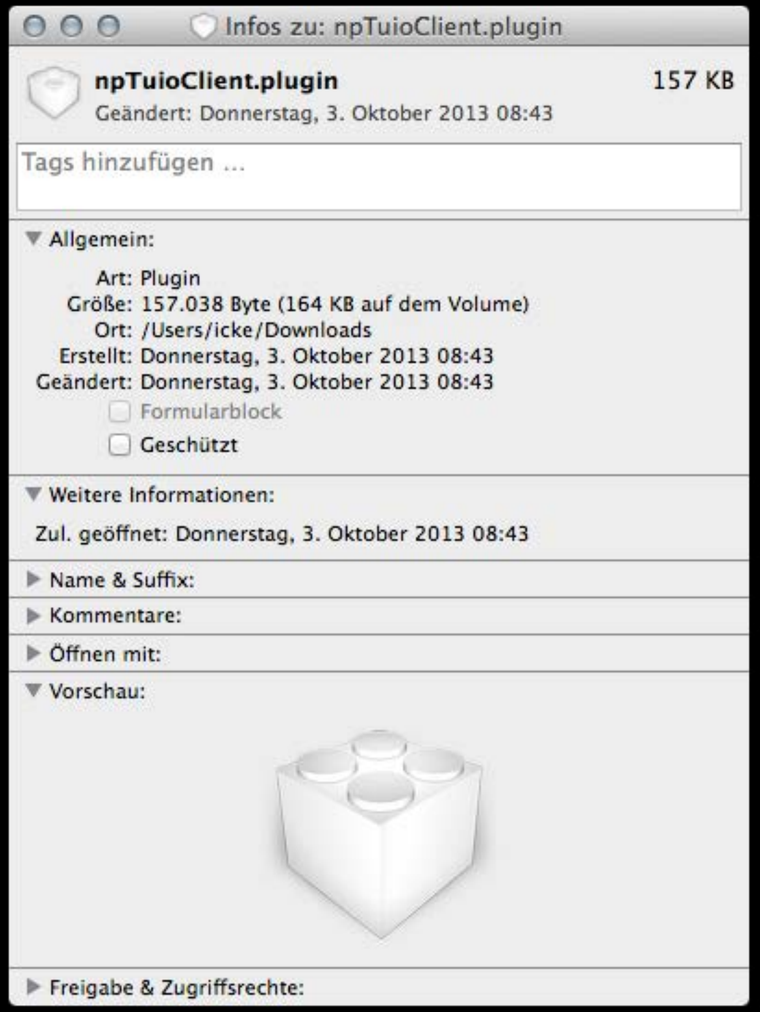
TUIO


multi-touch
gestures
tagged
objects
object
geometry
display
sensor
TUIO
protocol
TUIO client
application
TUIO tracker
application

[MAC]: tongseng



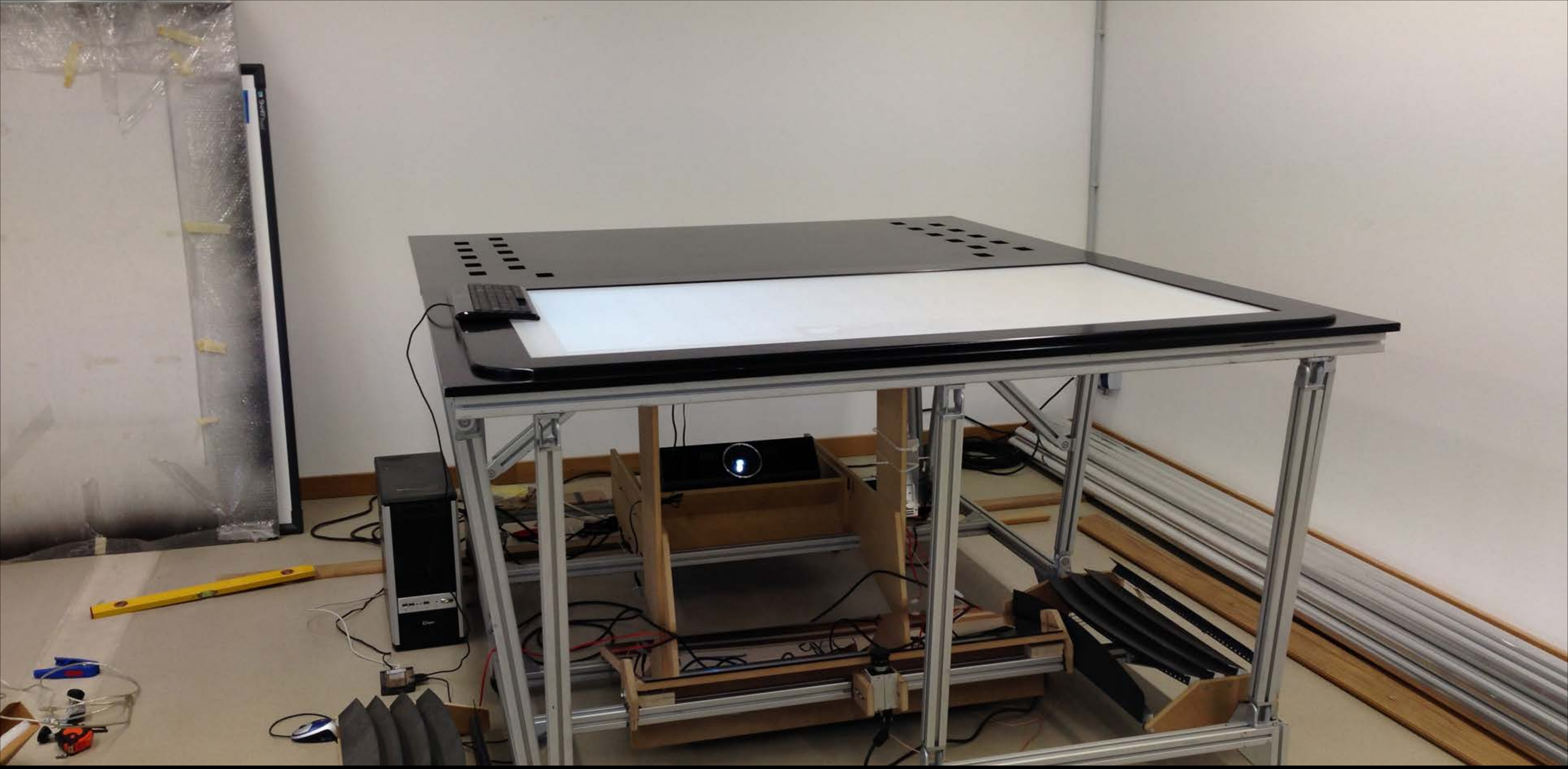
TUIO simulator

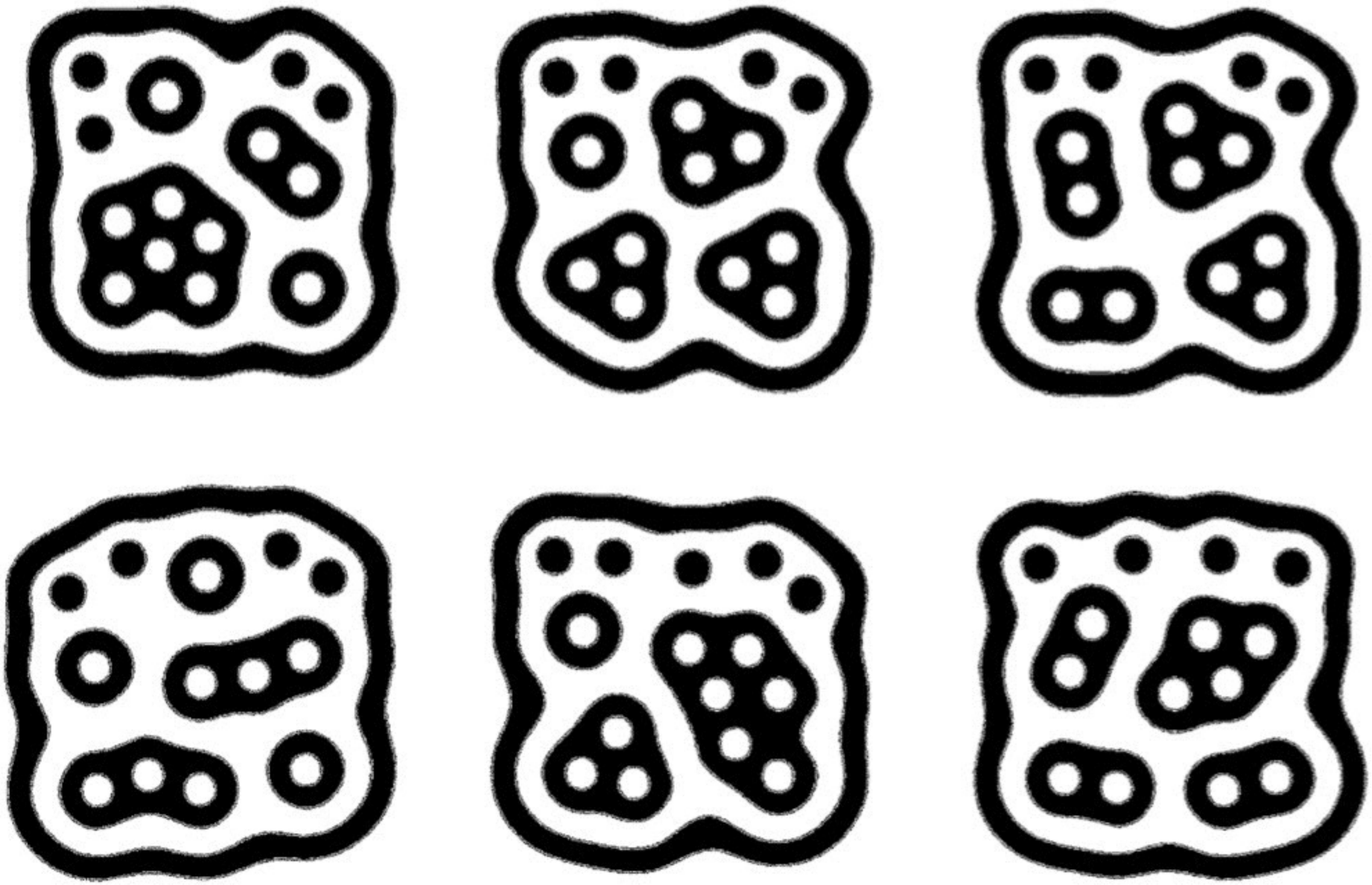


npTuioClient

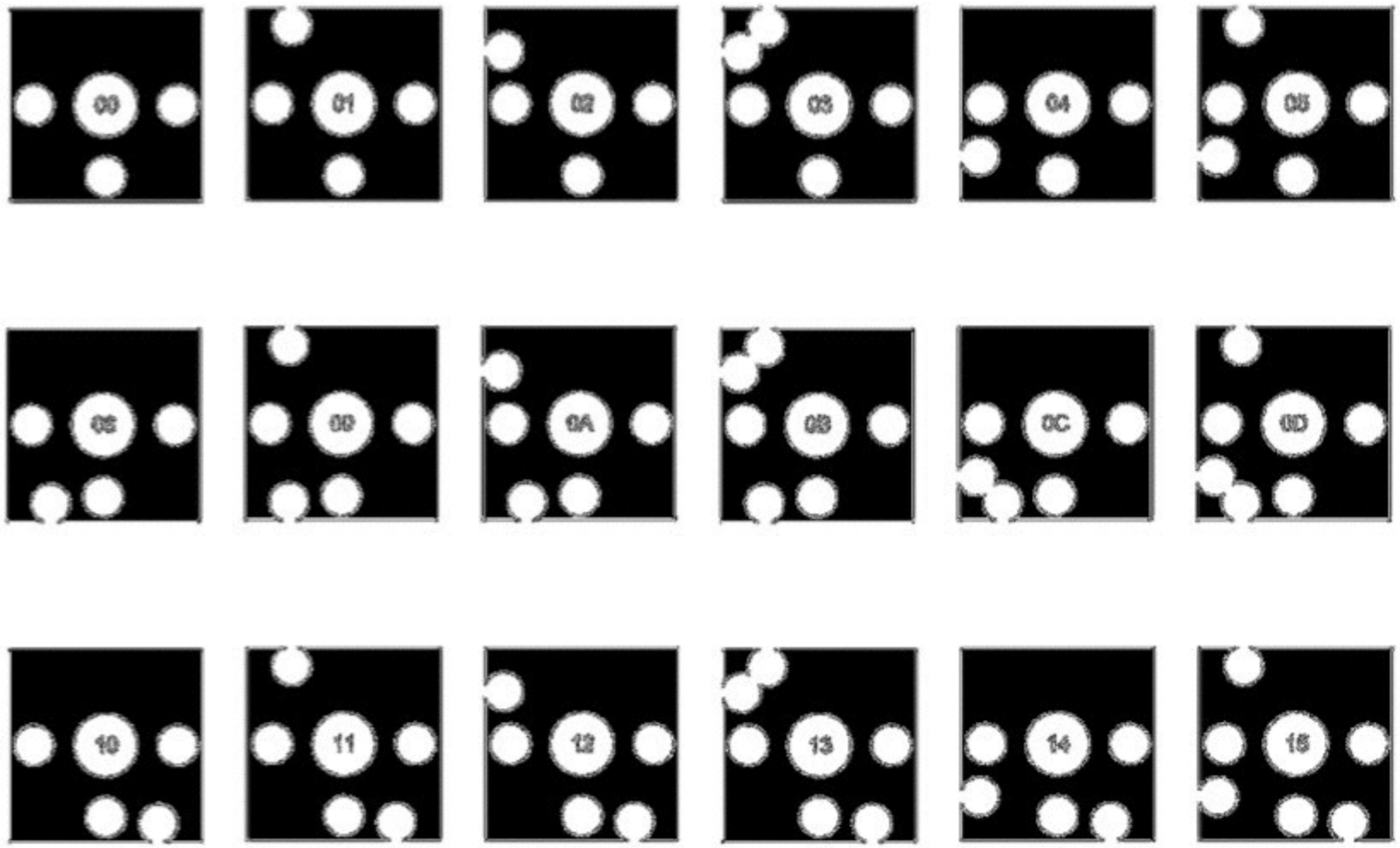
/Users/[YOU]/Library/Internet Plug-Ins

Hardware

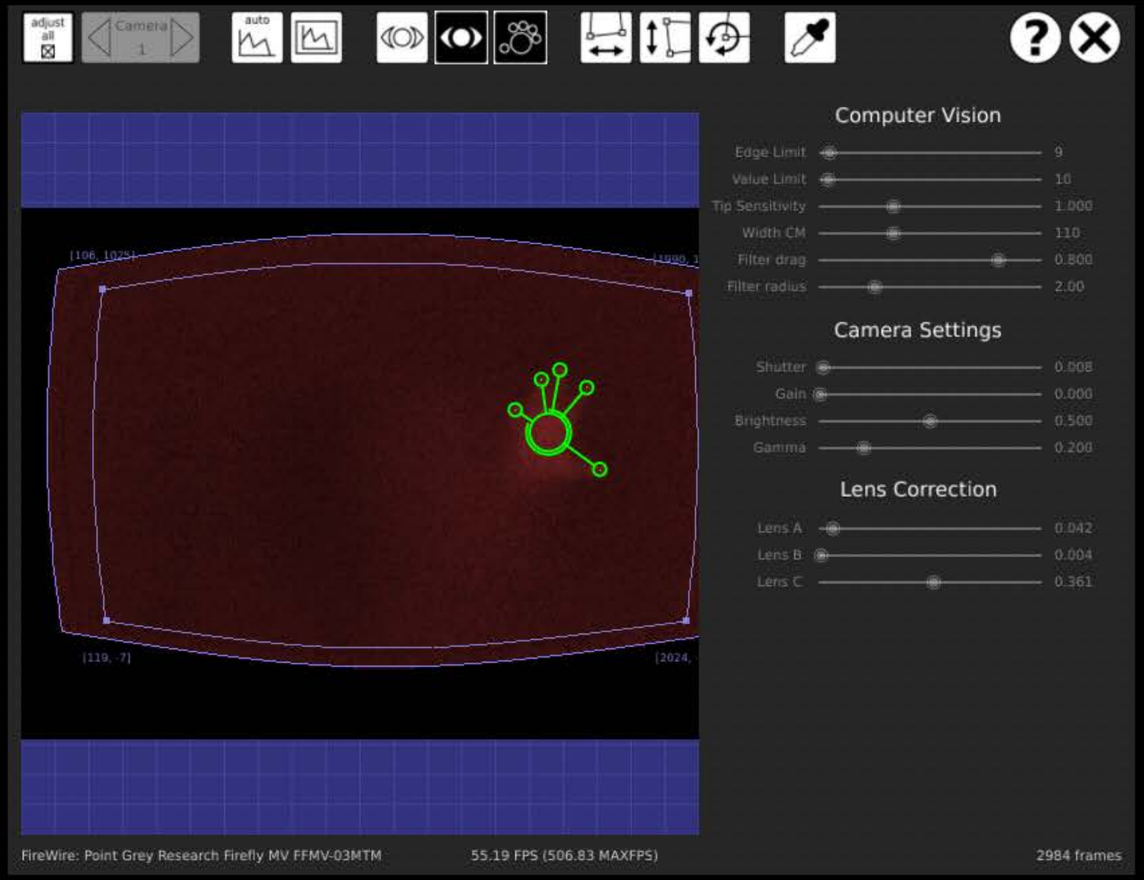




MS Surface 1.0


00
01
02
03
04
05
08
09
0A
0B
0C
0D
10
11
12
13
14
15

MultiTouch Cell


adjust all
Camera 1
auto
[106, 1025]
[119, -7]
[2024,
Computer Vision
Edge Limit 9
Value Limit 10
Tip Sensitivity 1.000
Width CM 110
Filter drag 0.800
Filter radius 2.00
Camera Settings
Shutter 0.008
Gain 0.000
Brightness 0.500
Gamma 0.200
Lens Correction
Lens A 0.042
Lens B 0.004
Lens C 0.361
FireWire: Point Grey Research Firefly MV FFMV-03MTM
55.19 FPS (506.83 MAXFPS)
2984 frames

Sony Vaio

Pythonista

Processing

Android

hands on

Processing Pt. 2

?

Projekt Ideen?