

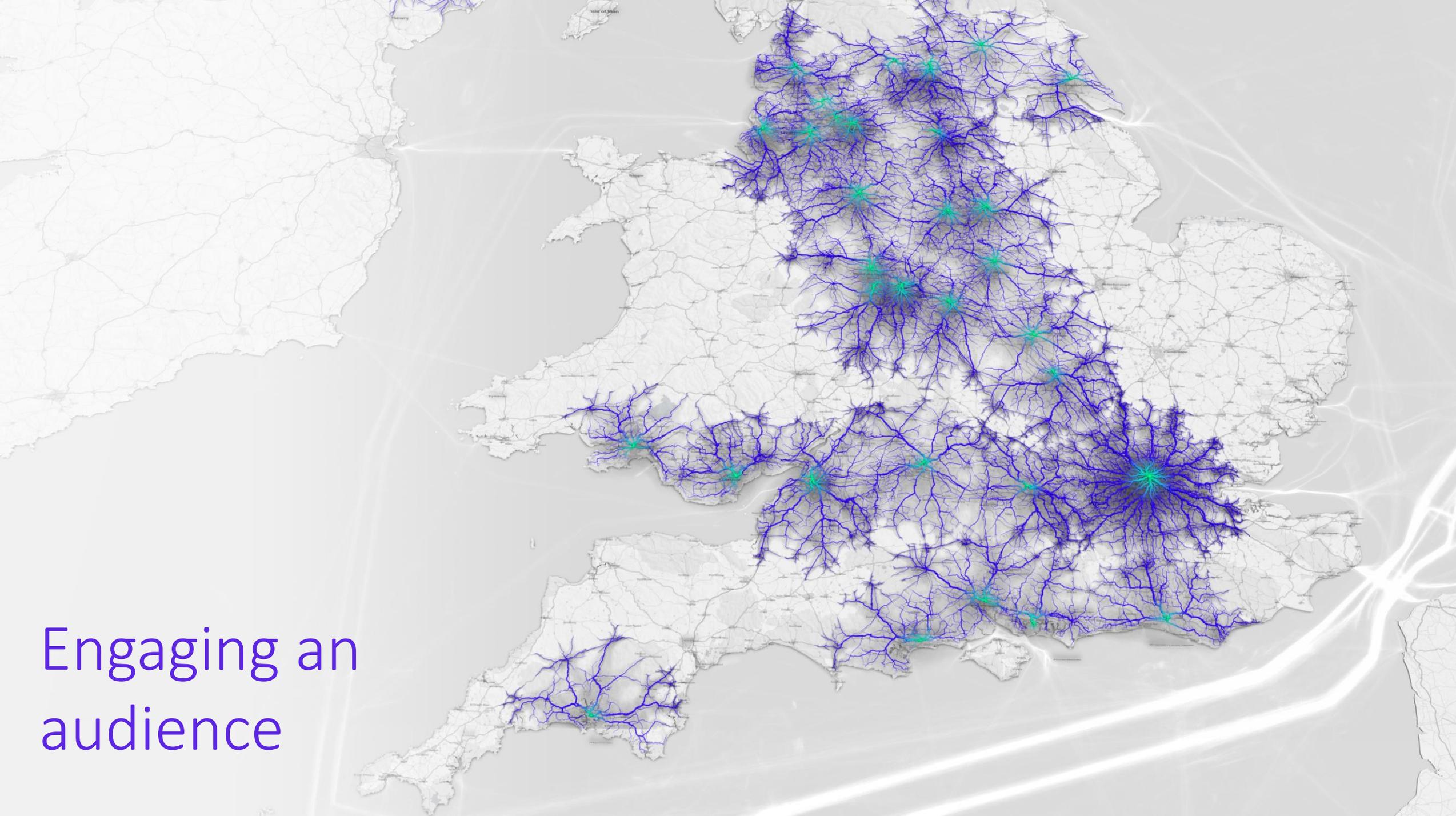


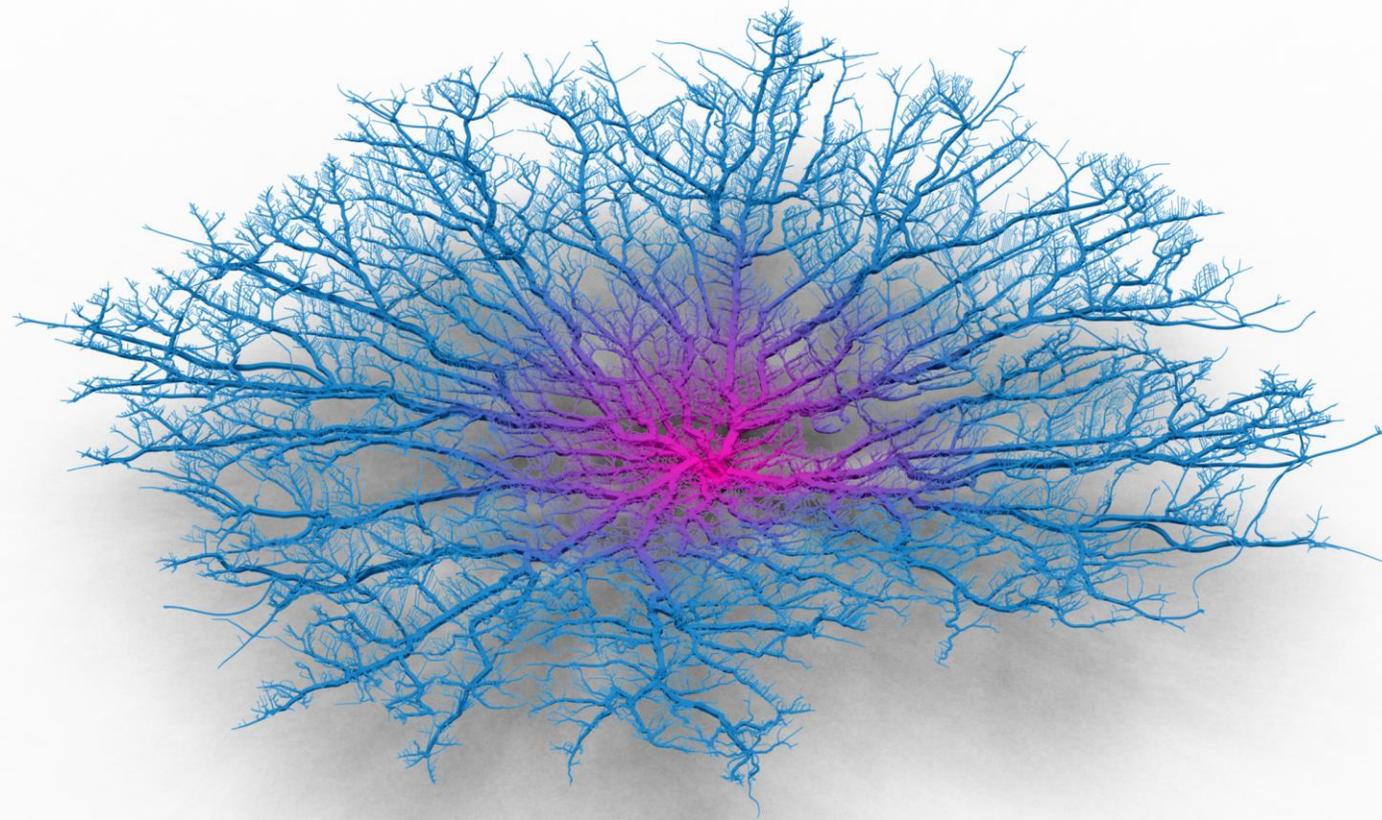
Data Visualisation Design Lab

Bringing location data to life



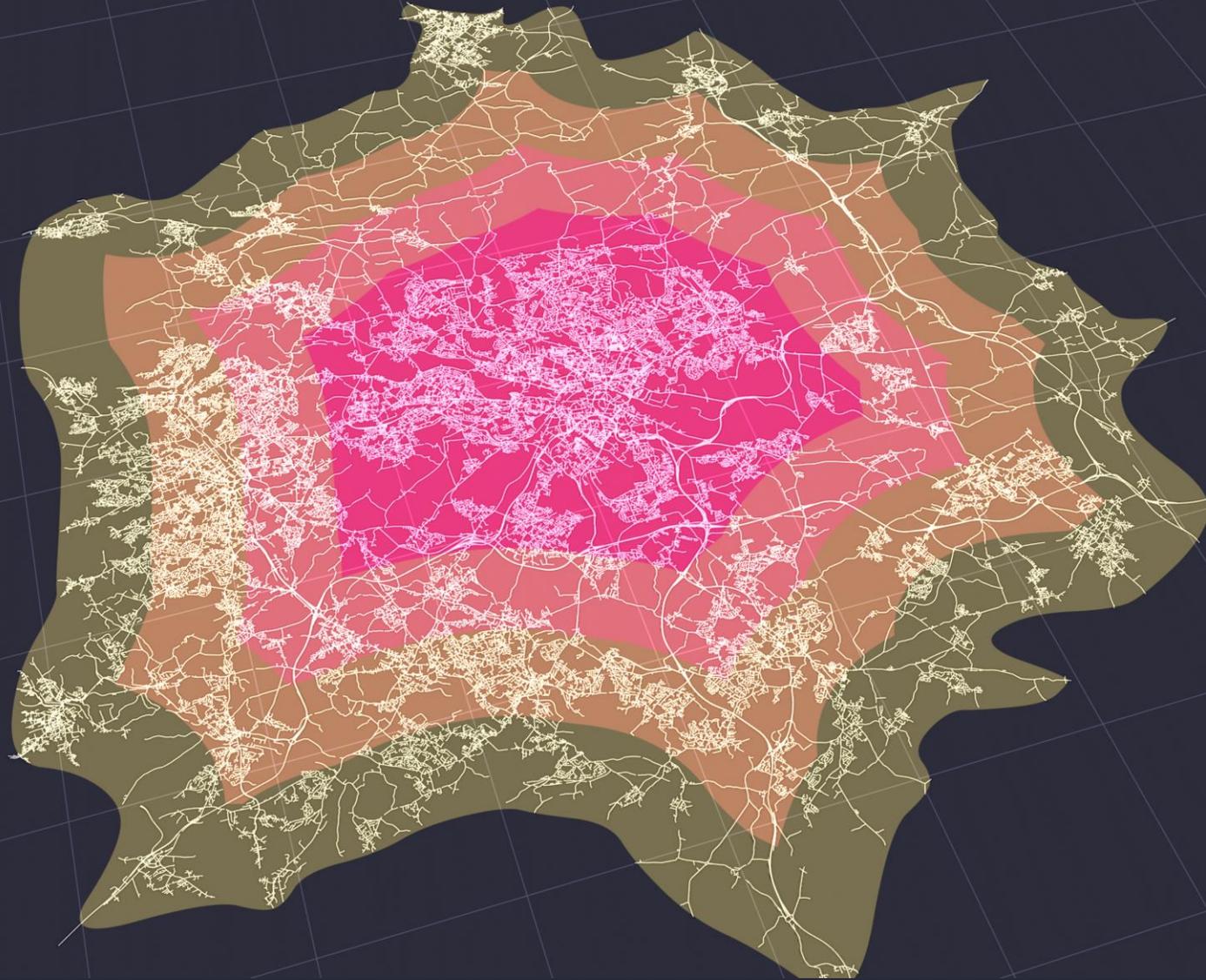
Engaging an
audience





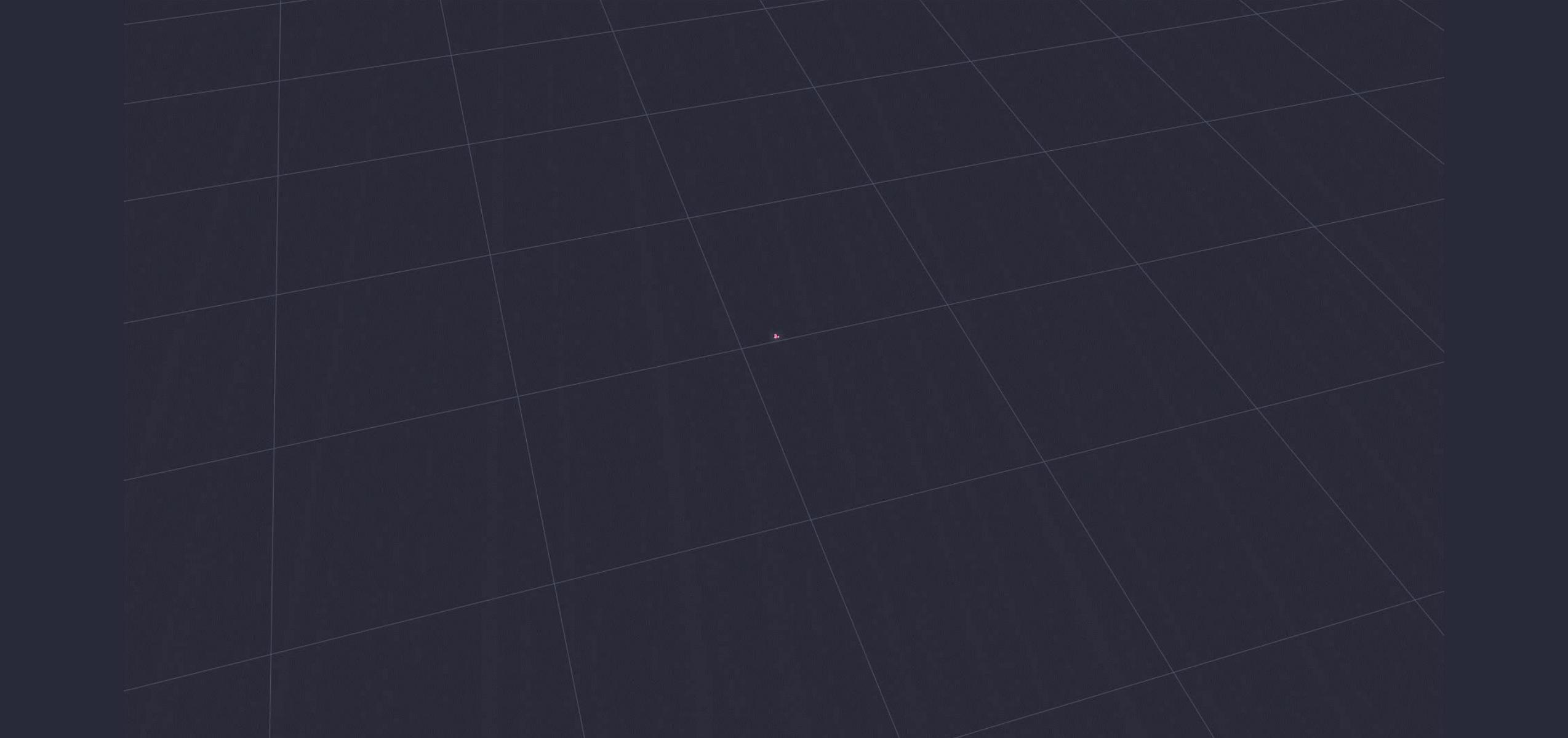
Coral Cities

Conceptualising
drive-time catchments



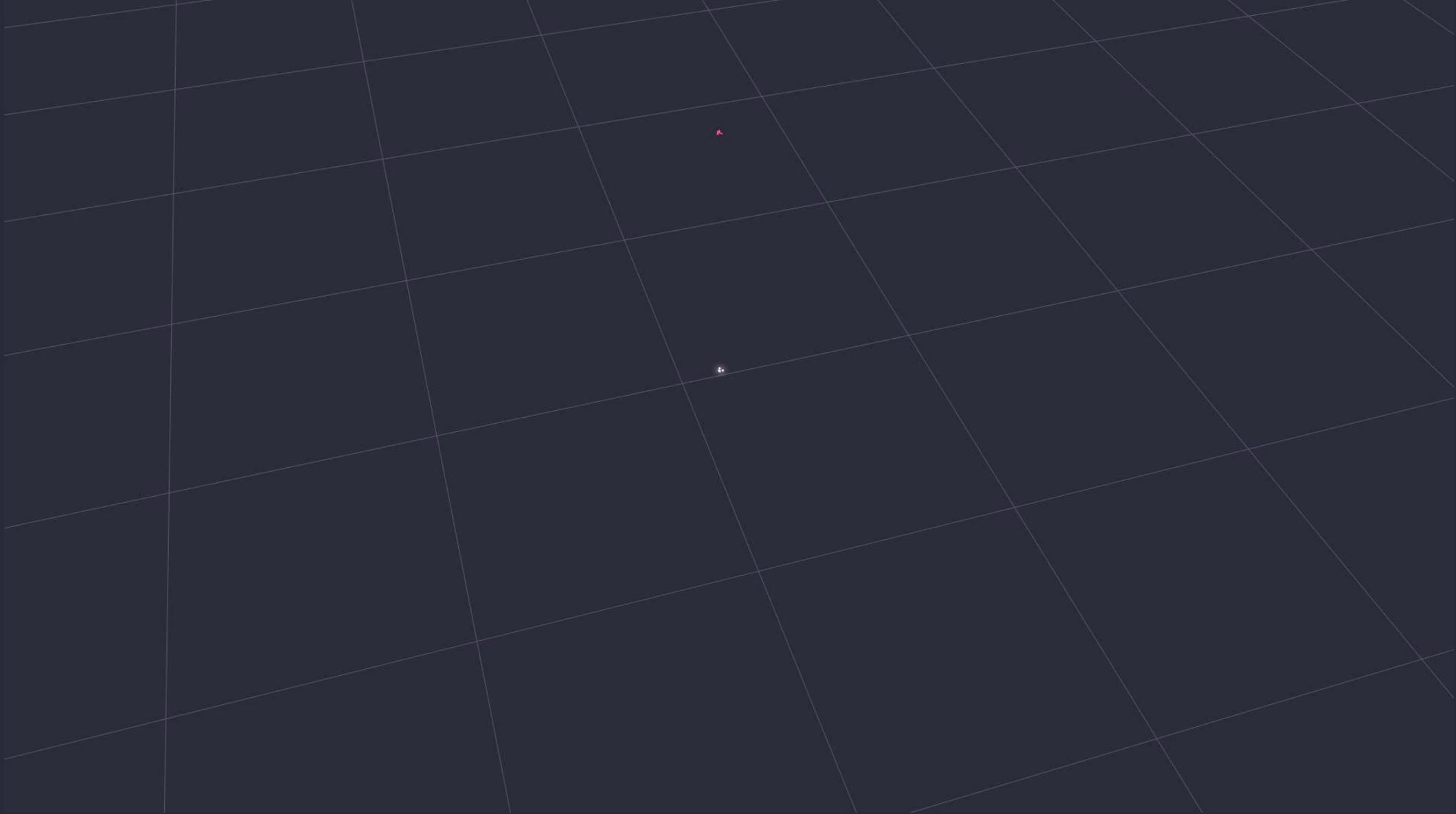
Phase 1

Drive time isochrones



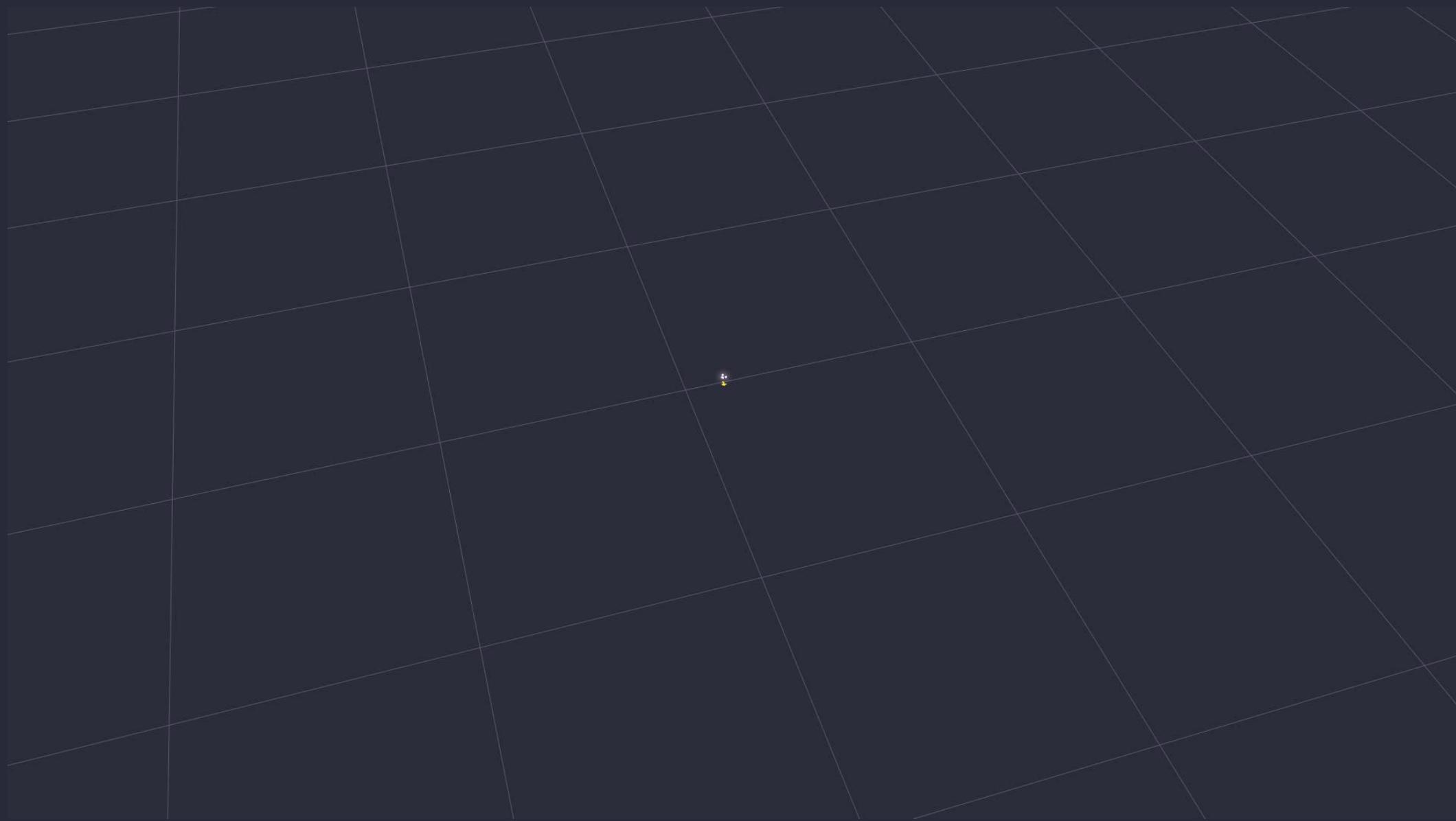
Phase 2

Manipulating geometry and basic animation



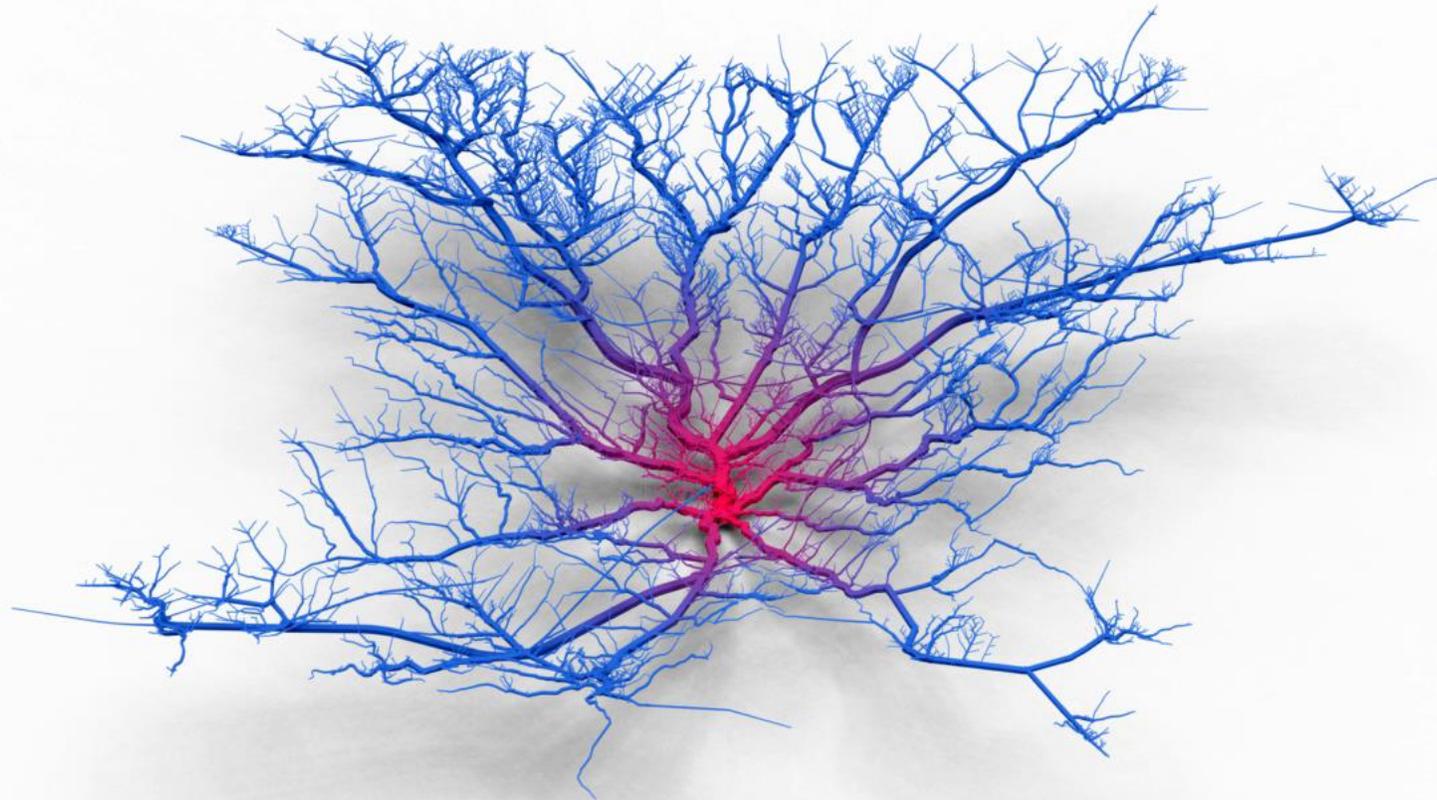
Phase 3

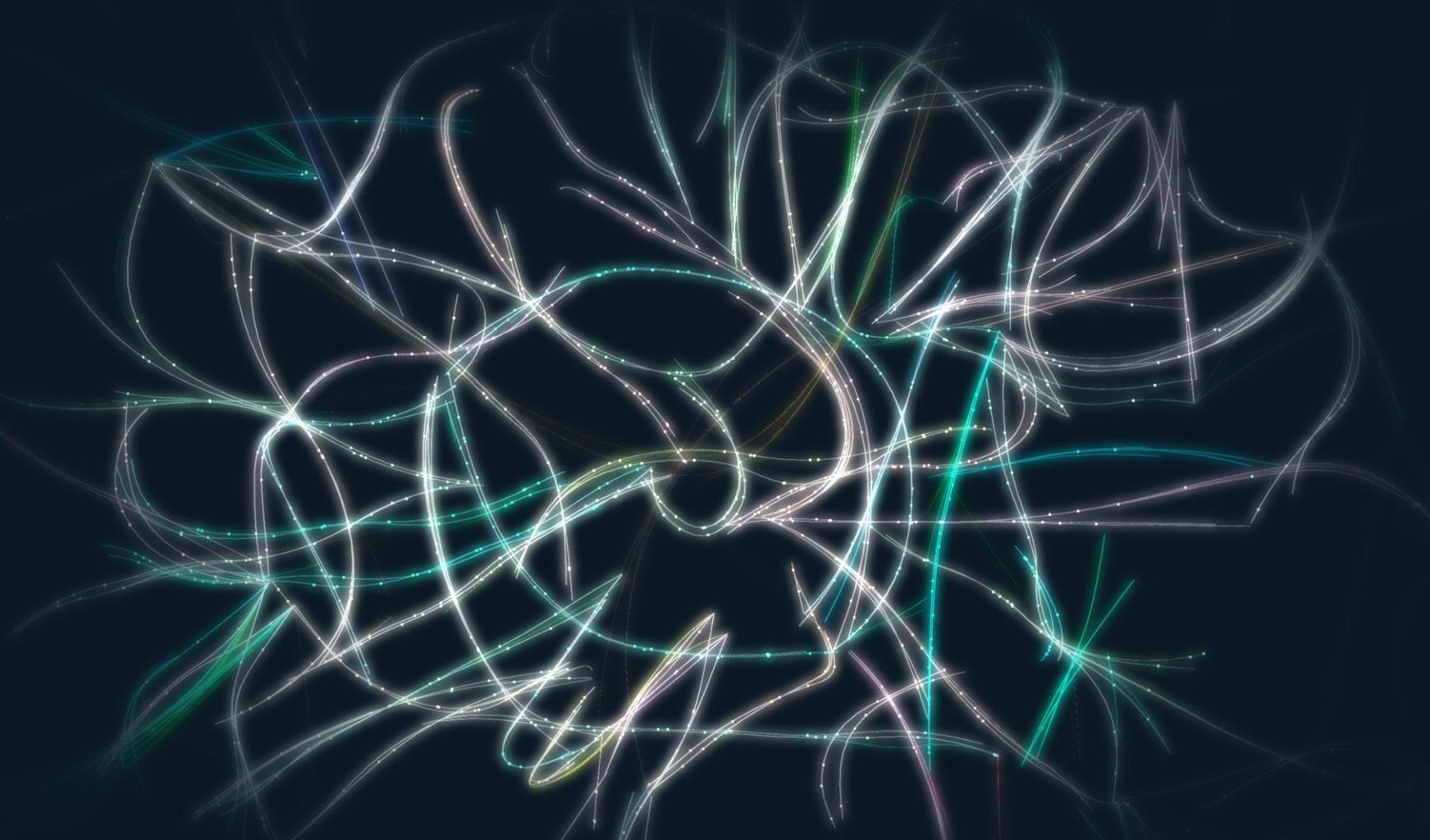
Applying z values to link to create mountains/webs



Phase 4

Inversion of height to simulate coral formations



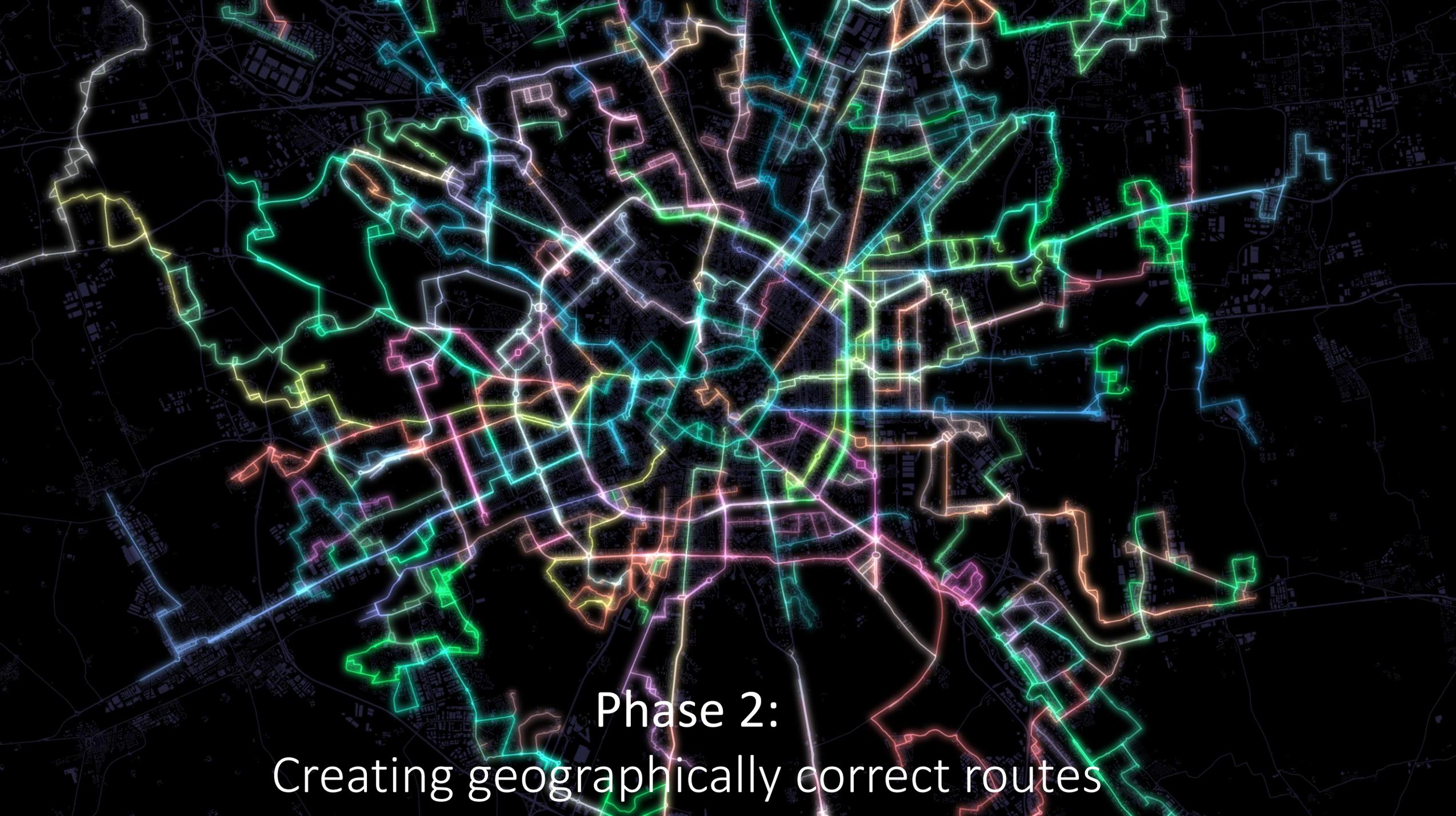


The Beauty of the Bus

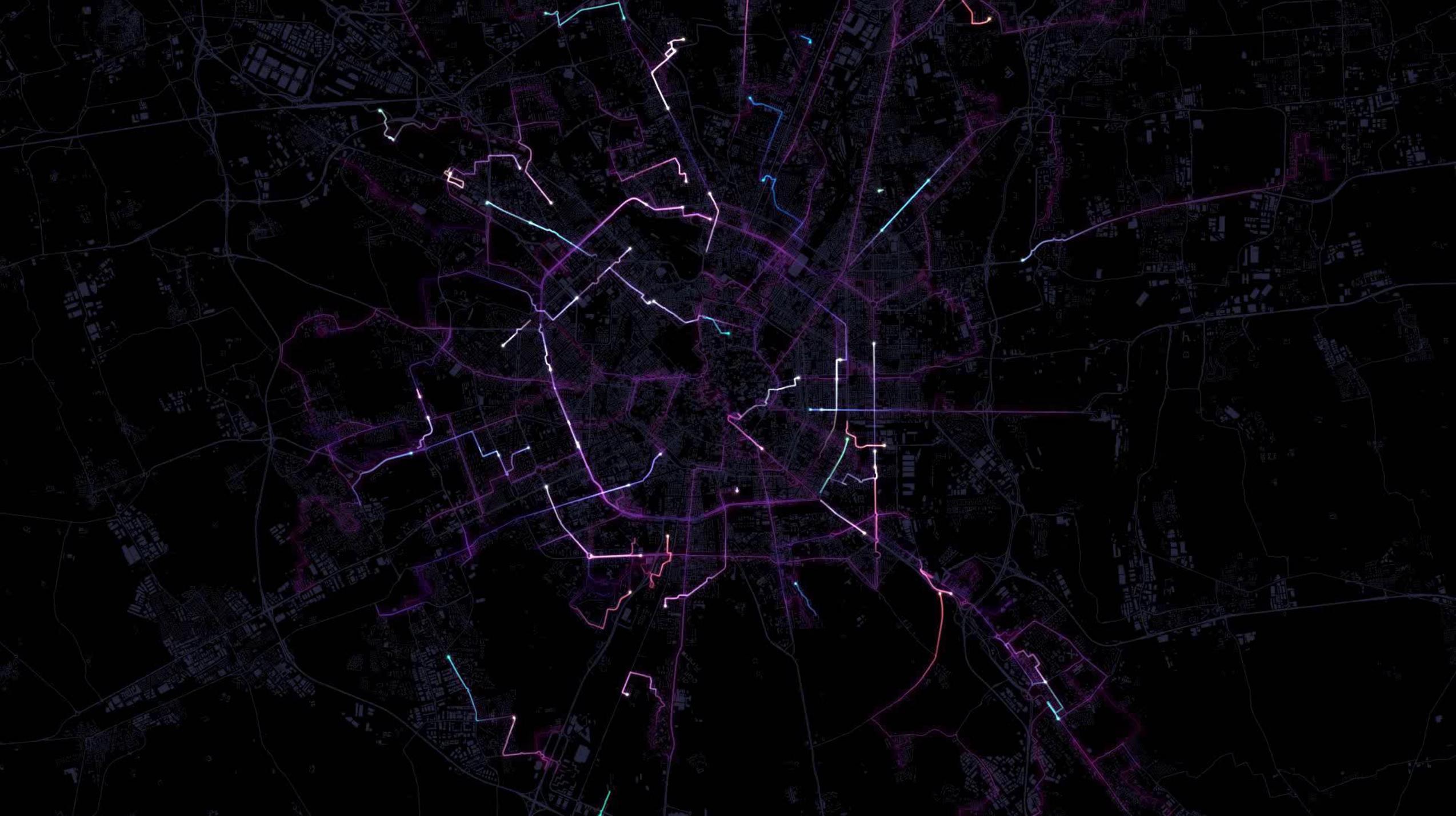
Transforming GTFS data

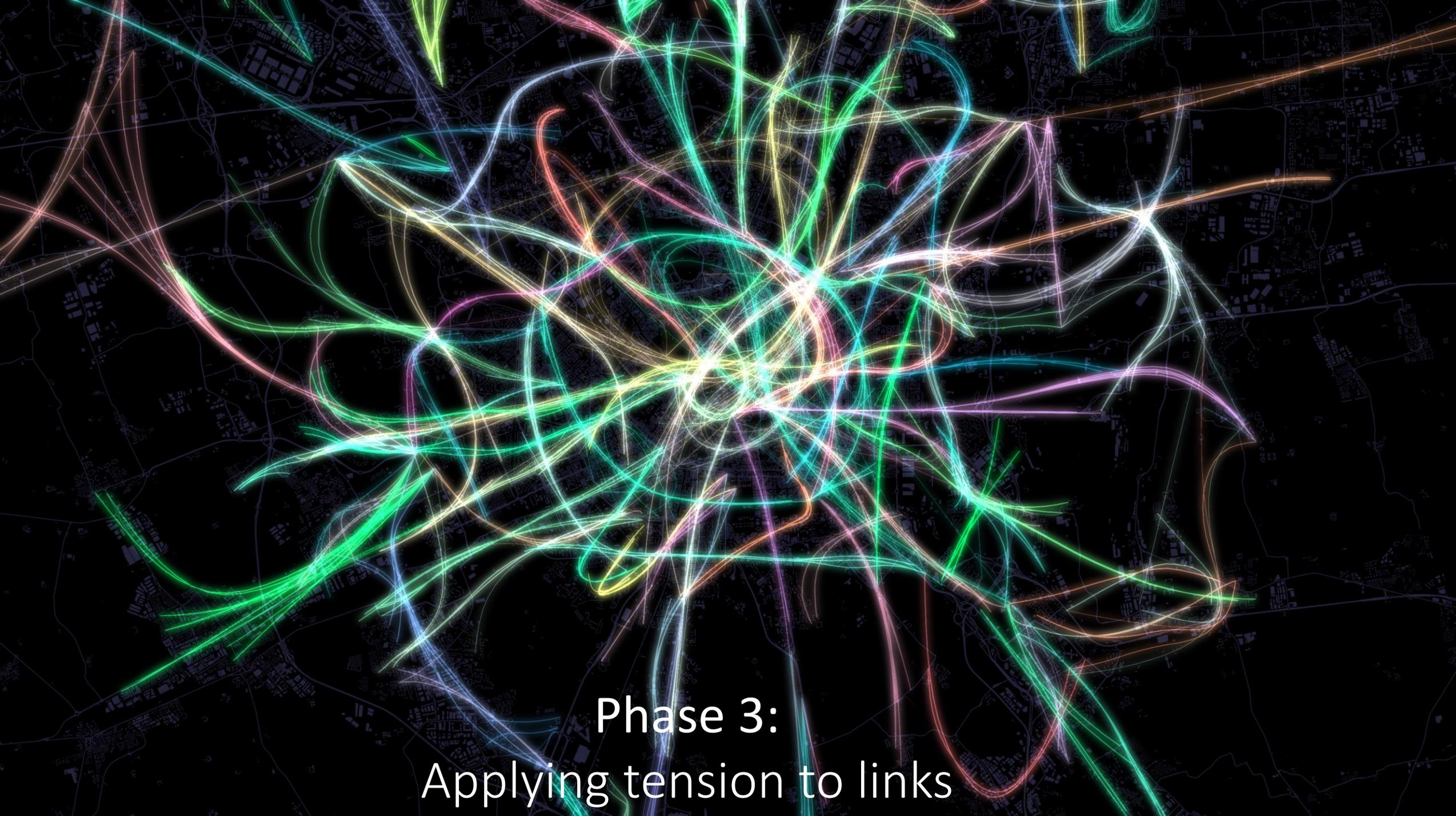


Phase 1:
Ingesting GTFS data



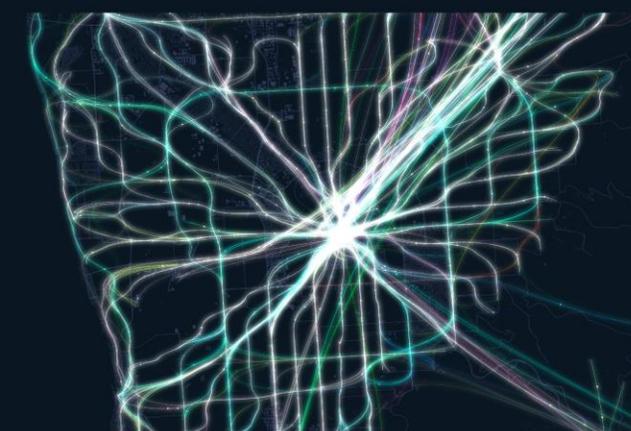
Phase 2:
Creating geographically correct routes





Phase 3:
Applying tension to links





Adelaide ○ — 5km



Barcelona ○ — 5km



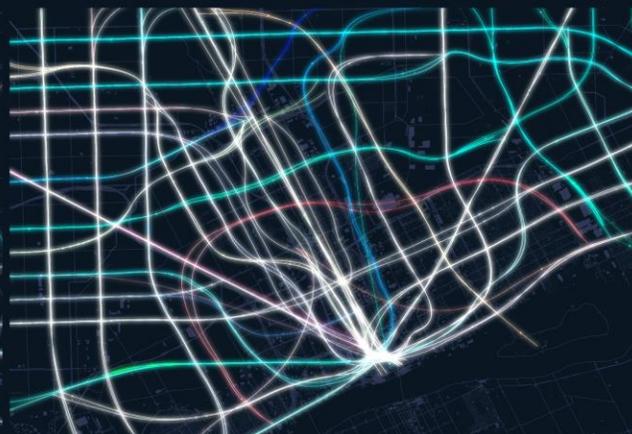
Boston ○ — 5km



Budapest ○ — 5km



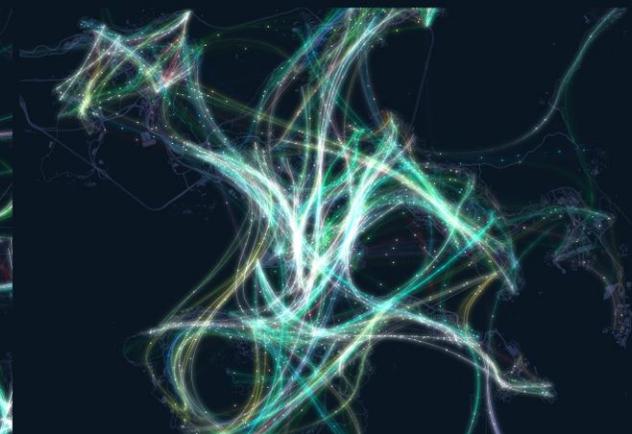
Columbus ○ — 5km



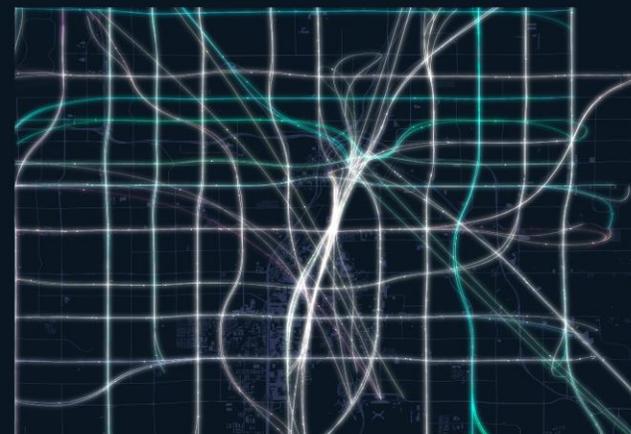
Detroit ○ — 5km



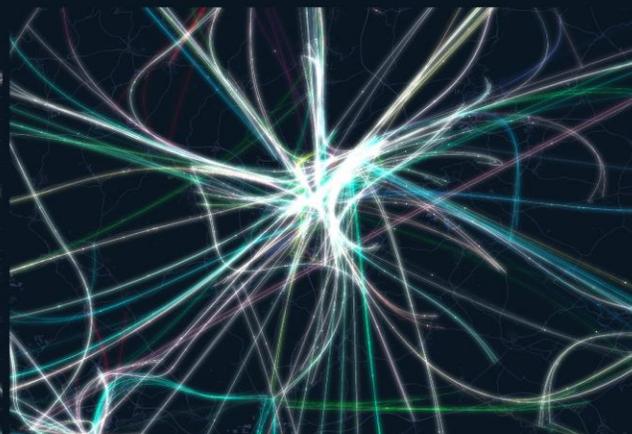
Hamburg ○ — 5km



Hong Kong ○ — 2.5km



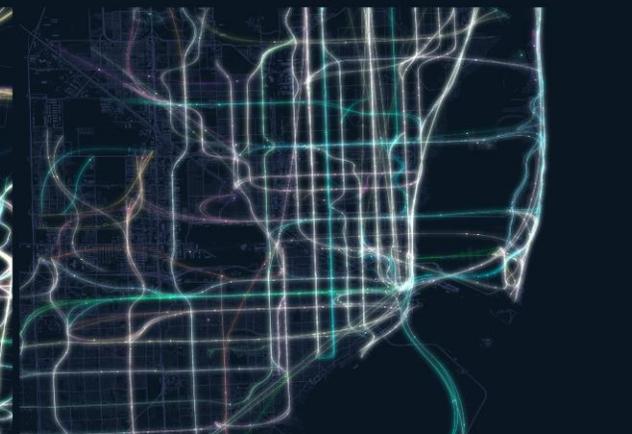
Las Vegas ○ — 5km



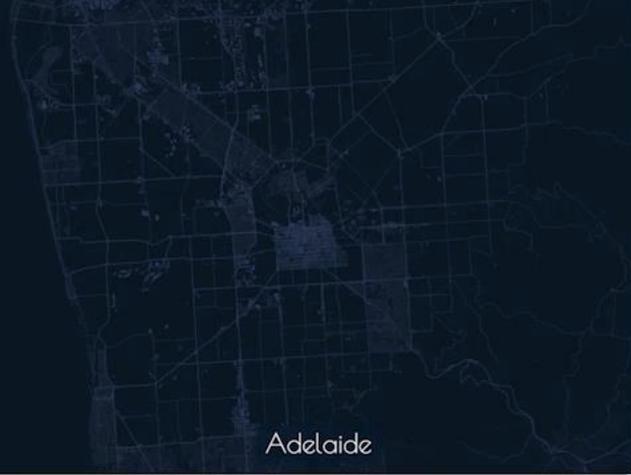
Luxembourg City ○ — 5km



Melbourne ○ — 5km



Miami ○ — 5km



Adelaide



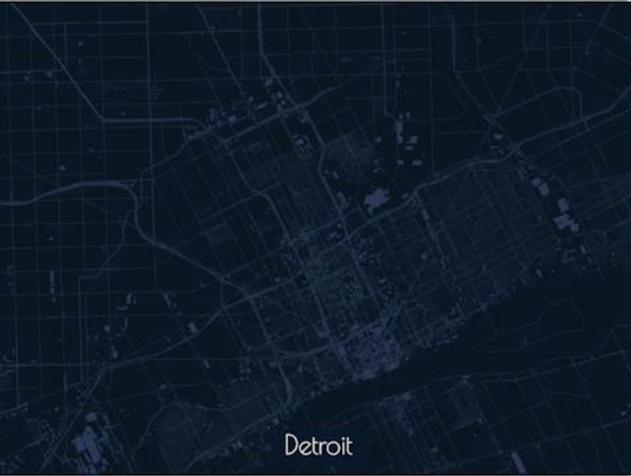
Barcelona



Boston



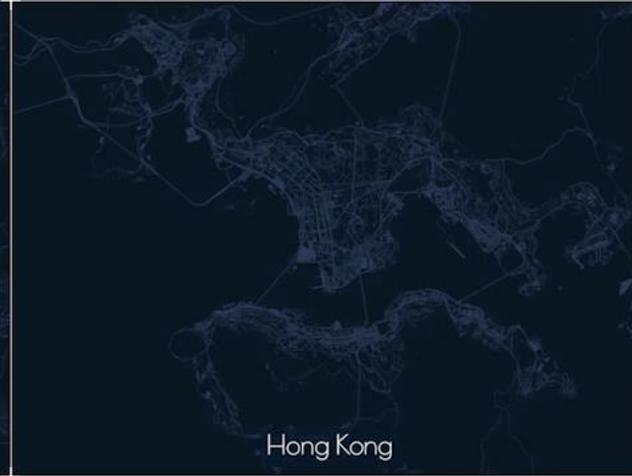
Budapest



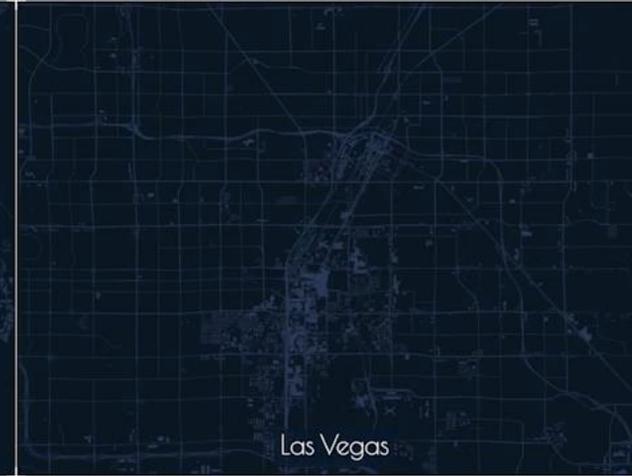
Detroit



Hamburg



Hong Kong



Las Vegas



Luxembourg City



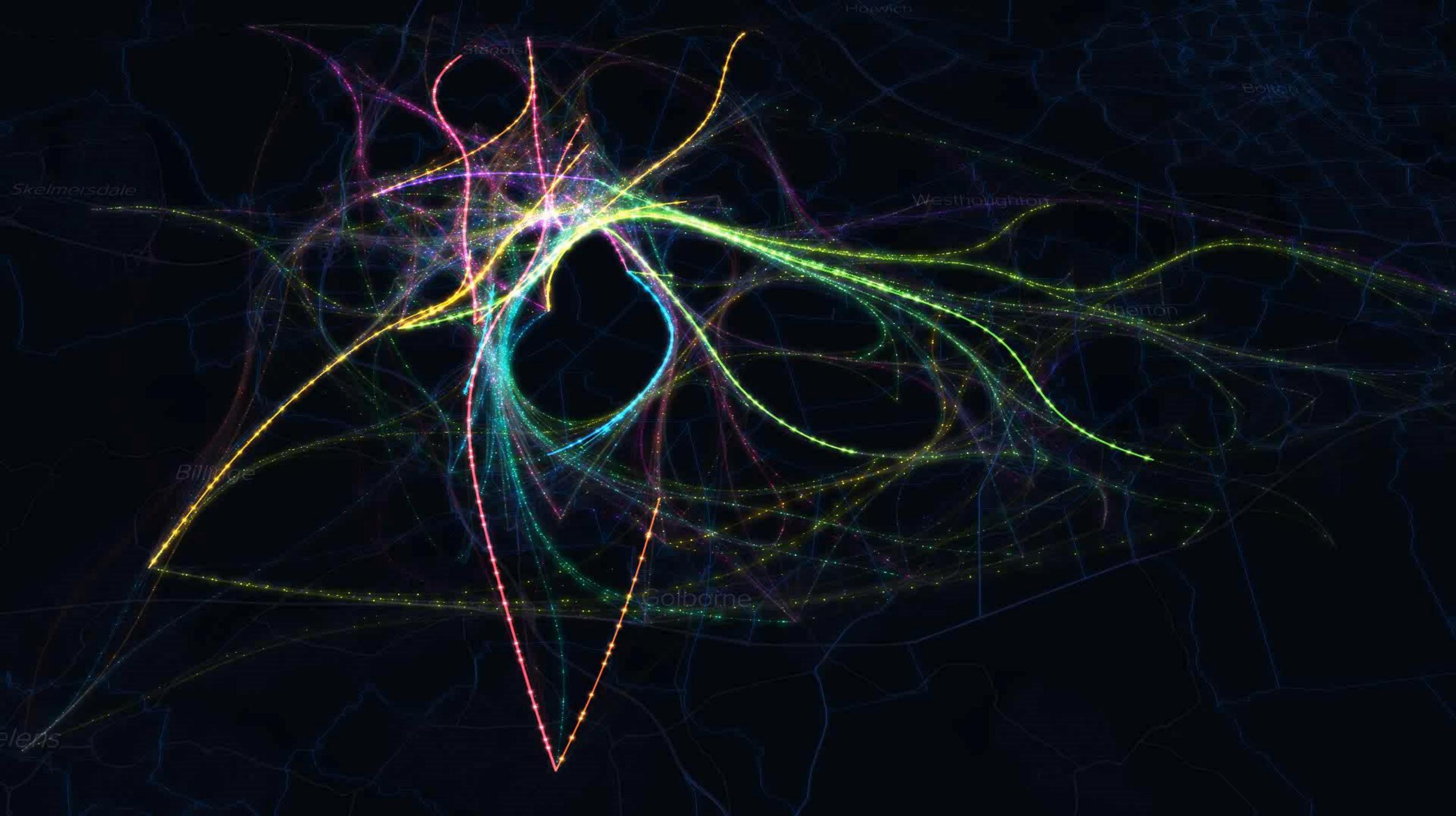
Milan

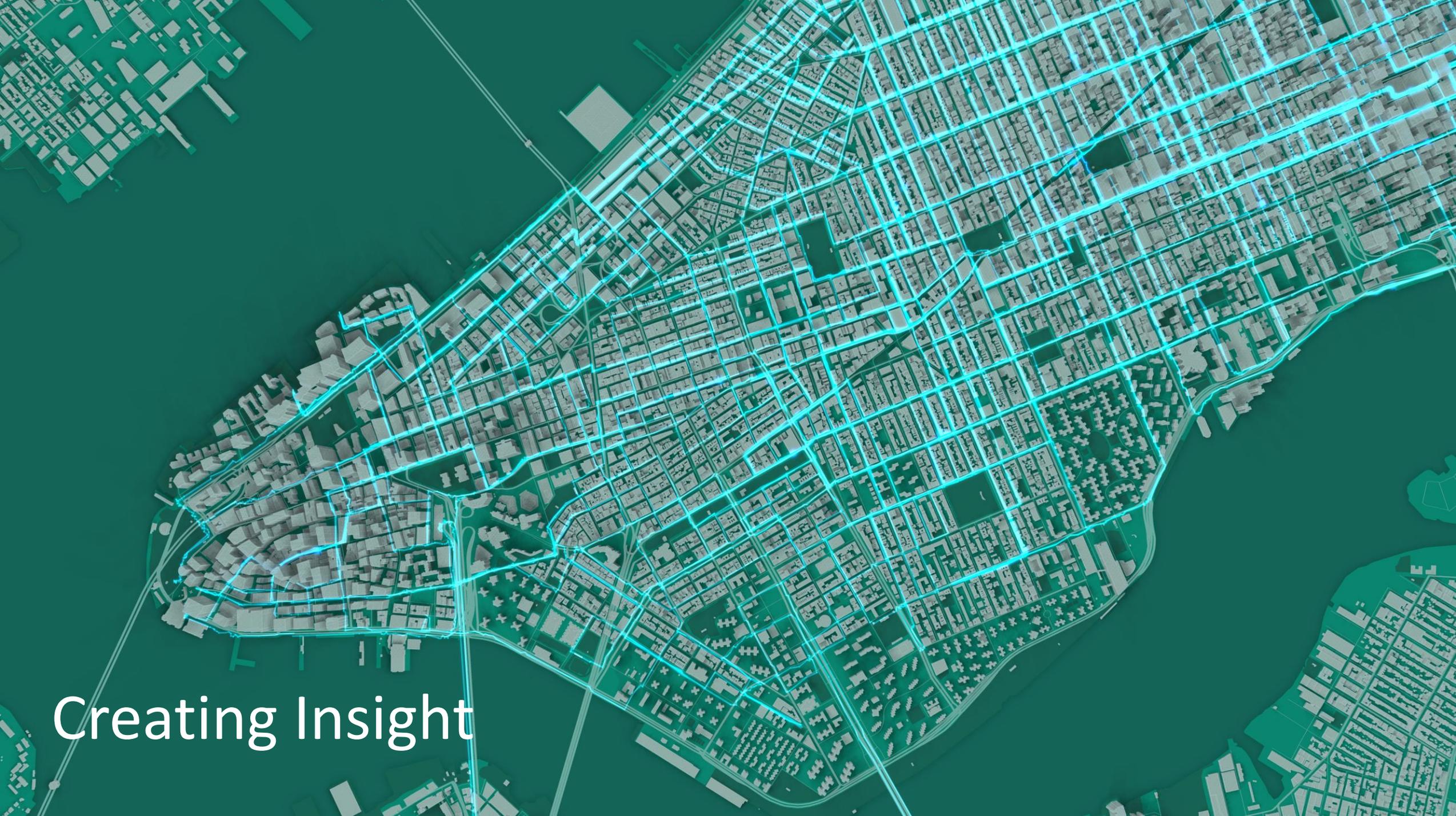


Naples

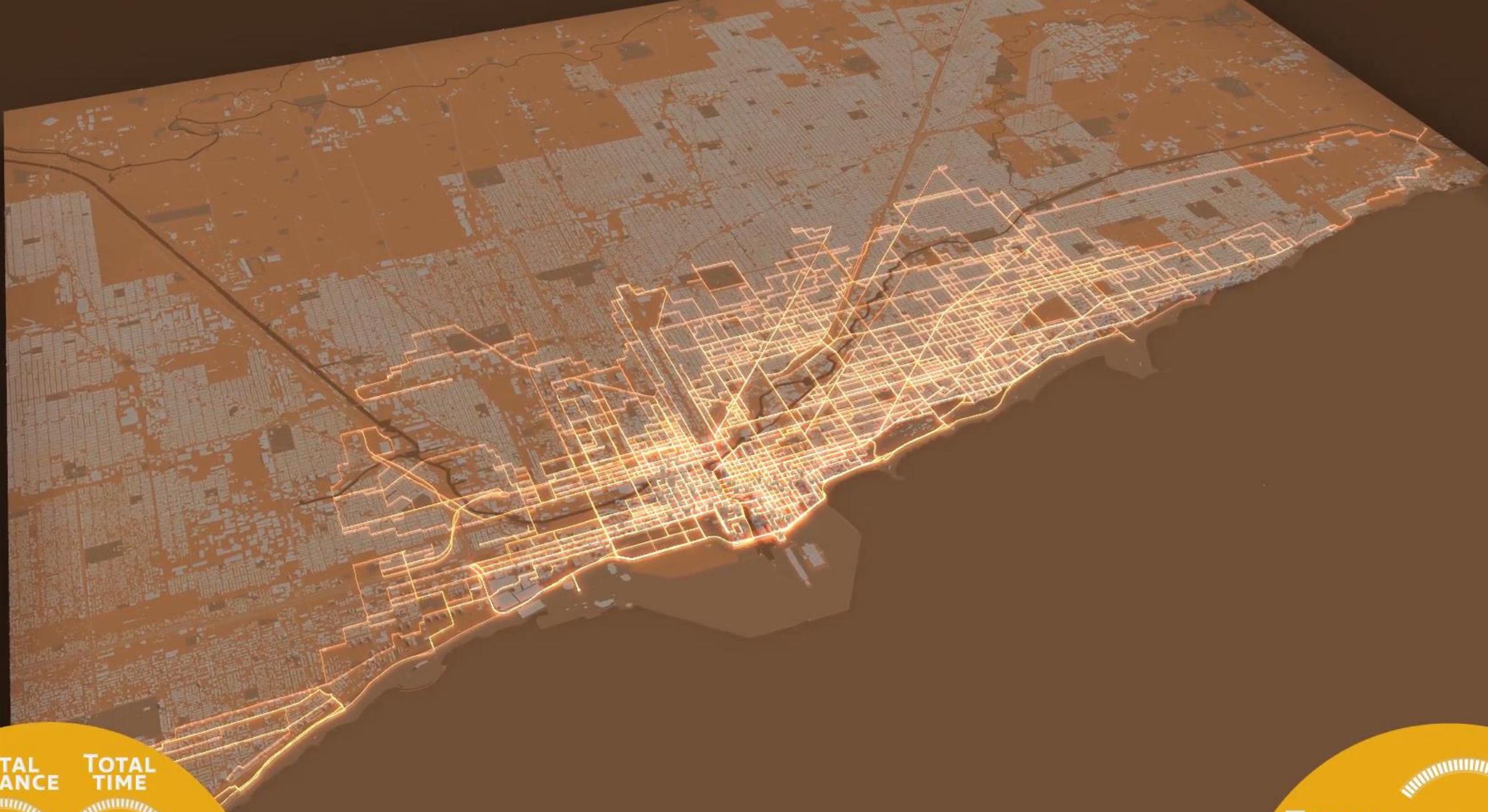


Prague





Creating Insight



TOTAL
DISTANCE

TOTAL
TIME

4,403
KM

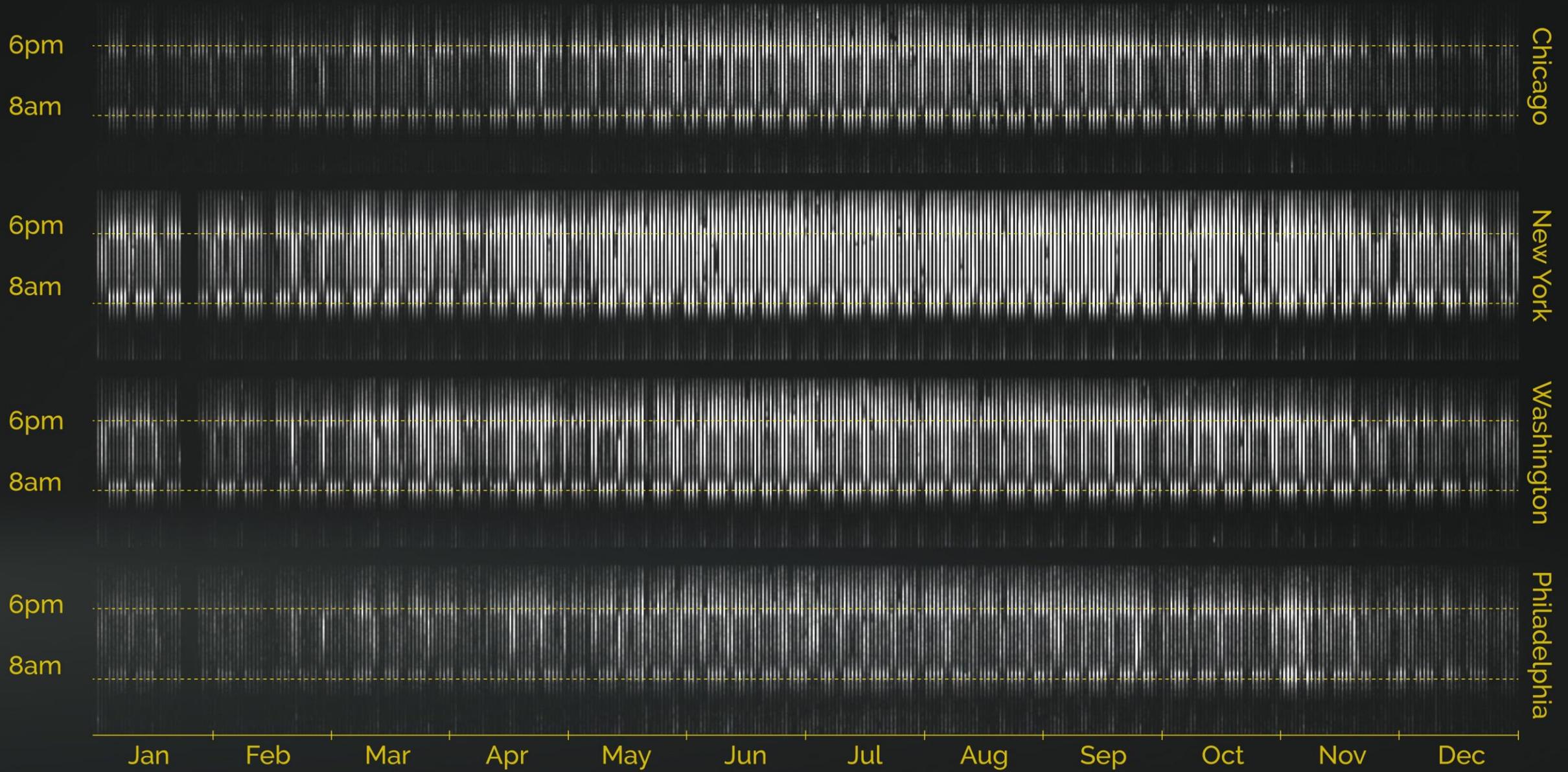
380
HRS

CHICAGO
BIKE 872

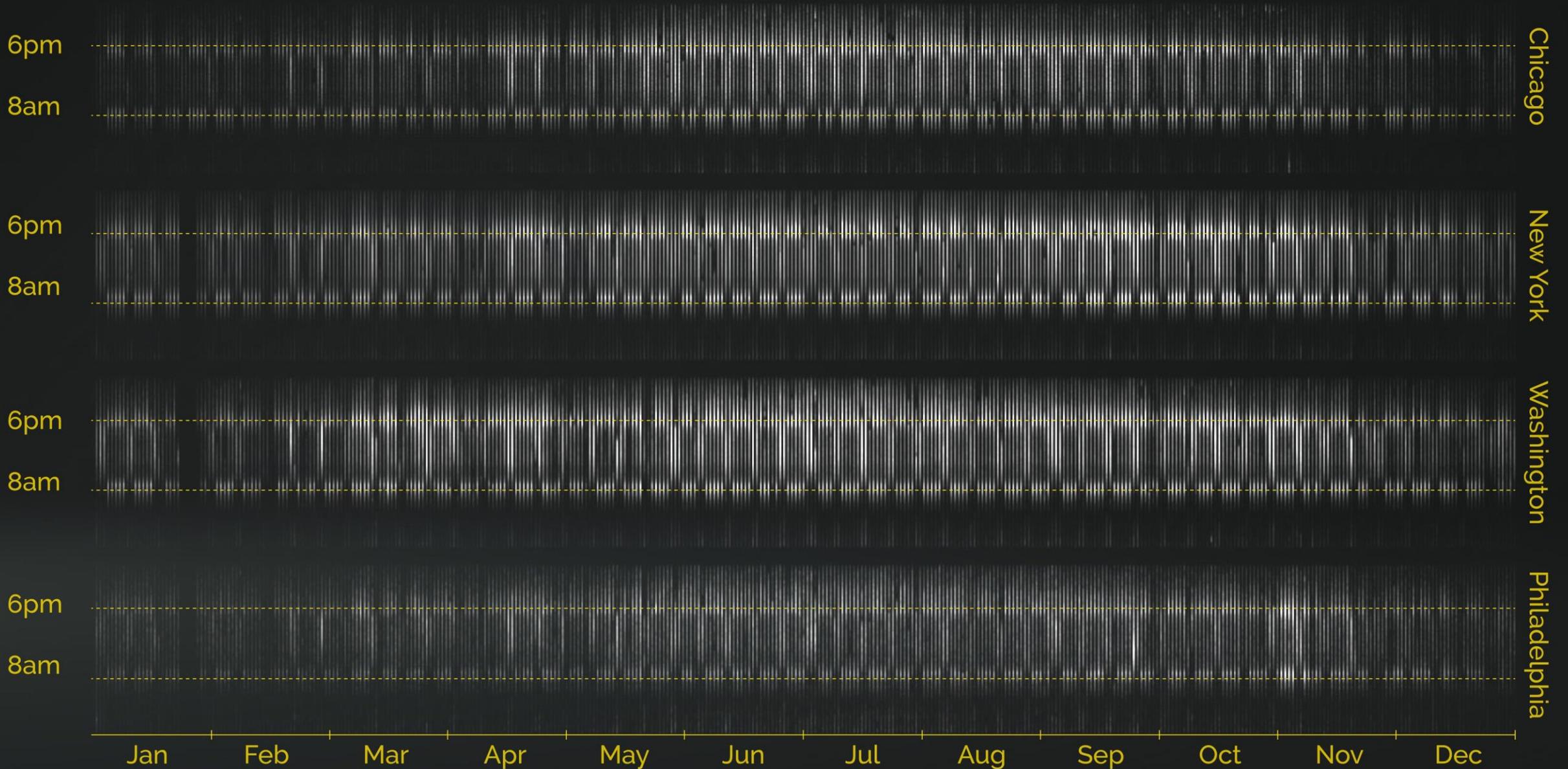
TOTAL
TRIPS

1,399

Americas Busiest Bikes | The Spectrograph



Americas Busiest Bikes | Commuting Zones



Americas Busiest Bikes | Weather Events

April 30th - Heavy Rainfall



6pm

8am

6pm

8am

6pm

8am

6pm

8am



Storm Jonas - East Coast USA

Nov 29th - Heavy Snowfall

Jan

Feb

Mar

Apr

May

Jun

Jul

Aug

Sep

Oct

Nov

Dec

Chicago

New York

Washington

Philadelphia

Americas Busiest Bikes | Public Events

Feb 15th - Presidents Day

July 4th - Independence Day

Nov 8th - Presidential Election

6pm

8am

Chicago

6pm

8am

New York

6pm

8am

Washington

6pm

8am

Philadelphia

Jan

Feb

Mar

Apr

May

Jun

Jul

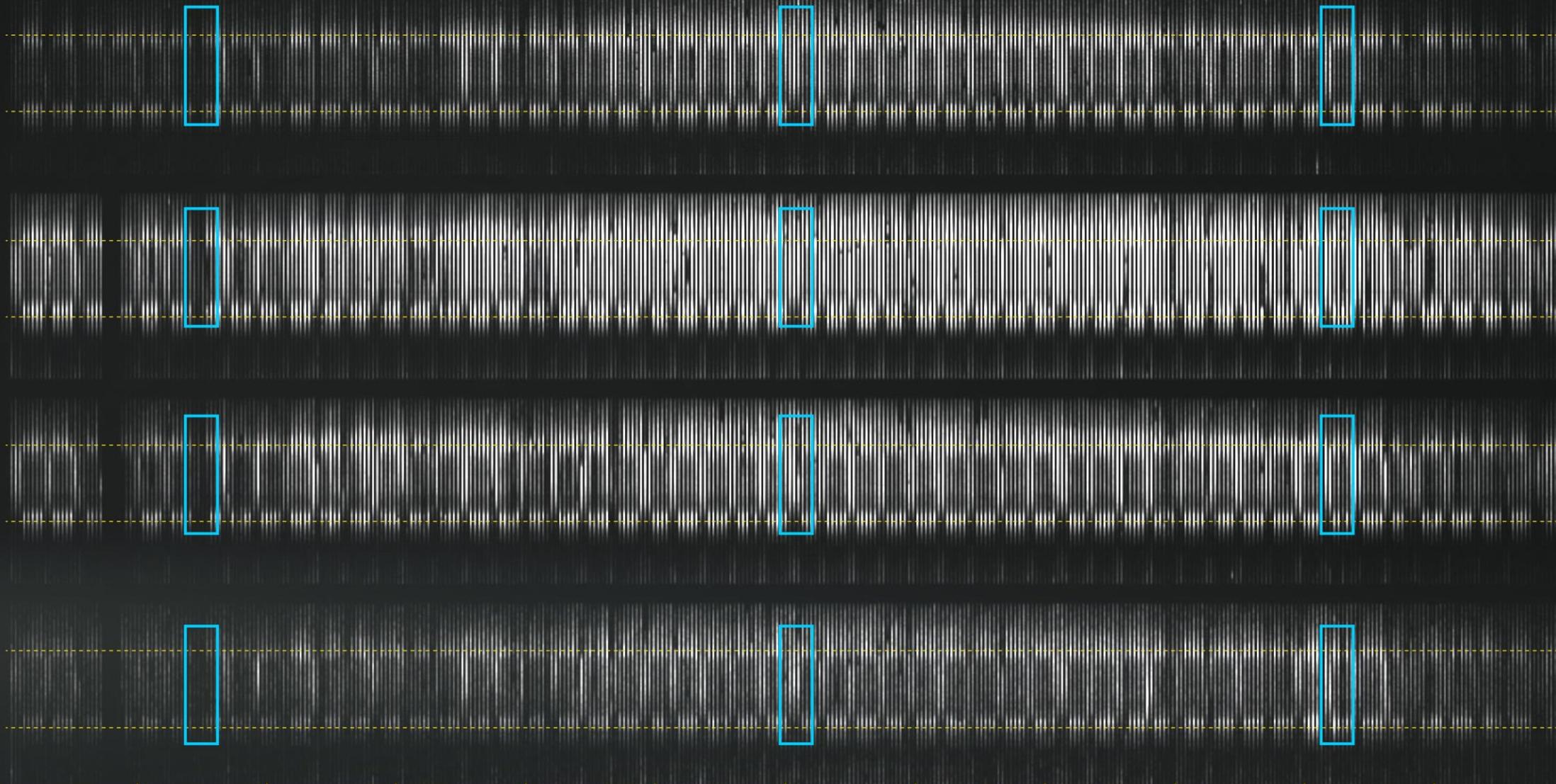
Aug

Sep

Oct

Nov

Dec

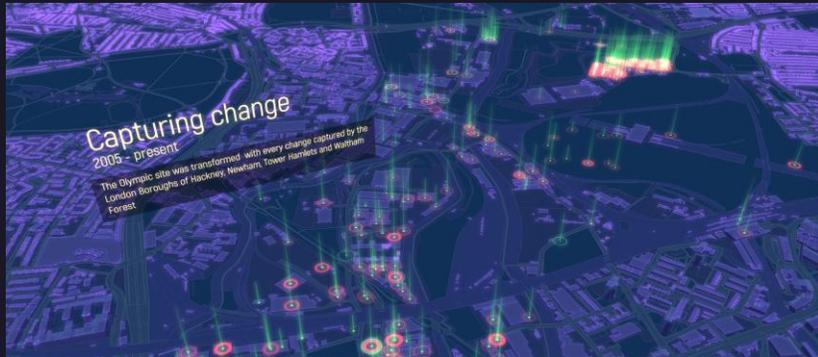


GeoPlace

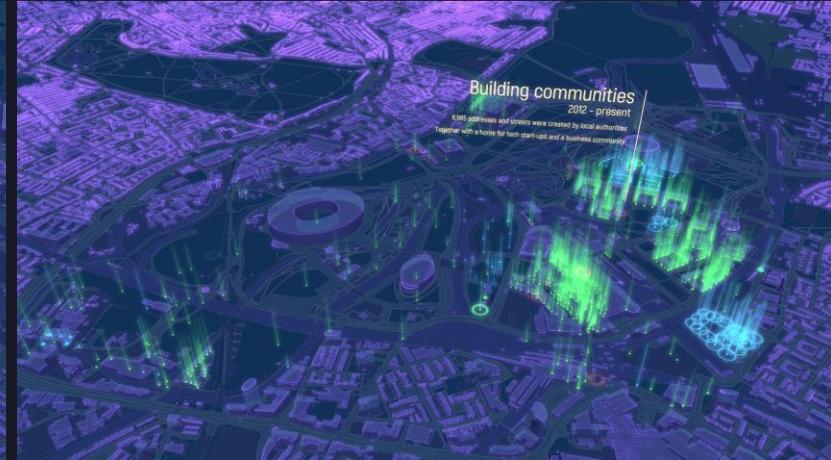
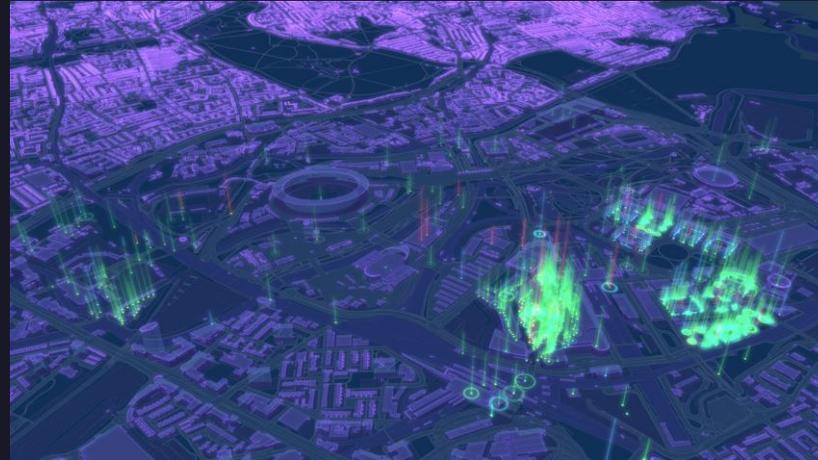
Mapping property
status change



Storyboard



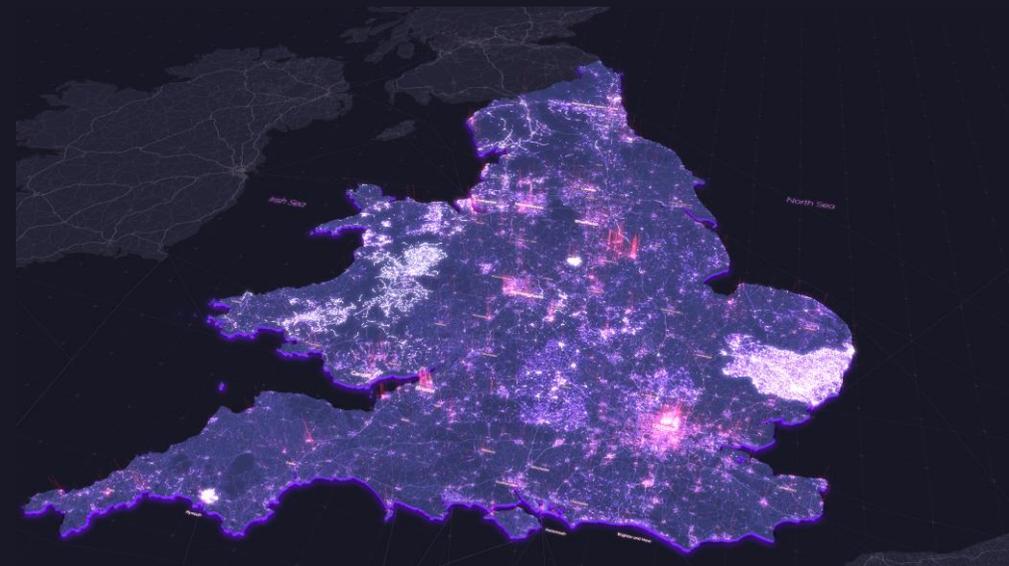
The Olympic Legacy (Local Scale)



This data is diligently captured by local authority custodians, checked, verified, and used by millions of people.



Small multiples (Sub-regional Scale)



A national picture of change

Challenges

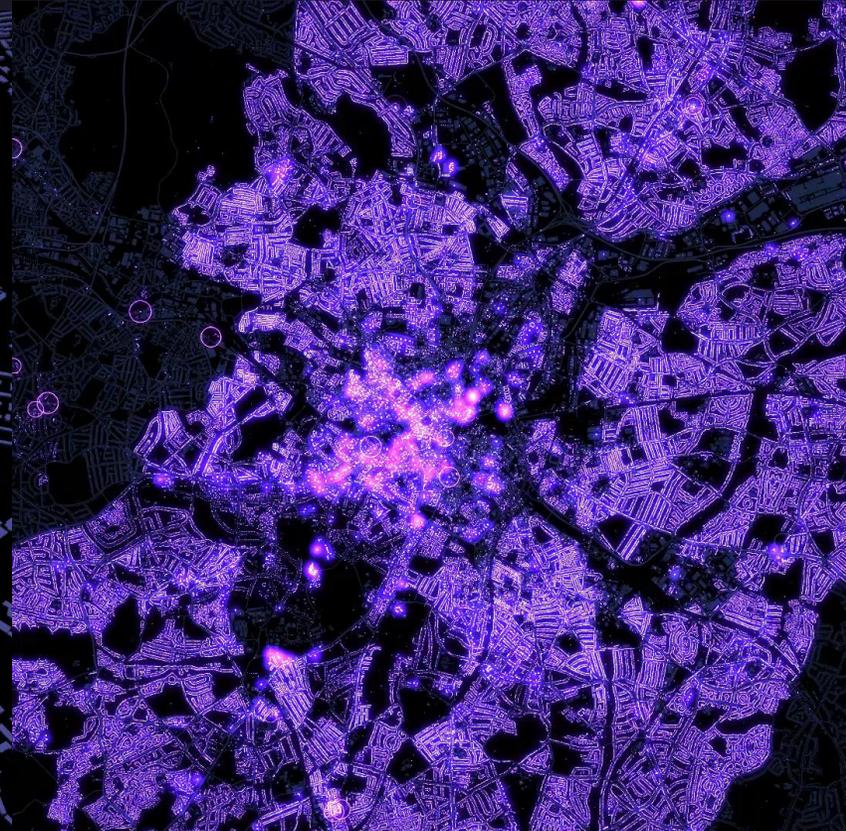
Mapping change in
mastermap data



Animating building
growth/decline



Visualising a huge volume of
change







Thank you

<https://towardsdatascience.com/coral-cities-an-ito-design-lab-concept-c01a3f4a2722>

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