

# 为城市提供数据

# ENABLING DATA FOR CITIES

Bruce Taper, Kinesis



# 我们是谁 Who We Are

我们利用数据和软件来改善城市发展。

We exist to make cities better through data + software.

- 更好的数据

*Better Data*

- 更好的决策

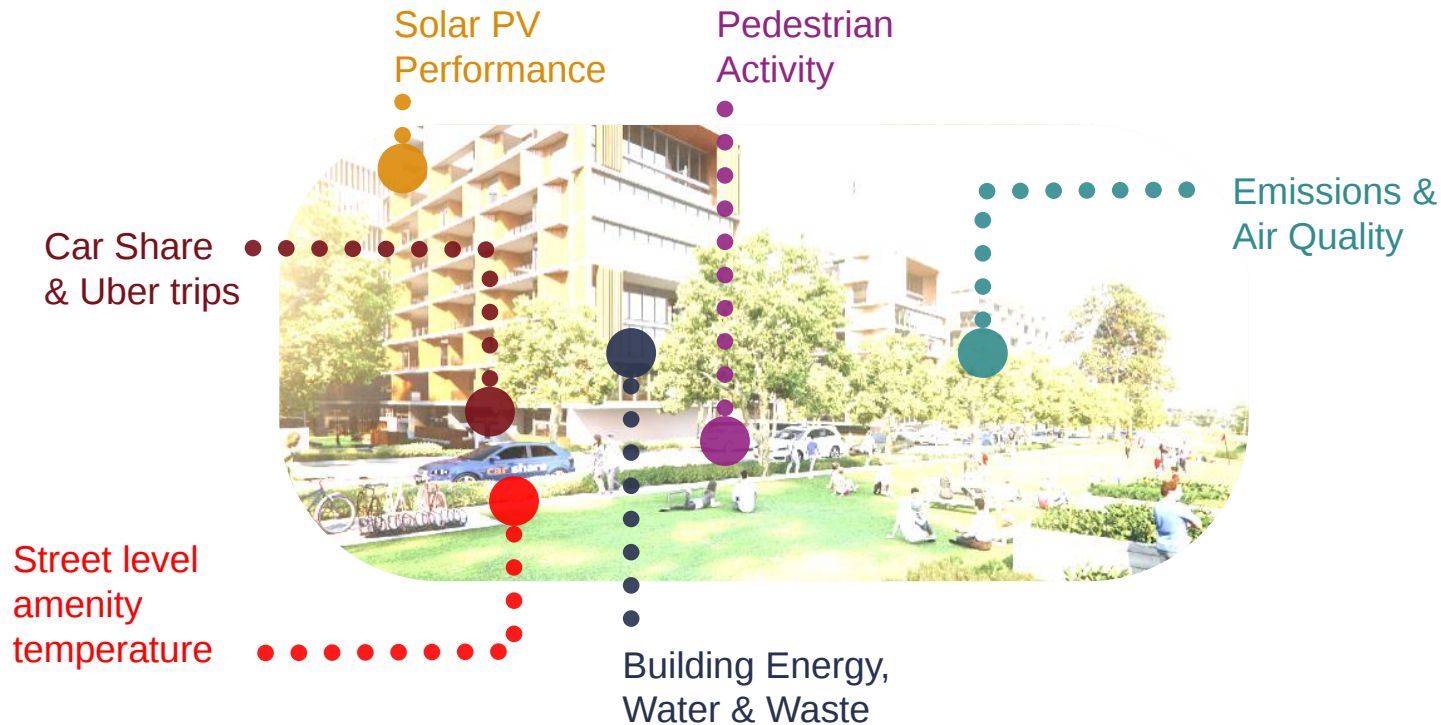
*Better Decisions*

- 更好的城市

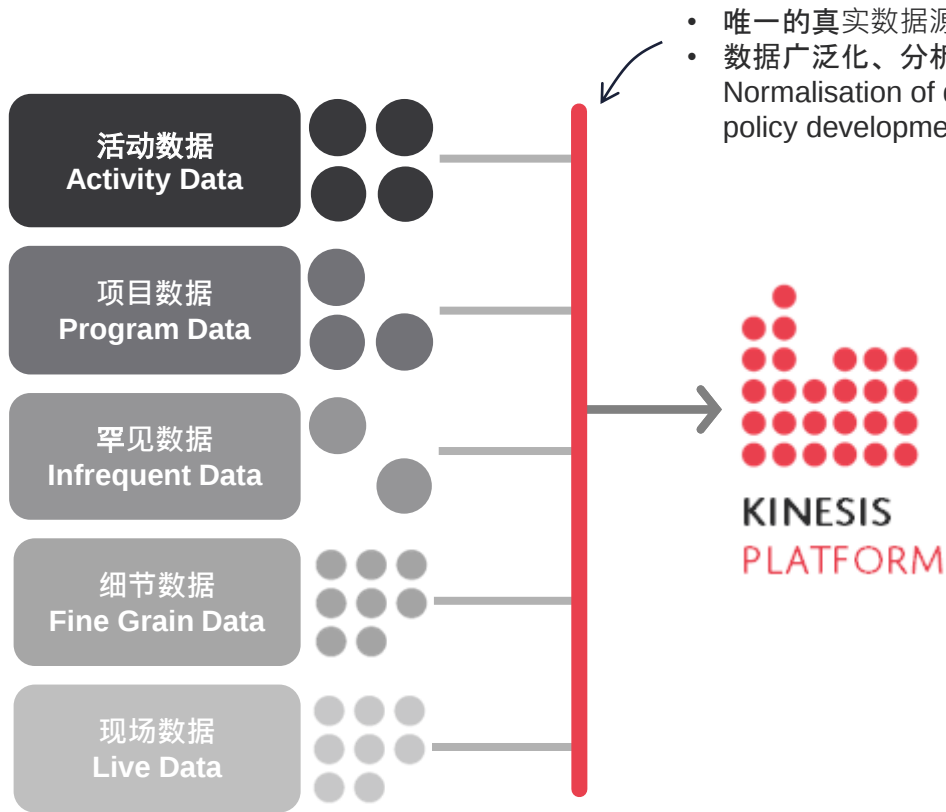
*Better Cities*



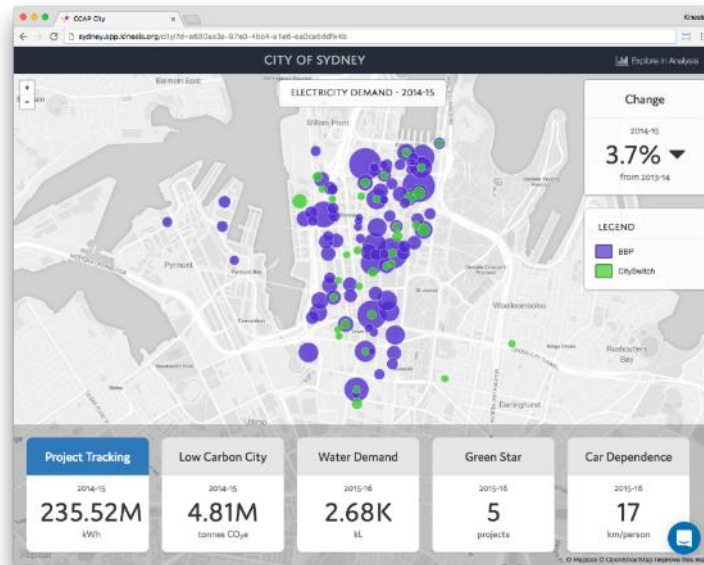
# 分类的城市数据 Disparate Urban Data



# Kinesis 平台 Kinesis Platform



- 唯一的真实数据源 Single source of truth
- 数据广泛化、分析和政策发展的规范化  
Normalisation of data for broad use, analytics and policy development

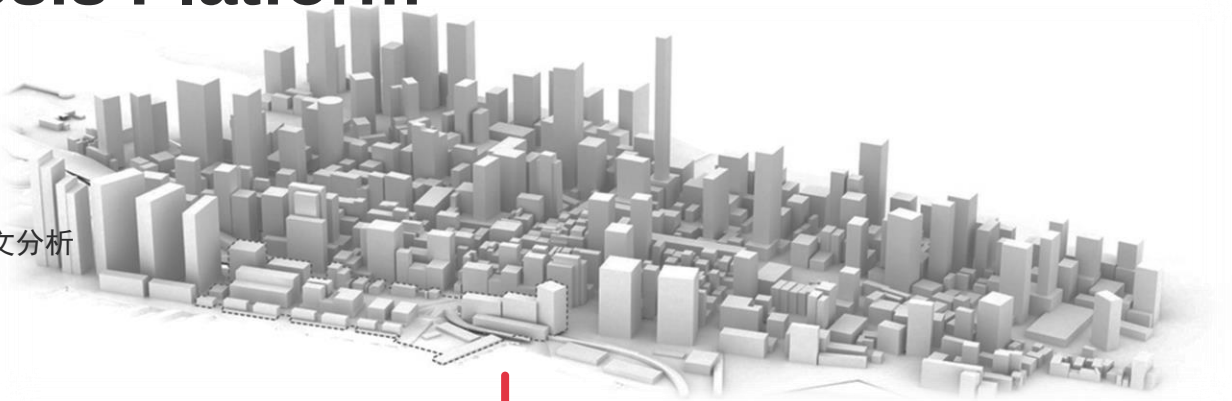


# Kinesis 平台 Kinesis Platform



## 语境 Context

对本地、大都市数据集进行上下文分析  
Contextualise and analyse  
local/metropolitan datasets



## 情景 Scenarios

分析和预测项目和政策的执行情况。  
Analyse and predicted the  
performance of projects & policies.



## 性能 Performance

跟踪、监控和报告城市和项目性能，包  
括实时数据  
Track, monitor & report city & program  
performance, including real-time data





# 环境分析 **Context**

城市政策&投资情况

Informing City Policy & Investment

REPORTS

EXPLORE

## SELECTIONS

## DATA TYPES

3 selected

## INTENSITY

1 selected

## PERIODS

1 year

## AREAS

All selected

## SECTORS

3/8 selected

## LABELS

Not filtered

## OPTIONS

View Type



Primary Group By:

Area - SA1 x Trav

+ New

Save

## EMISSIONS PER DWELLING



2015-16



Fixed

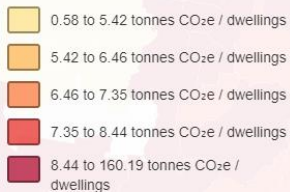
[Show options](#)Auto-Centre ☐ Lock MapBlue Mountains  
National ParkBerrig  
HillKurrumbidgee  
National ParkMurrumbidgee  
National Park

Sydney

RWU

SYD

## LEGEND



# 城市排放

## City Emissions

mapbox

Holsworthy  
Military Reserve

© Mapbox © OpenStreetMap Improve this map

REPORTS

EXPLORE

## SELECTIONS

## DATA TYPES

3 selected

## INTENSITY

1 selected

## PERIODS

1 year

## AREAS

All selected

## SECTORS

3/8 selected

## LABELS

Not filtered

## OPTIONS

View Type



Primary Group By

Area - SA1 x Travi

+ New

Save

## RESIDENTIAL WATER USE (KL/DWELLING/YEAR) FOR 2014/15

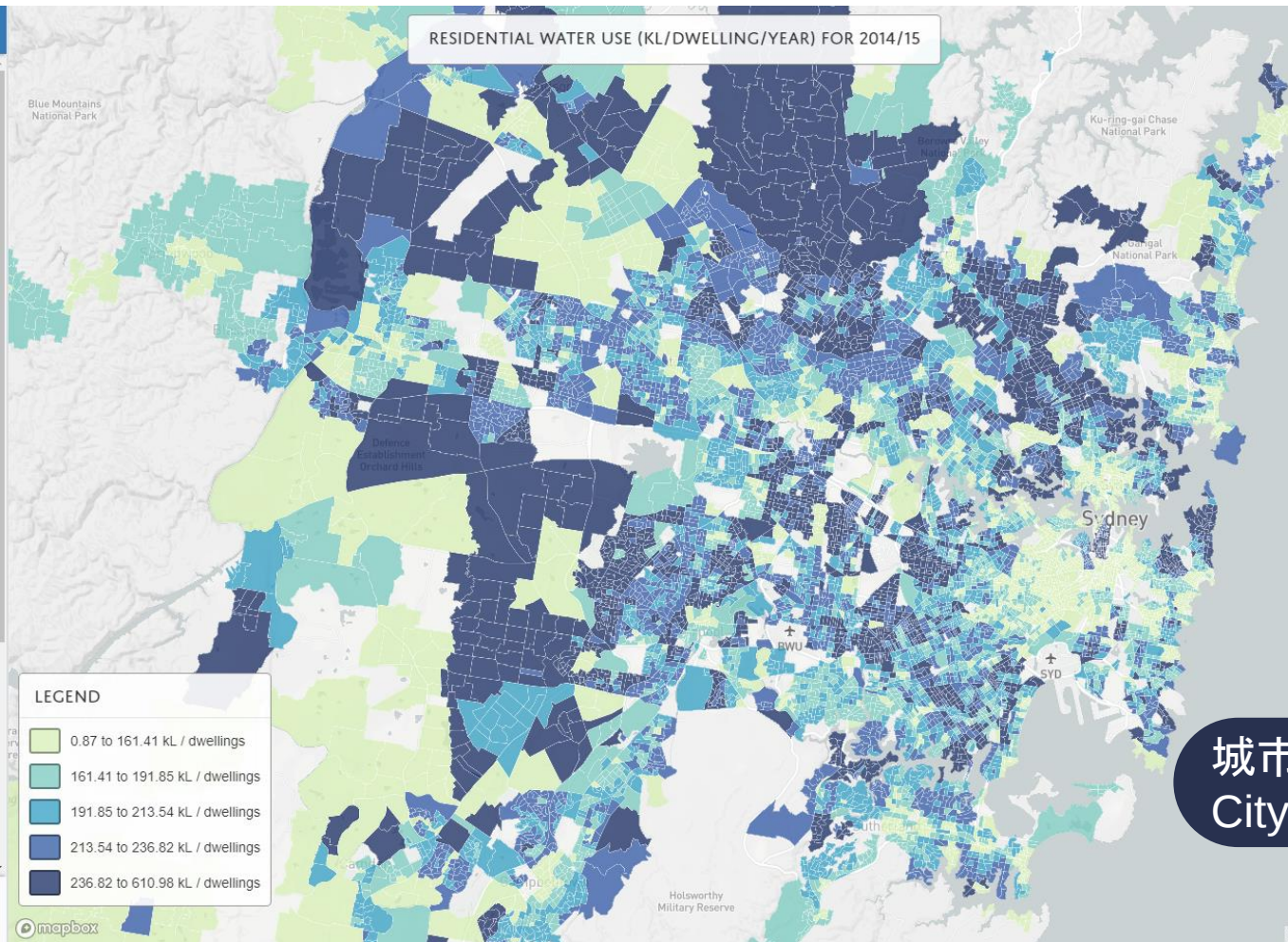


2014-15



Fixed

Show options

Auto-Centre ☐ Lock Map

城市用水状况  
City Water Use

REPORTS

EXPLORE

## SELECTIONS

## DATA TYPES

6 selected

INTENSITY  
METRIC

1 selected

## PERIODS

1 year

## AREAS

All selected

## SECTORS

3/8 selected

## LABELS

Not filtered

## OPTIONS

View Type



Primary Group By

Area - SA1 x Travi

+ New

Save

## RESIDENTIAL CAR USE (KM/DWELLING/YEAR) FOR 2014/15

2014-15

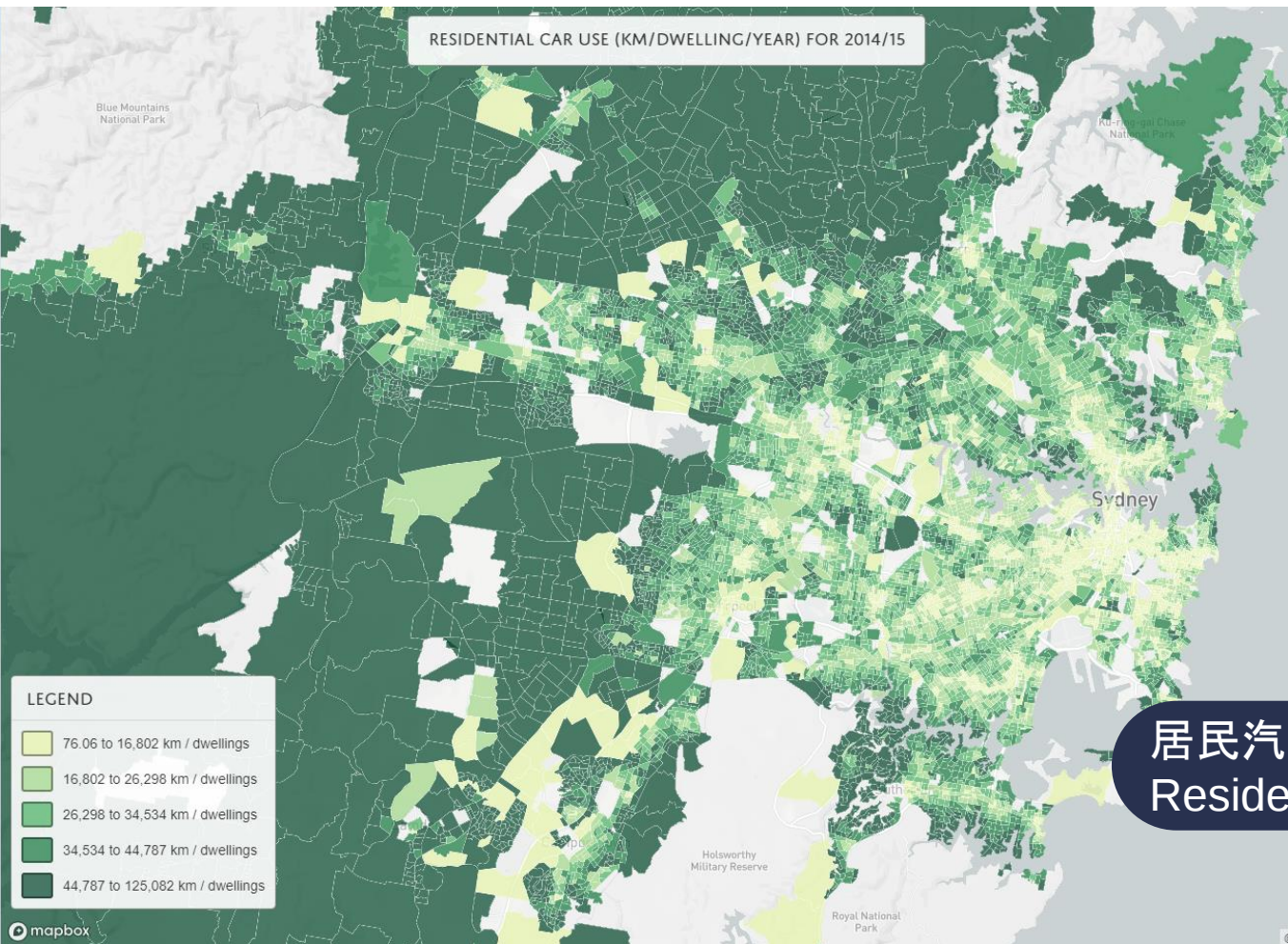
Fixed

Show options

Auto-Centre ☐ Lock Map

## LEGEND

- 76.06 to 16,802 km / dwellings
- 16,802 to 26,298 km / dwellings
- 26,298 to 34,534 km / dwellings
- 34,534 to 44,787 km / dwellings
- 44,787 to 125,082 km / dwellings



居民汽车使用状况  
Resident Car Use

mapbox

© Mapbox © OpenStreetMap Improve this map





**影响国家、大城市和地方层面政策**

***Affecting policy at the state,  
metropolitan and local levels***



为了大悉尼发展，研究净零排放

# Exploring Net Zero Emissions for Greater Sydney



## SELECTIONS

## DATA TYPES

13 selected

INTENSITY  
METRIC

Disabled

## PERIODS

2 years

## AREAS

All selected

## SECTORS

All selected

## LABELS

Not filtered

## OPTIONS

View Type



Primary Group By

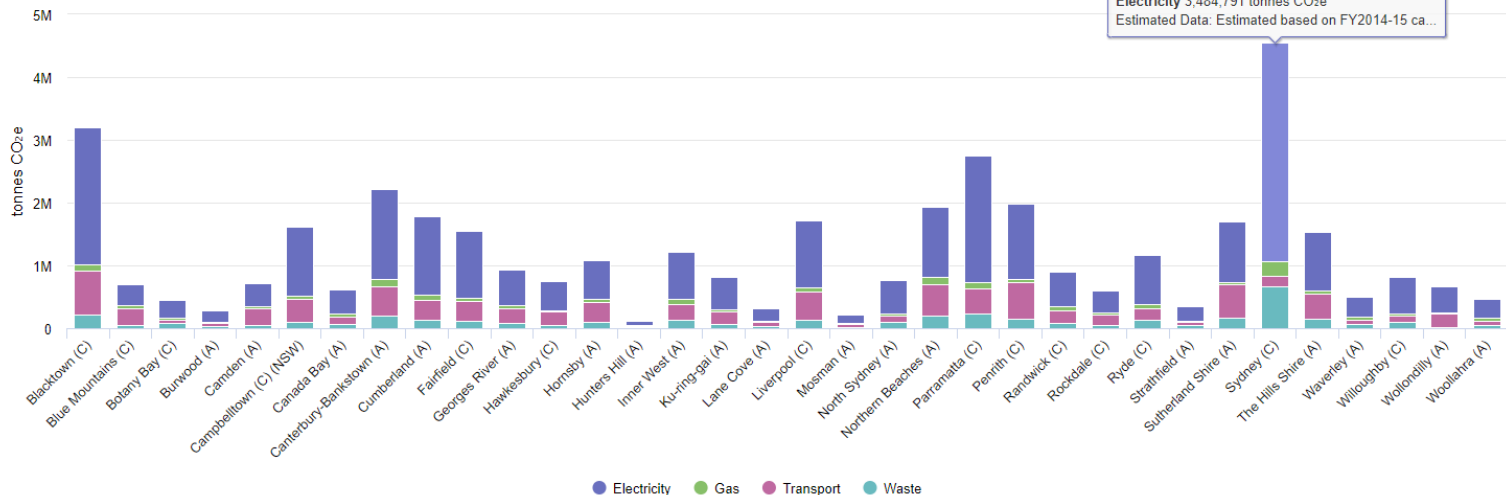
Label - LGA (2016)

+ New

Save

## EMISSIONS BY LOCAL GOVERNMENT AREA

SCOPES (1 + 2 + 3)

EMISSIONS (TONNES CO<sub>2</sub>E)

Download CSV

Label - LGA (2016)

Data Category

2015-16

Blacktown (C)

Electricity

2,179,074

Blacktown (C)

Gas

104,3

Blacktown (C)

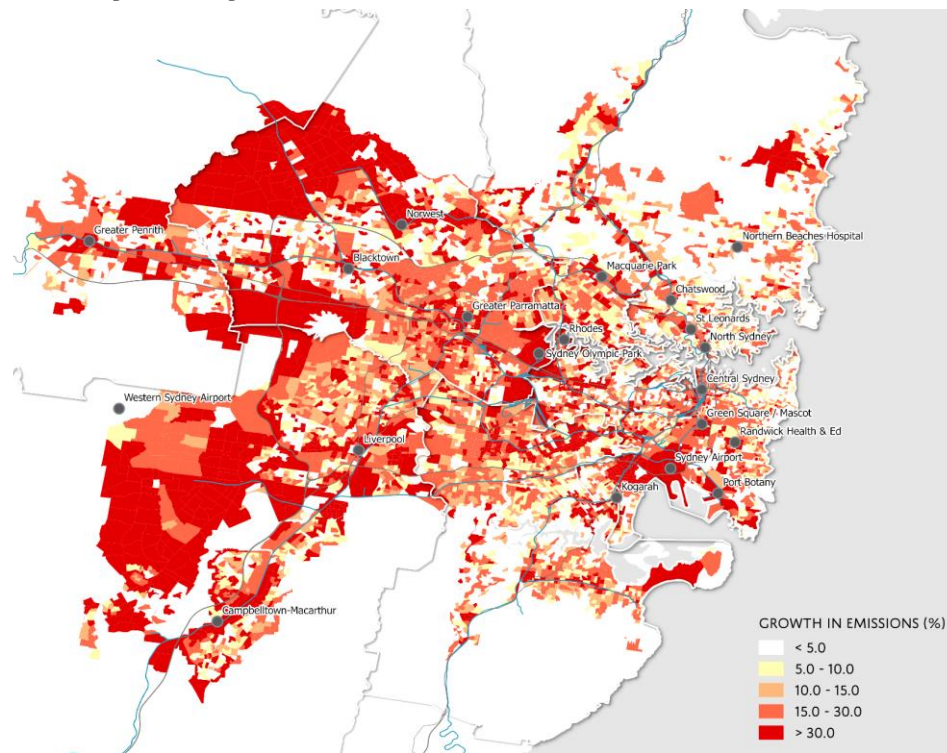
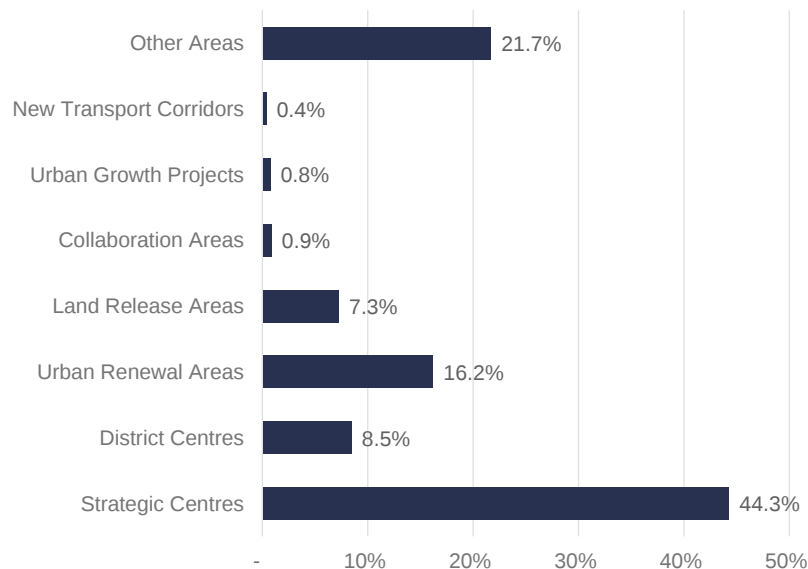
Transport

708,385

# 大悉尼委员会 Greater Sydney Commission

## 了解悉尼的排放量增长

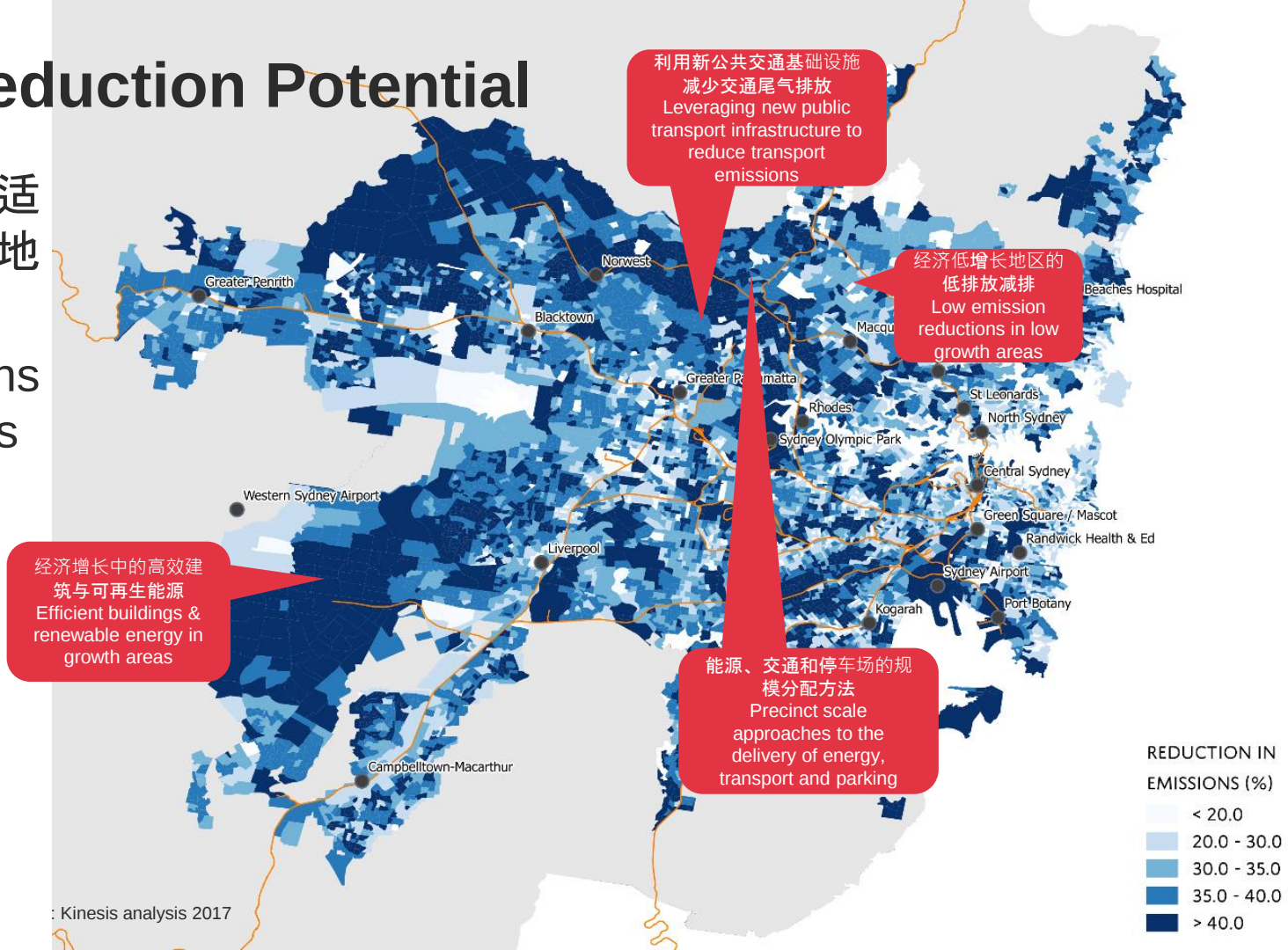
## Understanding Emissions Growth across Sydney



# 减排潜力 Reduction Potential

不同的解决方案适用于悉尼的不同地区

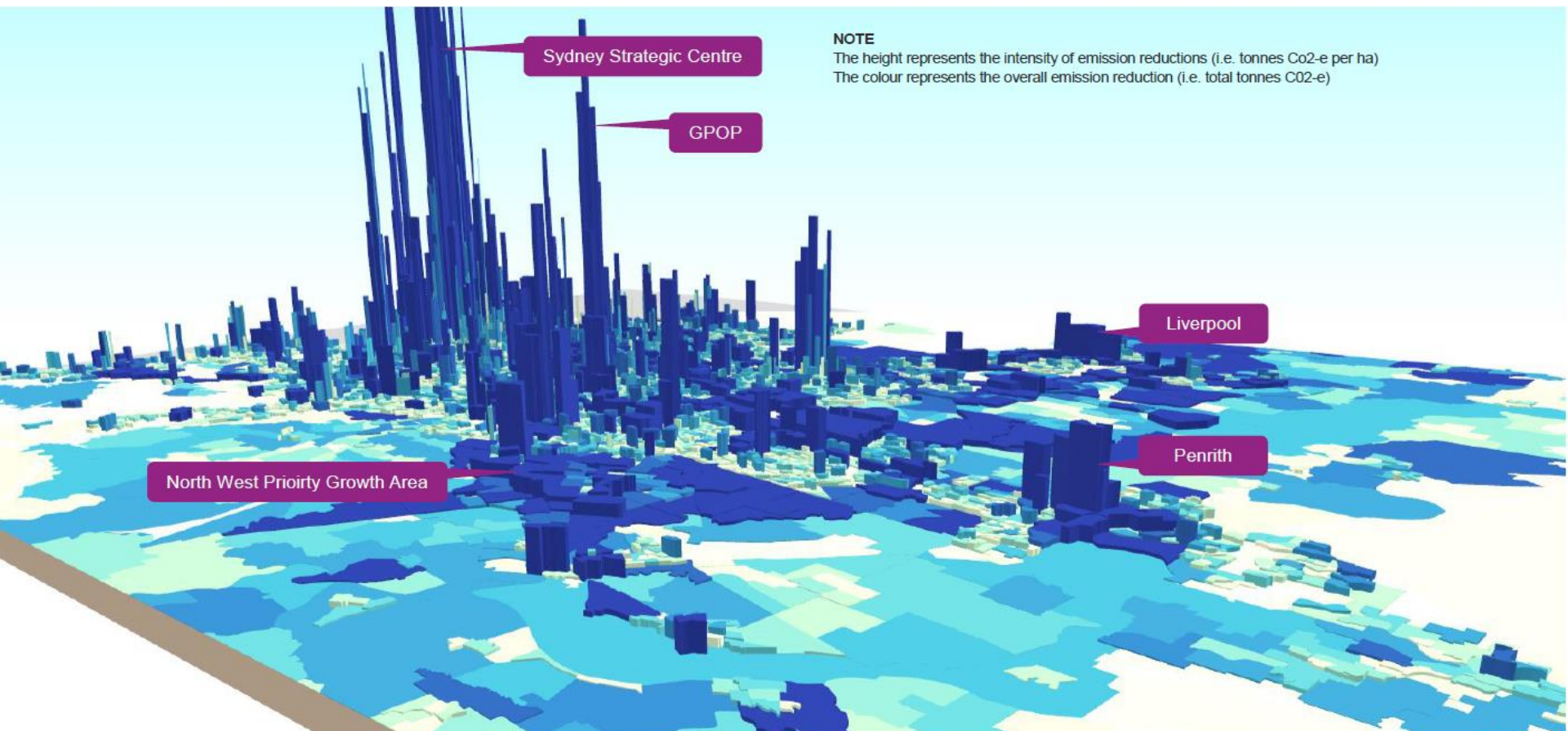
Different solutions for different parts of Sydney



: Kinesis analysis 2017

# 可视化减排潜力

## Visualising Emission Reduction Potential

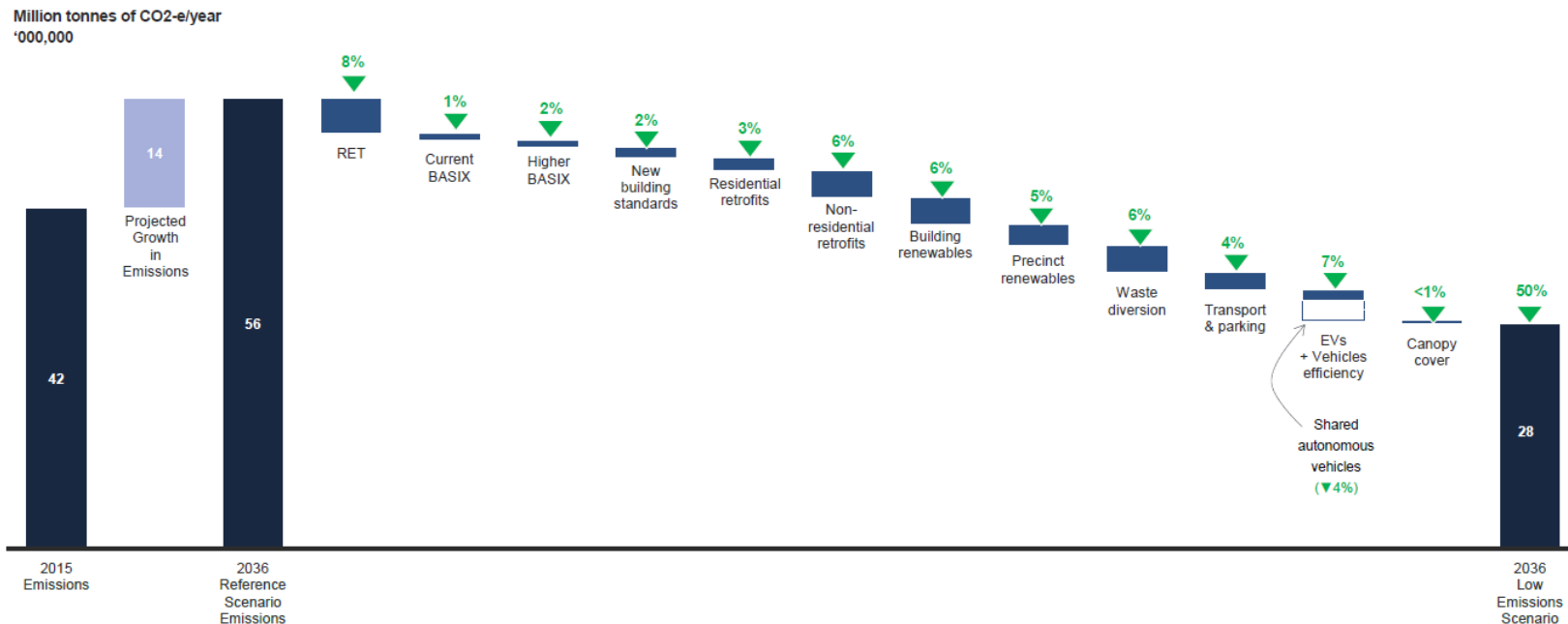


# 大悉尼的减排潜力

## Greater Sydney Emissions Reduction Potential

### 政策减排潜力

### Emission Reduction Potential by Policy

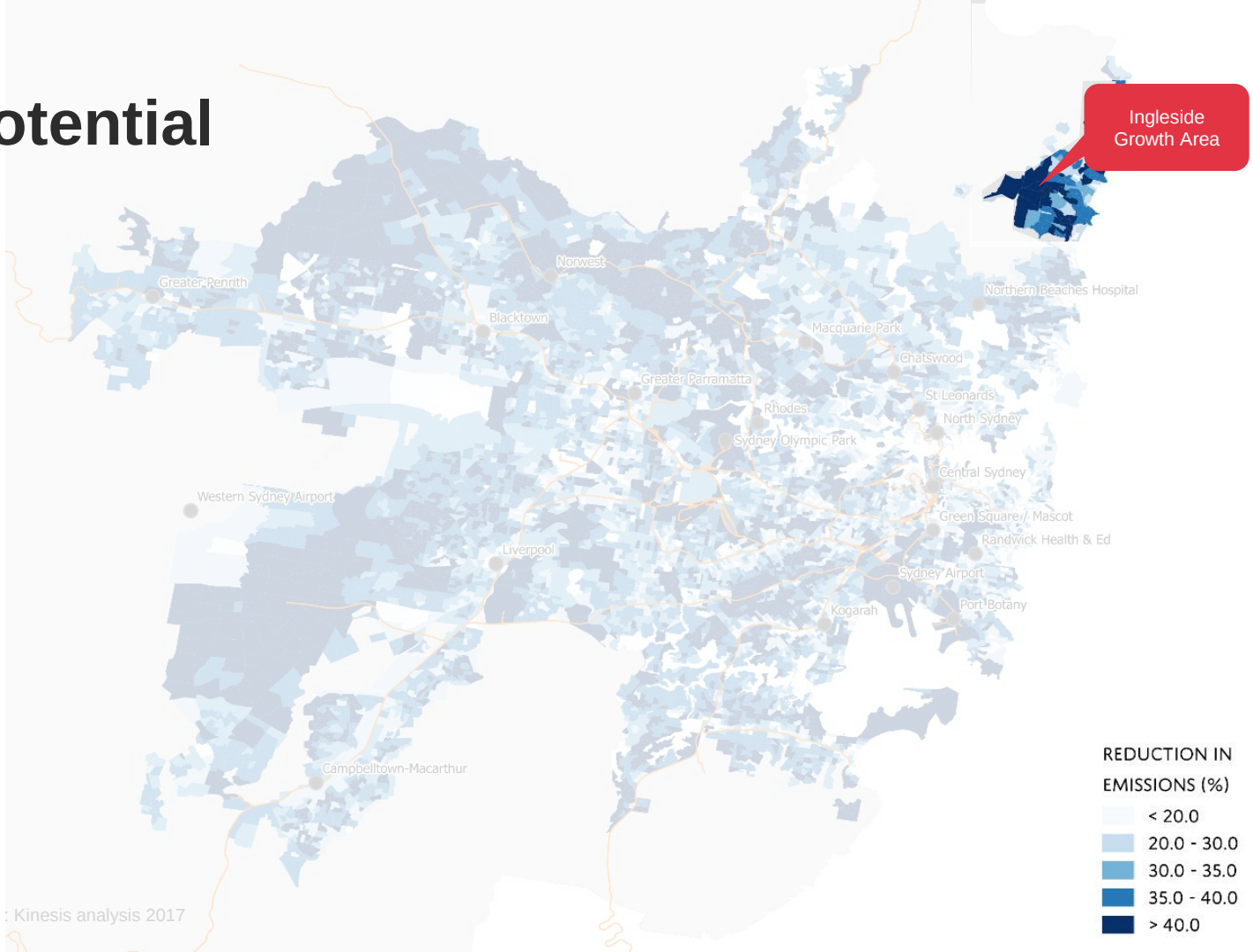


# 减排潜力

## Reduction Potential

不同的解决方案适用于悉尼的不同地区

Different solutions for different parts of Sydney

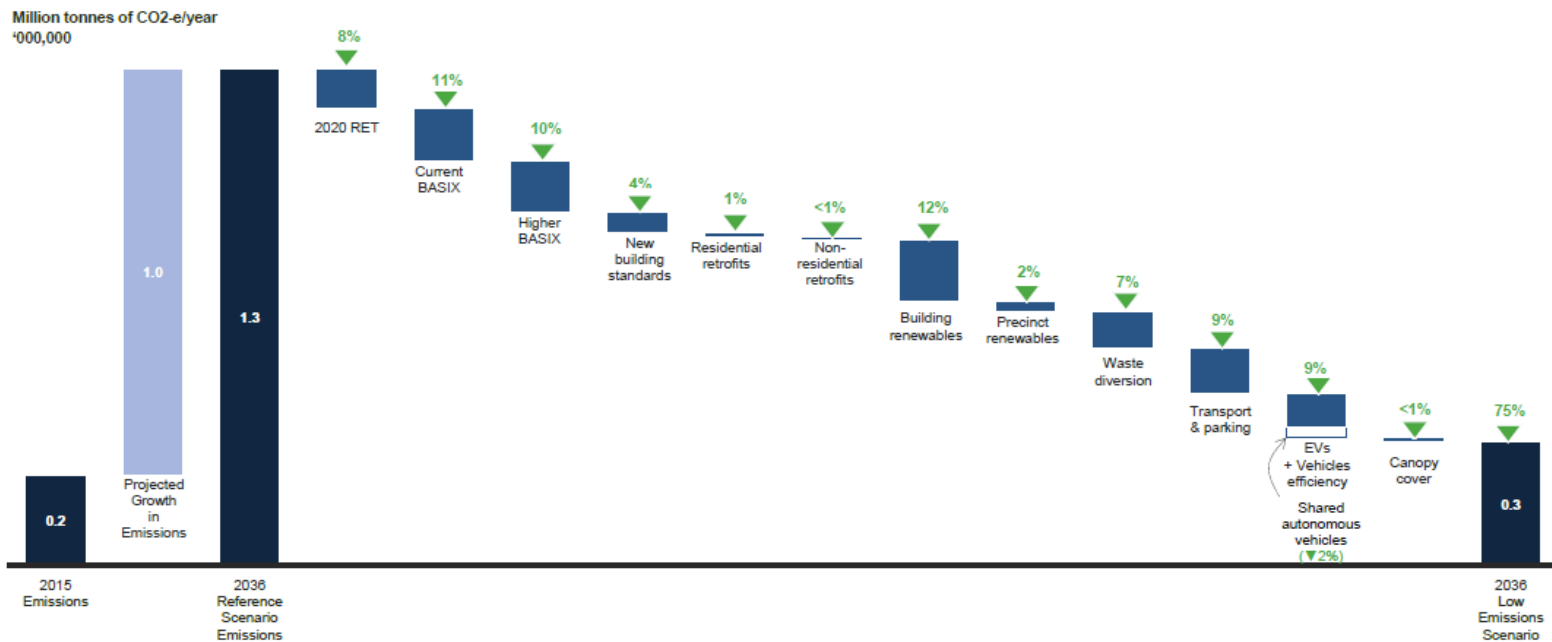


# 土地释放区 ( 如Ingleside )

## Land Release Areas (e.g. Ingleside)

### 政策减排潜力

### Emission Reduction Potential by Policy



# Responding to Urban Heat Island 论城市热岛效应

**Sydney weather: Temperatures hit 40C in western Sydney ahead of late cool change**

By Kathleen Calderwood

Updated 14 Dec 2017, 6:43pm

**Western Sydney sweated through new record high 15C hotter than city's beaches**

Updated 19 Dec 2017, 9:51pm

**Heatwave: Temperatures to rise above 40C as weather forecasters issue heat stress warning**

Updated 5 Jan 2018, 8:08pm

JANUARY 15 2018

[SAVE](#) [PRINT](#) [LICENSE ARTICLE](#)

**Severe heatwave headed for Sydney and eastern NSW, with more days in the 40s likely**

Western Sydney and the state's northwest are experiencing high temperatures above 40C again with no cool change forecast for at least a week.

## FILTERS

Reset

## DATA TYPES

2 selected

## INTENSITY

3 selected

## PERIODS

12 selected

## AREAS

29 selected

## SECTORS

140 selected

## LABELS

Not filtered

## OPTIONS

## View Type



## Area Mode

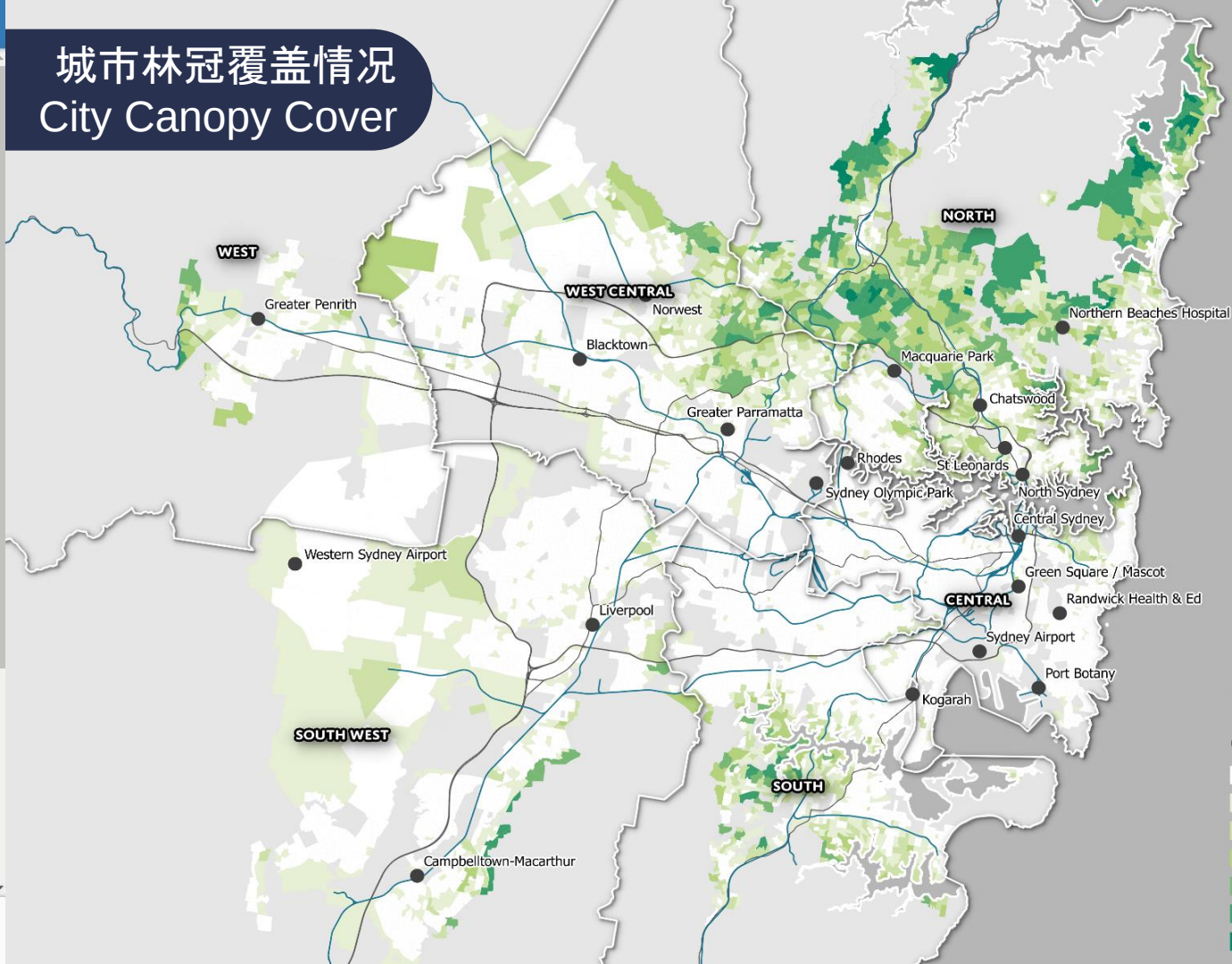


## Group By

Save Report

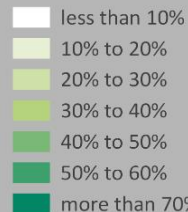
# 城市林冠覆盖情况

## City Canopy Cover



## LEGEND

## CANOPY COVER



## FILTERS

Reset

## DATA TYPES

2 selected

## INTENSITY

3 selected

## PERIODS

12 selected

## AREAS

29 selected

## SECTORS

140 selected

## LABELS

Not filtered

## OPTIONS

## View Type



## Area Mode

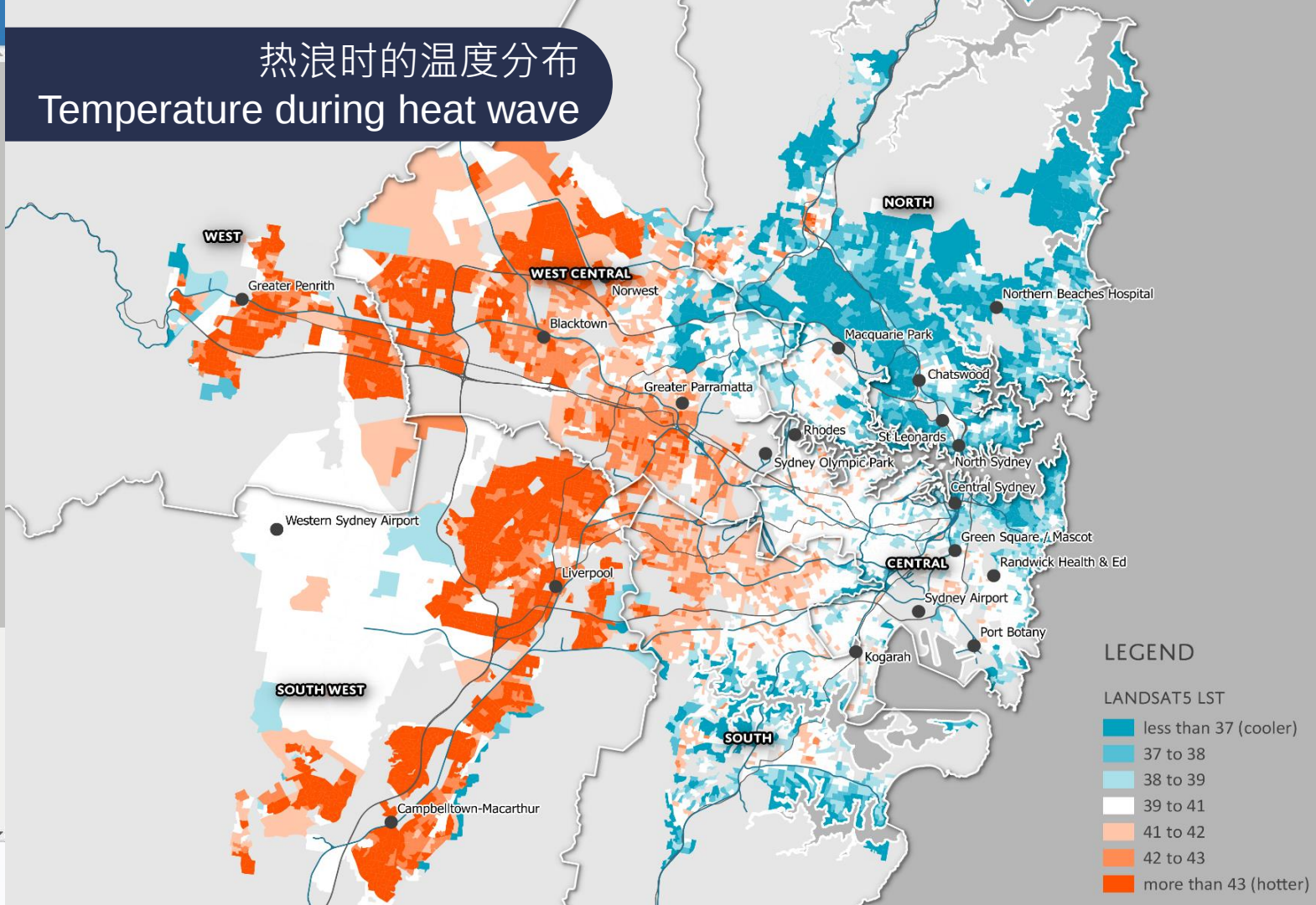


## Group By

Save Report

# 热浪时的温度分布

## Temperature during heat wave





## FILTERS

Reset

## DATA TYPES

2 selected

INTENSITY  
METRIC

3 selected

## PERIODS

12 selected

## AREAS

29 selected

## SECTORS

140 selected

## LABELS

Not filtered

## OPTIONS

View Type



Area Mode

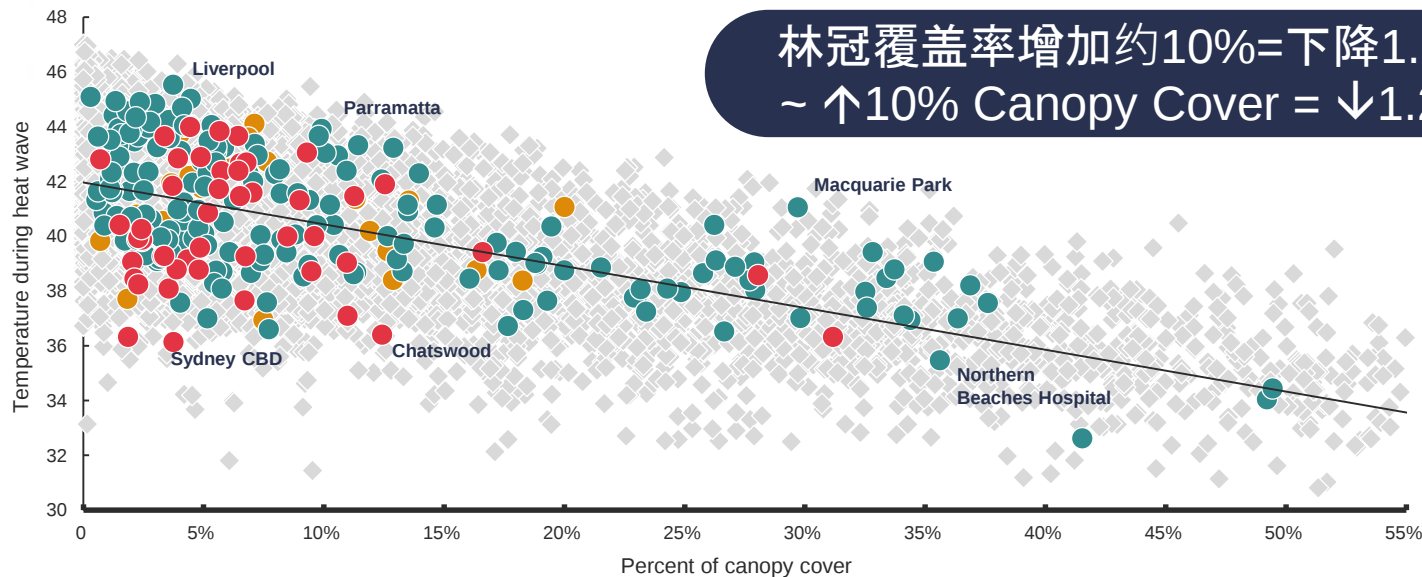


Group By



Save Report

## Canopy Cover v landrat Temperature



## Canopy Cover and landrat Temperature

Custom Groupings

Download CSV

Label - Location

2015-16

SA157360

41.2

SA157361

39.6

SA157362

38.8

## FILTERS

Reset

## DATA TYPES

2 selected

INTENSITY  
METRIC

3 selected

## PERIODS

12 selected

## AREAS

29 selected

## SECTORS

140 selected

## LABELS

Not filtered

## OPTIONS

## View Type



## Area Mode

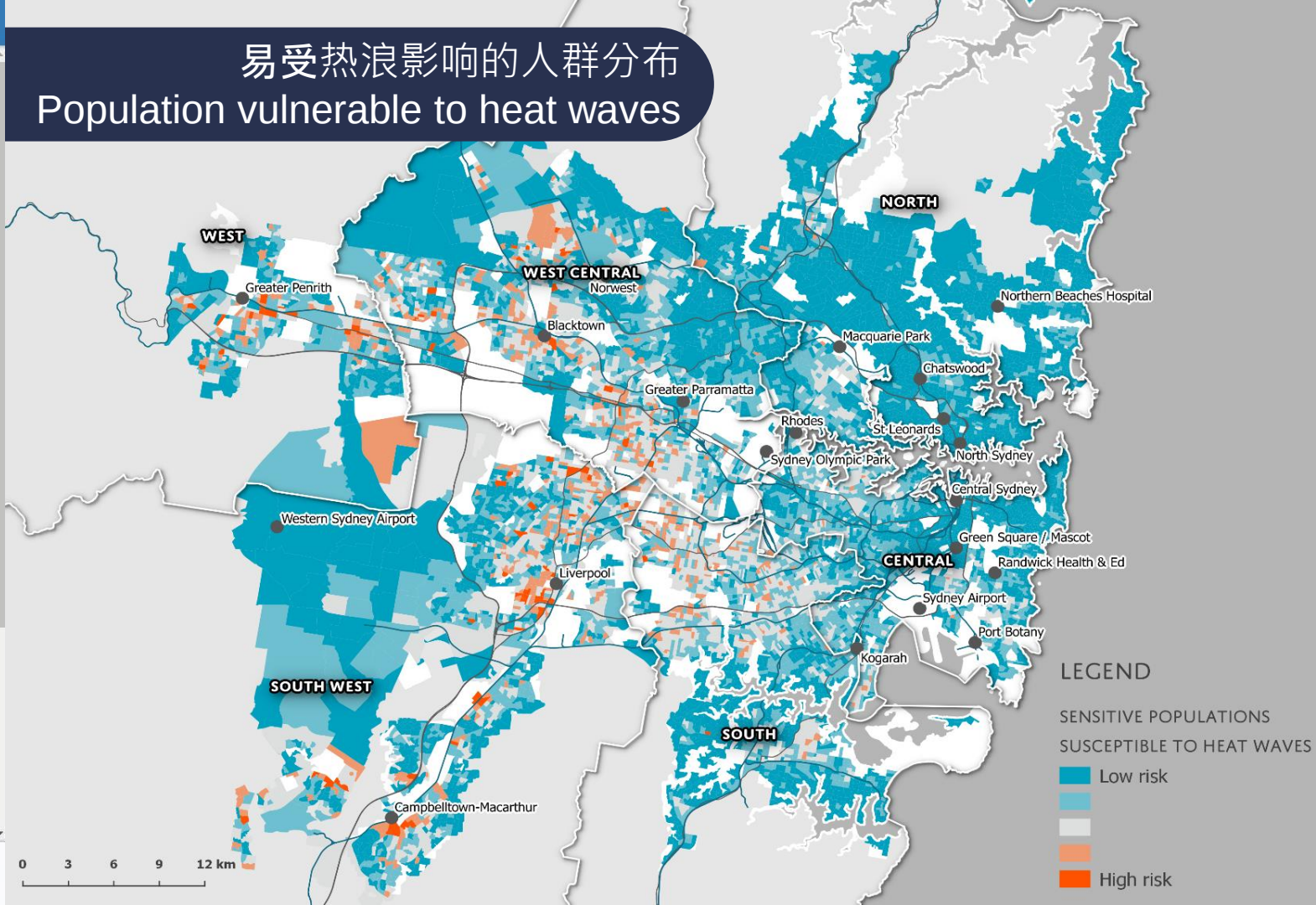


## Group By

Save Report

# 易受热浪影响的人群分布

## Population vulnerable to heat waves



## FILTERS

Reset

## DATA TYPES

2 selected

INTENSITY  
METRIC

3 selected

## PERIODS

12 selected

## AREAS

29 selected

## SECTORS

140 selected

## LABELS

Not filtered

## OPTIONS

## View Type



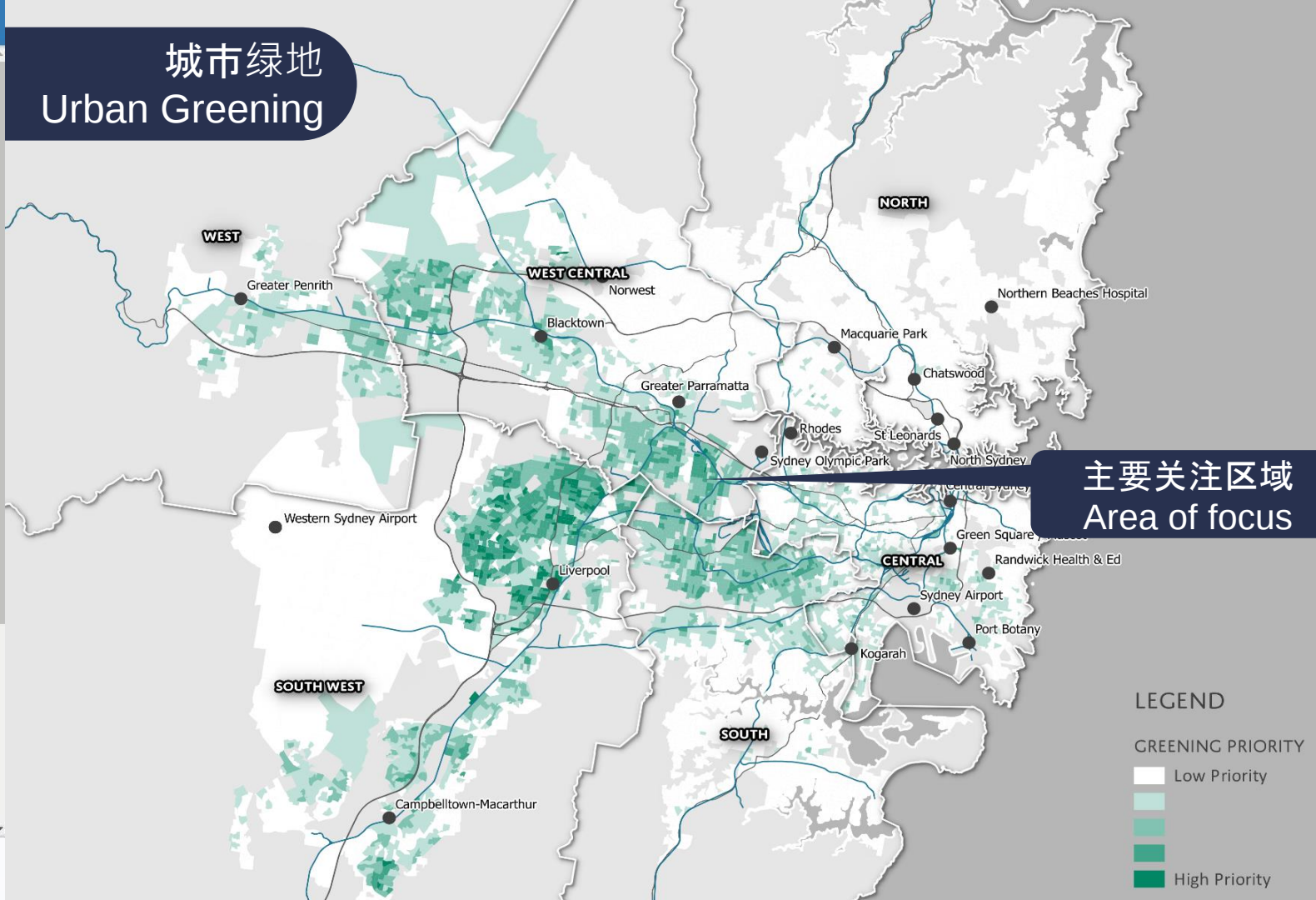
## Area Mode



## Group By

Save Report

# 城市绿地 Urban Greening



主要关注区域  
Area of focus

## LEGEND

## GREENING PRIORITY

Low Priority



High Priority

# 政策声明——绿色悉尼

## Policy Announcement – Greening Sydney

在四年内提供3,750万美元给大悉尼增加500万棵树，到2030年将悉尼的林冠覆盖率提高40%

Provision of \$37.5 million over four years to add 5 million trees to greater Sydney

Doubling Sydney's tree canopy cover to 40% by 2030

[About 5MT](#)[Get involved](#)[Tree selector](#)[News](#)[Register your tree](#)[A A](#)

***Five million trees  
for a greener Sydney by 2030***



# 城市停车场的创新 Metropolitan Parking Innovation

基于对悉尼停车场的调查回顾

Evidence based on review of parking in Sydney

## FILTERS

Reset

## DATA TYPES

1 selected

## INTENSITY

METRIC

1 selected

## PERIODS

6 selected

## AREAS

565 selected

## SECTORS

8 selected

## LABELS

Not filtered

## OPTIONS

## View Type



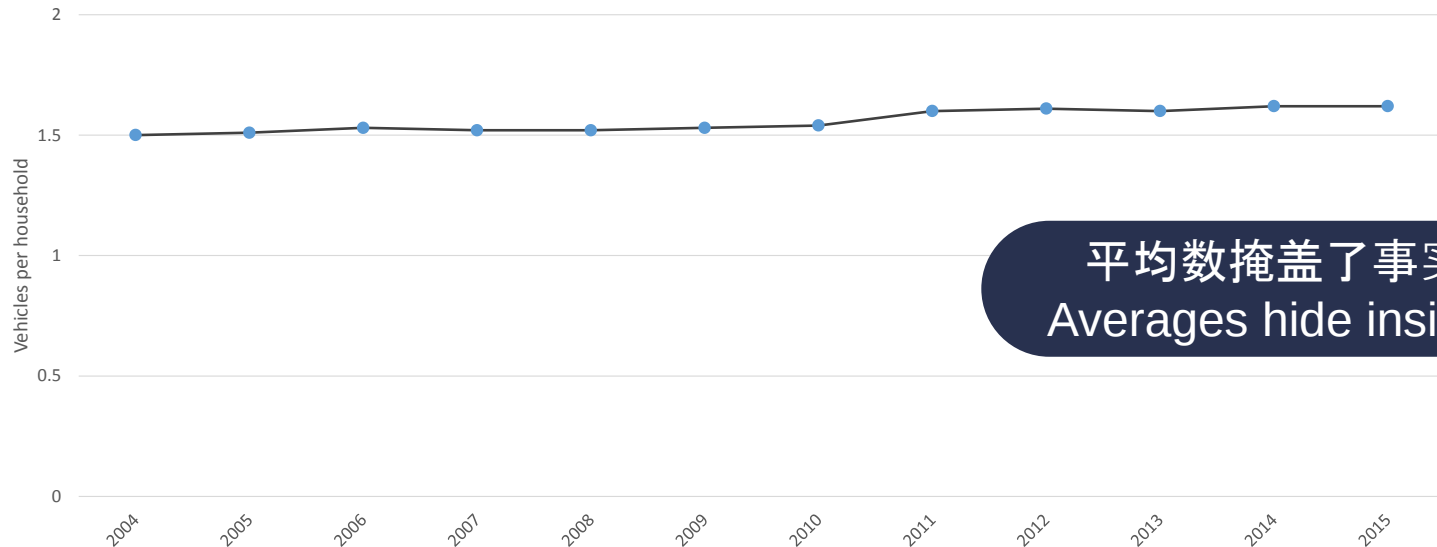
## Group By

Data Type

## Second Group By

Save Report

## CAR OWNERSHIP TRENDS (VEHICLES PER DWELLING)



平均数掩盖了事实  
Averages hide insight

## VEHICLES / DWELLINGS (VEHICLES / DWELLINGS)

Custom Groupings

Download CSV

| Data Type | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|-----------|------|------|------|------|------|------|
| Vehicles  | ---  | ---  | ---  | ---  | ---  | ---  |

## FILTERS

Reset

## DATA TYPES

2 selected

## INTENSITY

3 selected

## PERIODS

12 selected

## AREAS

29 selected

## SECTORS

140 selected

## LABELS

Not filtered

## OPTIONS

## View Type



## Area Mode



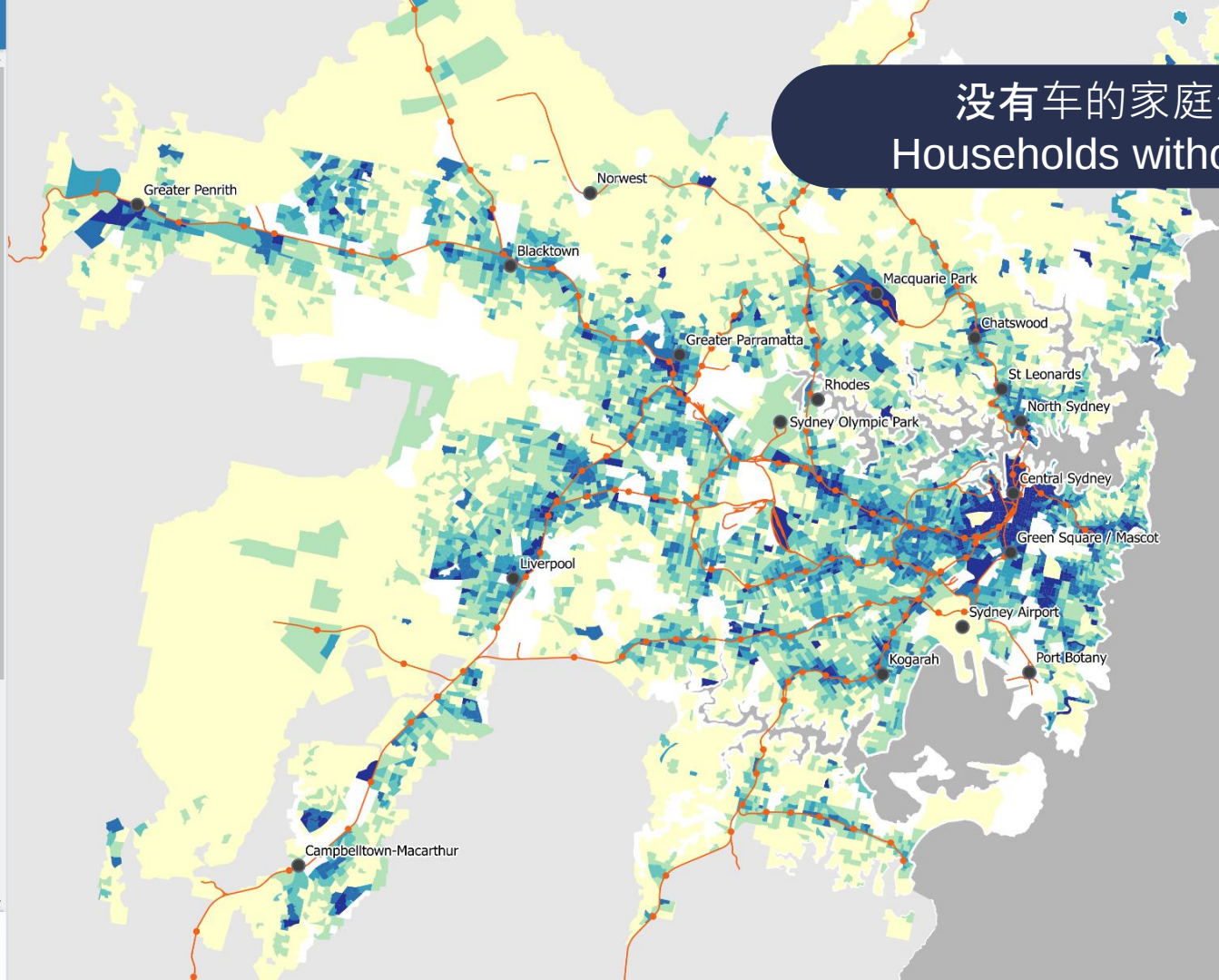
## Group By



Save Report

# 没有车的家庭分布

## Households without cars

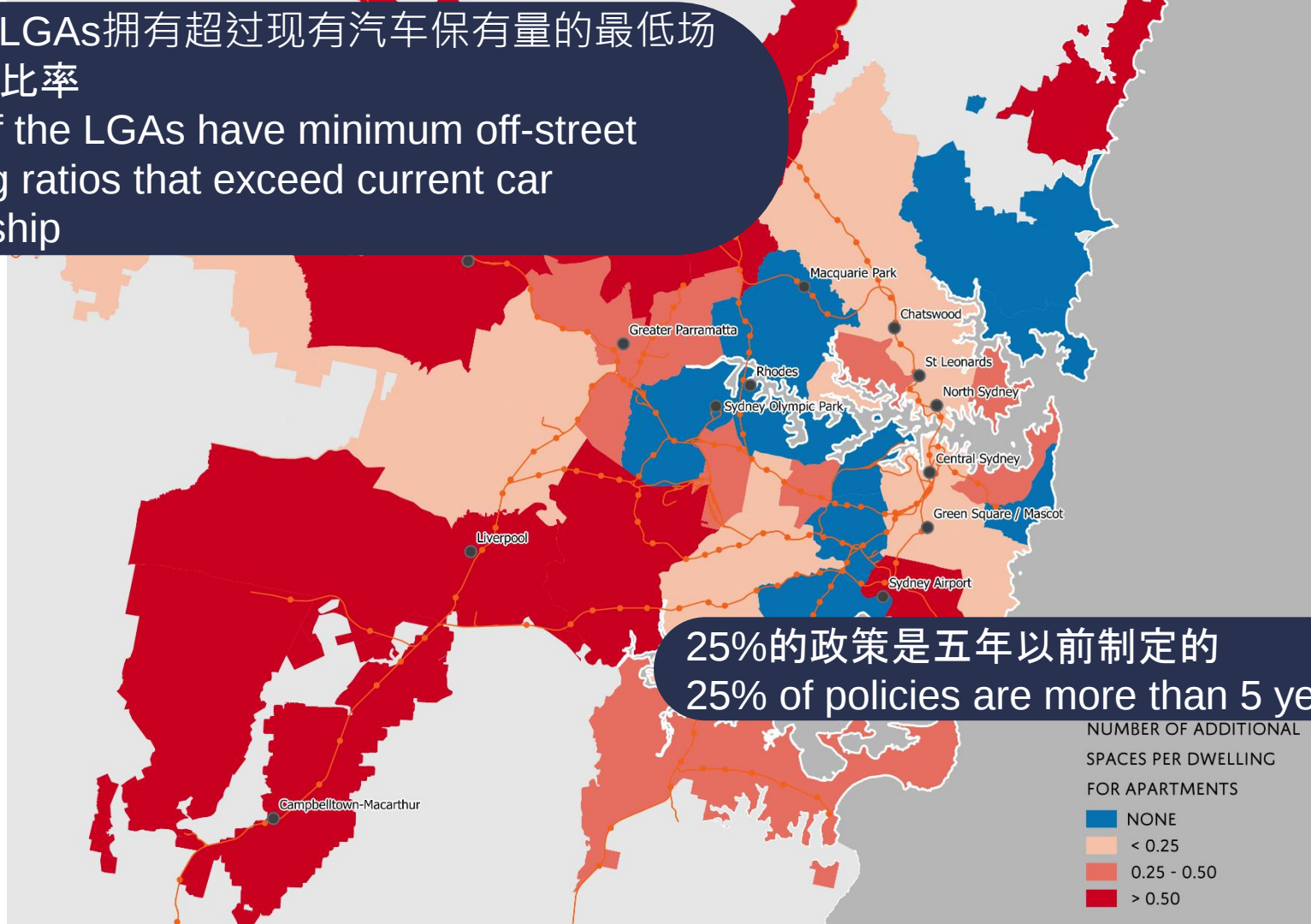


PERCENTAGE OF  
HOUSEHOLDS  
WITHOUT A CAR  
IN 2016



80%的LGAs拥有超过现有汽车保有量的最低场外停车比率

80% of the LGAs have minimum off-street parking ratios that exceed current car ownership





CCAP  
CITY

REPORTS

EXPLORE

Dashboard

Analysis

Summary Reports

Management

FILTERS

Reset

DATA TYPES

2 selected

INTENSITY  
METRIC

Disabled

PERIODS

1 selected

AREAS

2339 selected

SECTORS

2 selected

LABELS

Not filtered

OPTIONS

View Type



Group By

Area - Point

Second Group By

Save Report

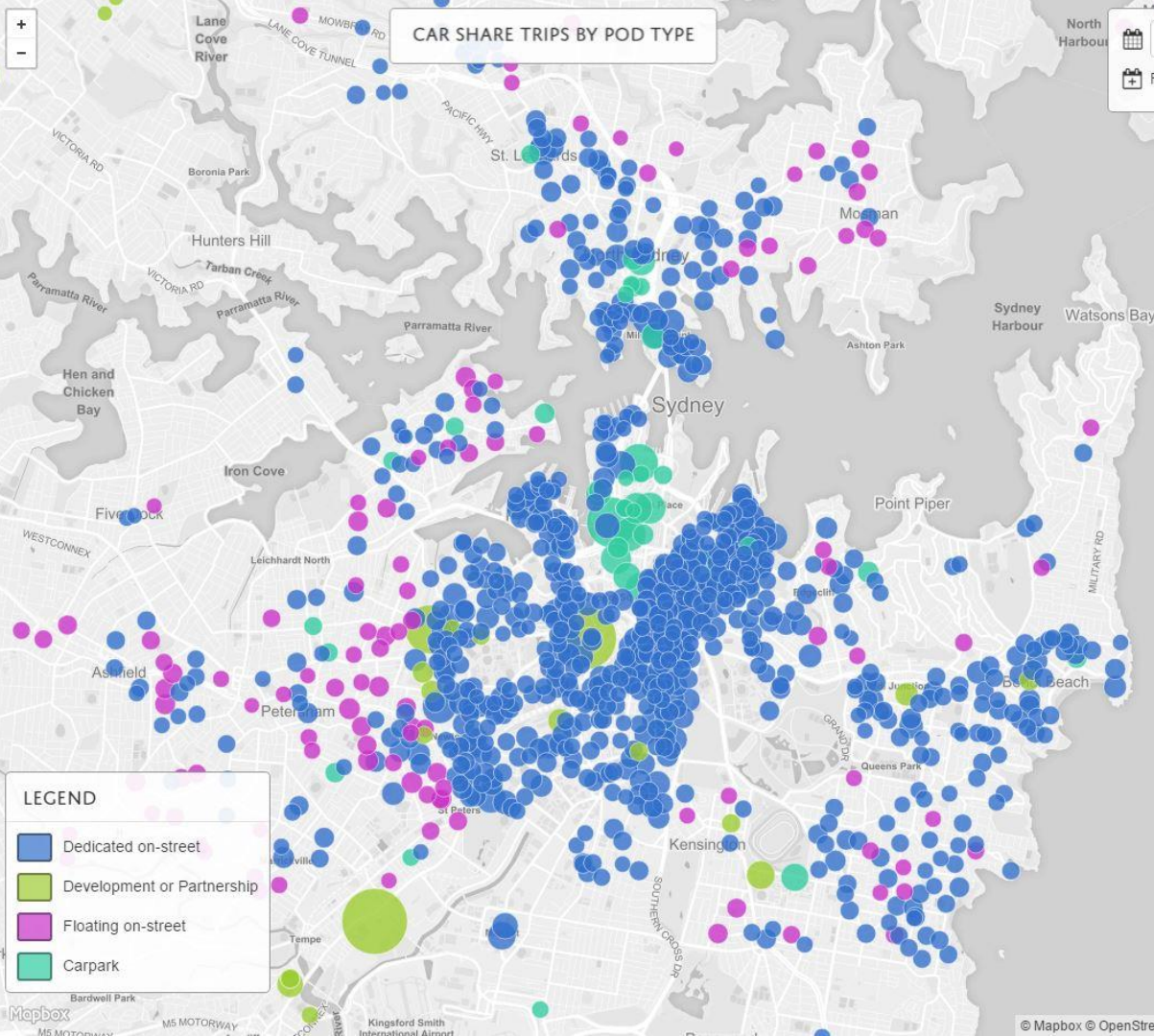
CAR SHARE TRIPS BY POD TYPE



Jan 2016



Fixed



LEGEND

- Dedicated on-street
- Development or Partnership
- Floating on-street
- Carpark

Log Out



© Mapbox © OpenStreetMap Improve this map

## FILTERS

Reset

## DATA TYPES

2 selected

## INTENSITY METRIC

3 selected

## PERIODS

12 selected

## AREAS

29 selected

## SECTORS

140 selected

## LABELS

Not filtered

## OPTIONS

## View Type



## Area Mode



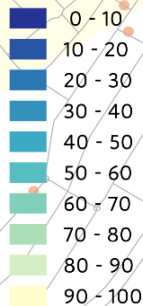
## Group By

Save Report

# Surry Hills 汽车集散区

## Surry Hills car share catchment

## PERCENTAGE BAND



## FILTERS

Reset

## DATA TYPES

2 selected

INTENSITY  
METRIC

3 selected

## PERIODS

12 selected

## AREAS

29 selected

## SECTORS

140 selected

## LABELS

Not filtered

## OPTIONS

## View Type



## Area Mode

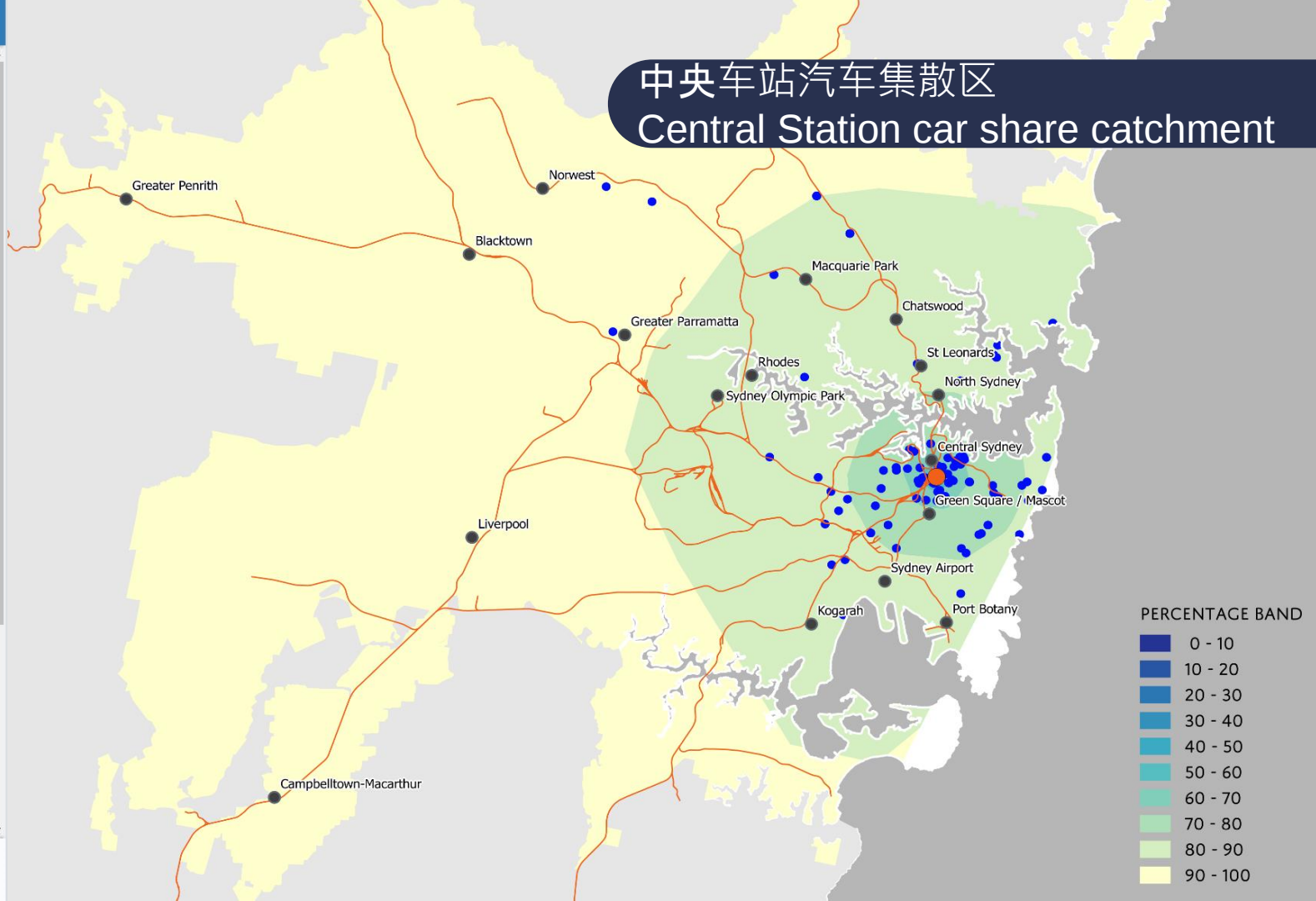


## Group By

Save Report

# 中央车站汽车集散区

## Central Station car share catchment





## FILTERS

Reset

## DATA TYPES

2 selected

INTENSITY  
METRIC

3 selected

## PERIODS

12 selected

## AREAS

29 selected

## SECTORS

140 selected

## LABELS

Not filtered

## OPTIONS

## View Type



## Area Mode

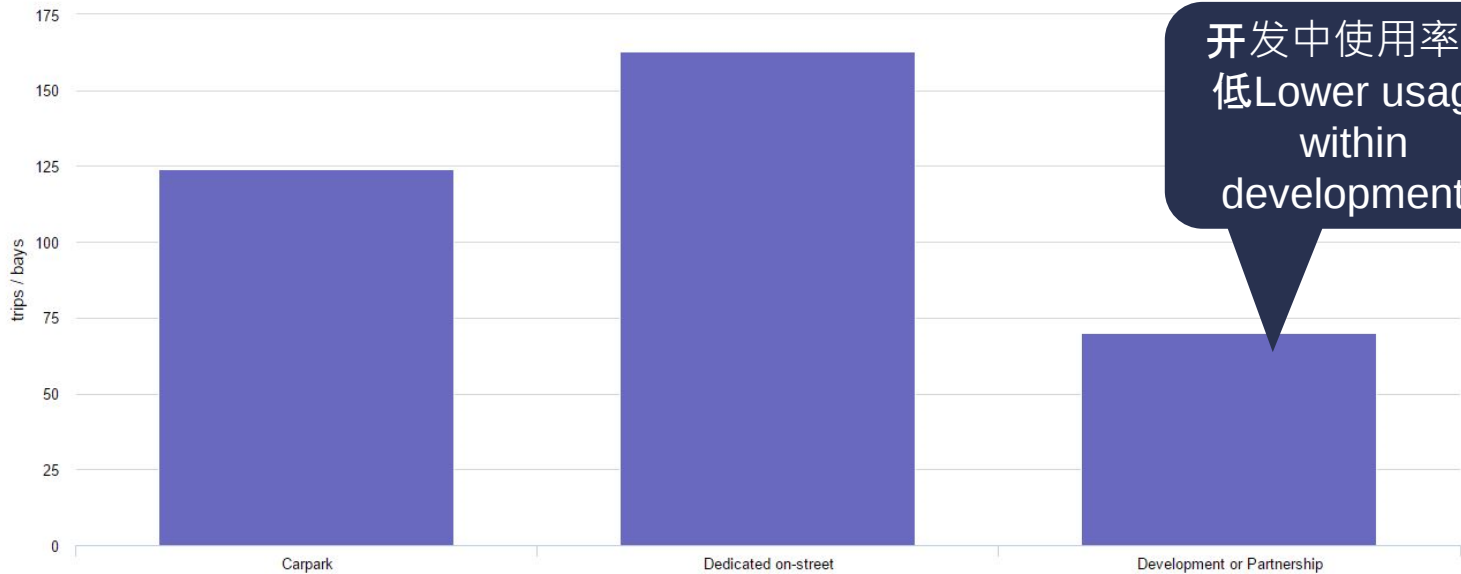


## Group By



Save Report

CAR SHARE TRIPS PER BAY BY TYPE



开发中使用率较低  
Lower usage  
within  
developments

NUMBER OF BOOKINGS / NUMBER OF BAYS (TRIPS / BAYS)

Custom Groupings

Download CSV

## Label - Pod Type

2015-16

Dedicated on-street

162.79

Carpark

123.86

Development or Partnership

69.9



# 表现评估 Performance

监测+操作界面

Monitoring + Dashboards

# Better Building Partnership



## BETTER BUILDING PARTNERSHIP EMISSIONS PER M2 (2015/16)

2015-16

Append

Auto-Centre ☐ Lock Map

## FILTERS

Reset

## DATA TYPES

5 selected

INTENSITY  
METRIC

1 selected

## PERIODS

12 selected

## AREAS

29 selected

## SECTORS

140 selected

## LABELS

Not filtered

## OPTIONS

## View Type



## Group By

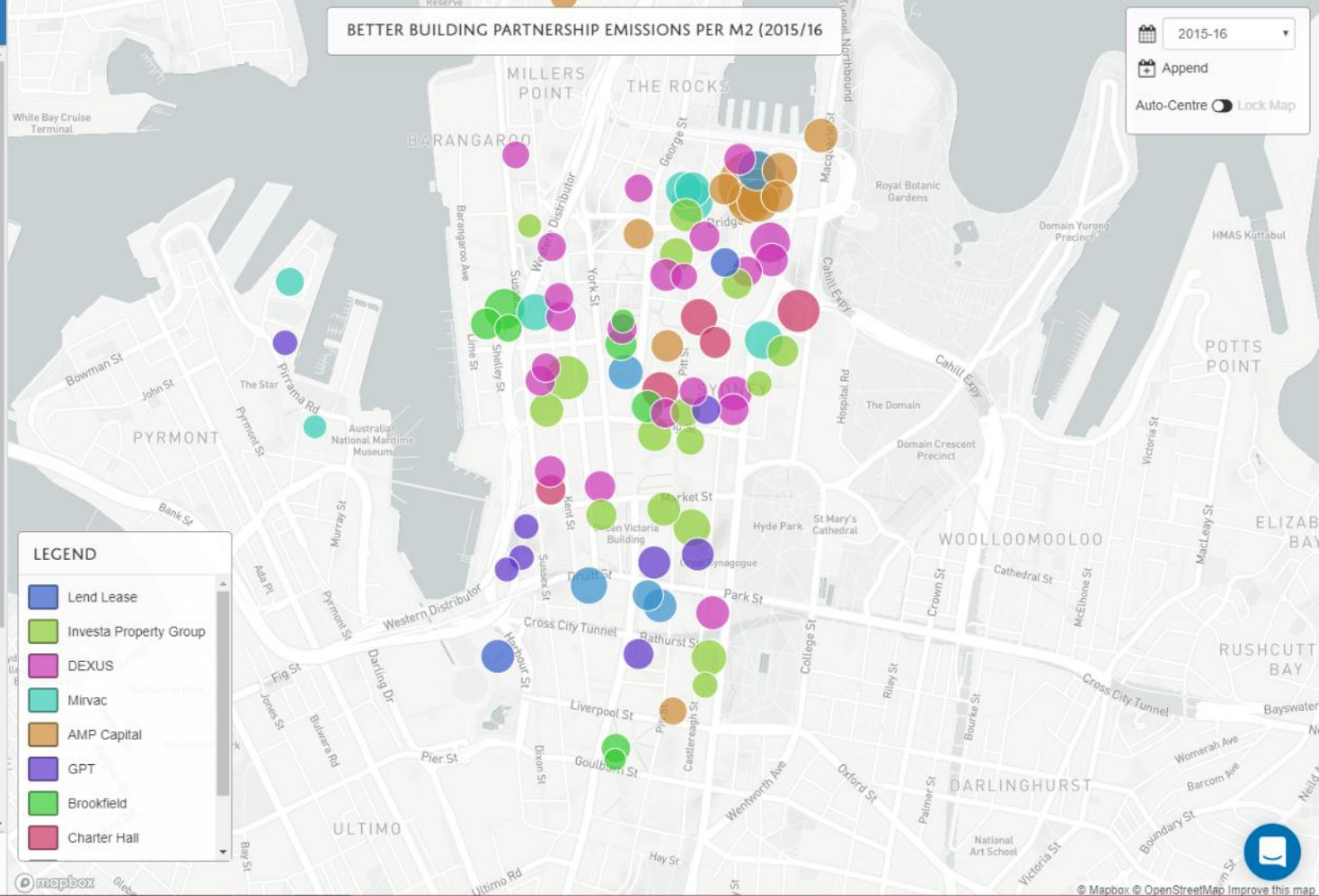
Area - Point

## Second Group By

Save Report

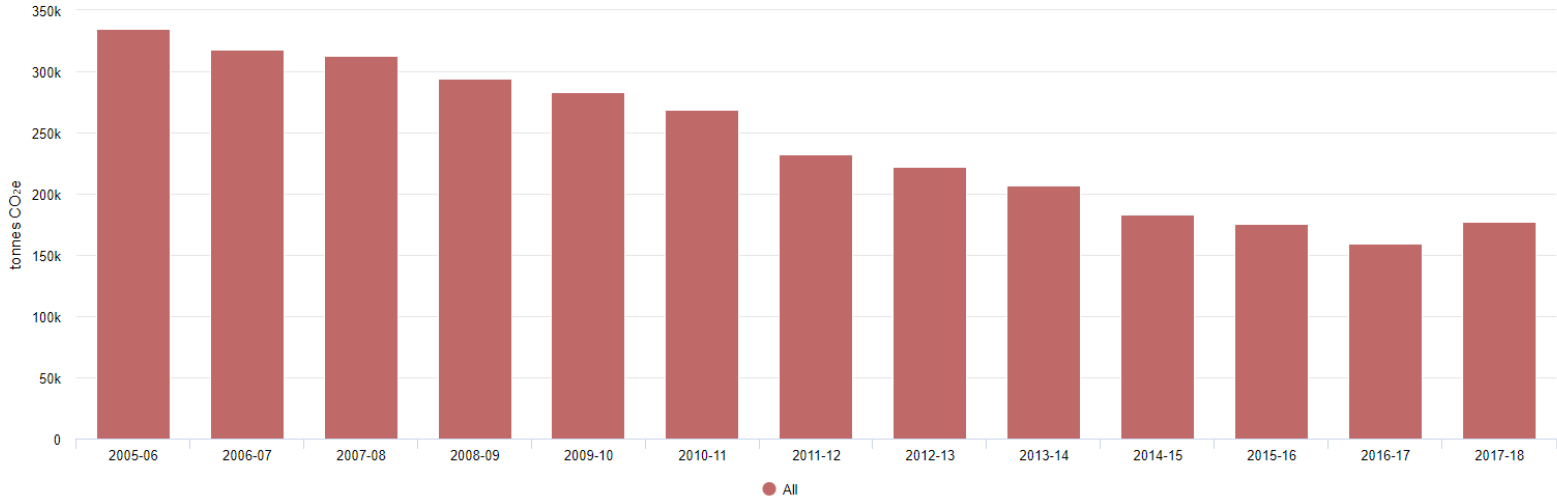
## LEGEND

- Lend Lease
- Investa Property Group
- DEXUS
- Mirvac
- AMP Capital
- GPT
- Brookfield
- Charter Hall



BBP EMISSIONS

SCOPES (1 + 2)



BBP members' reported emissions.

Reductions in emissions are achieved through energy efficiency initiatives, onsite energy generation, offsite renewables and carbon offsets.

Change

2017-18  
**11.2%** ▲  
from 2016-17

Emissions

2017-18

**177.44K**

tonnes CO<sub>2</sub>e

Water

2017-18

**2.2M**

kL

Waste

2017-18

**18.05K**

tonnes

Buildings

2017-18

**101**

buildings

NLA

2017-18

**3.01M**

m<sup>2</sup>

Emissions Intensity

2017-18

**0.06**

tonnes CO<sub>2</sub>e / m<sup>2</sup>

Energy Intensity

2017-18

**338.14**

MJ / m<sup>2</sup>

Water Intensity

2017-18

**0.0**

kL / m<sup>2</sup>





城市数据生态系统

Urban Data Ecosystem

公+私

Public + Private

# 城市数据生态系统

## Urban Data Ecosystem



### 语境Context

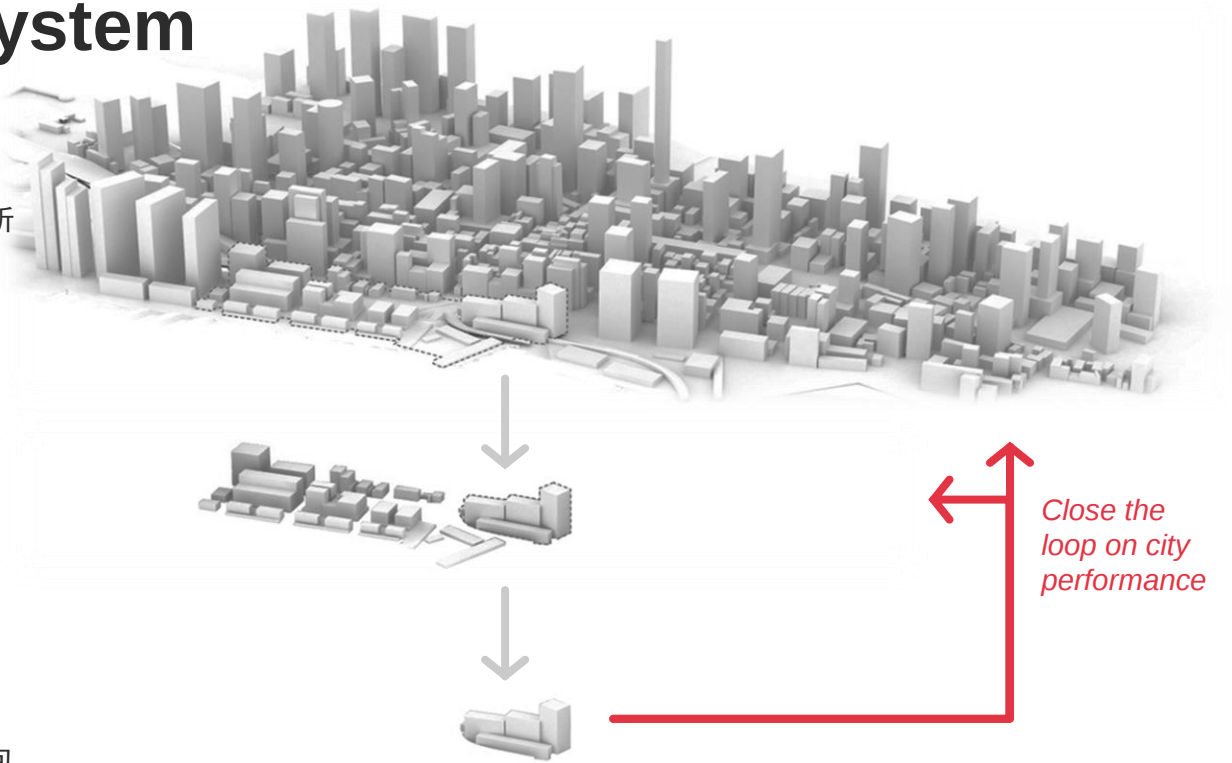
对本地、大都市数据集进行上下文分析  
Contextualise and analyse  
local/metropolitan datasets

### 情景Scenarios

分析和预测项目和政策的执行情况。  
Analyse and predicted the  
performance of projects & policies.

### 性能 Performance

跟踪、监控和报告城市和项目性能，包括实时数据  
Track, monitor & report city & program  
performance, including real-time data



REPORTS

EXPLORE

## SELECTIONS

## DATA TYPES

3 selected

INTENSITY  
METRIC

1 selected

## PERIODS

1 year

## AREAS

All selected

## SECTORS

3/8 selected

## LABELS

Not filtered

## OPTIONS

View Type



Primary Group By

Area - SA1 x Trav

+ New

Save

## EMISSIONS PER DWELLING



2015-16



Fixed

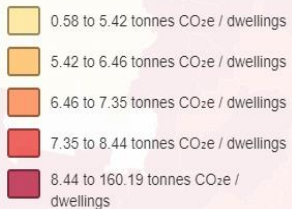
[Show options](#)Auto-Centre ☐ Lock MapBlue Mountains  
National ParkKoolberrag Chase  
National ParkGungahlin  
National ParkDefence  
Establishment  
Orchard Hills

Sydney

RWU

SYD

## LEGEND



城市 Cities

## SELECTIONS

## DATA TYPES

1 selected

## INTENSITY

METRIC

Disabled

## PERIODS

13 years

## AREAS

All selected

## SECTORS

All selected

## LABELS

Not filtered

## OPTIONS

## View Type



## Primary Group By

Area - Point

+ New

Save

## LEGEND

- DEXUS
- Lend Lease
- Investa Property Group
- Mirvac
- AMP Capital
- Stockland
- GPT
- Brookfield

## BBP BUILDINGS

2017-18

Append

Auto-Centre Lock Map

资产所有者 Asset Owners

城市 Cities

Central Park Retail Centre  
FCT, NSW

+ ADD NEW ASSET

## CENTRAL PARK RETAIL CENTRE

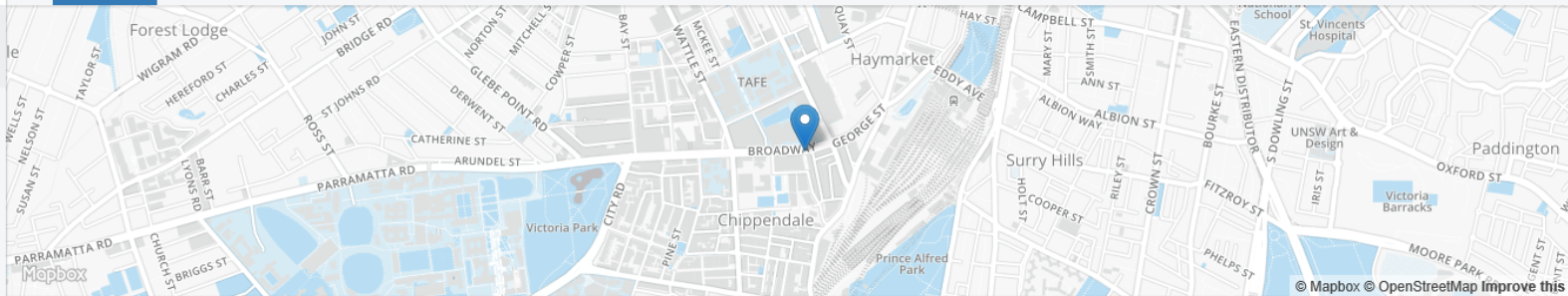
28 Broadway, Chippendale NSW 2008 - FCT - NSW

SUMMARY

DETAILS

SURVEYS

SUSTAINABILITY



## KEY PERFORMANCE INDICATORS



## GREEN STAR RATINGS

## GREEN STAR - DESIGN &amp; AS BUILT

68 Points Score

5 STARS

Australian Excellence

## CARBON

## GREENHOUSE INTENSITY

September 30, 2016

24.15

kg CO<sub>2</sub>e/m<sup>2</sup>

## ENERGY

## ELECTRICITY INTENSITY

September 30, 2016

35.9

kWh/m<sup>2</sup>

## ENERGY INTENSITY

September 30, 2016

## ENVIRONMENTAL PERFORMANCE

GHG

ENERGY

ELECTRICITY

WATER

SOLAR GENERATION

SUBMETERS

开发者 Developers

资产所有者 Asset Owners

城市 Cities

## SELECTIONS

## DATA TYPES

1 selected

INTENSITY  
METRIC

None selected

## PERIODS

5 years

## AREAS

All selected

## SECTORS

All selected

## LABELS

Not filtered

## OPTIONS

## View Type



## Primary Group By

Area - Point

+ New

Save

## LEGEND

Dedicated on-street

Development or Partnership

Floating on-street

Carpark

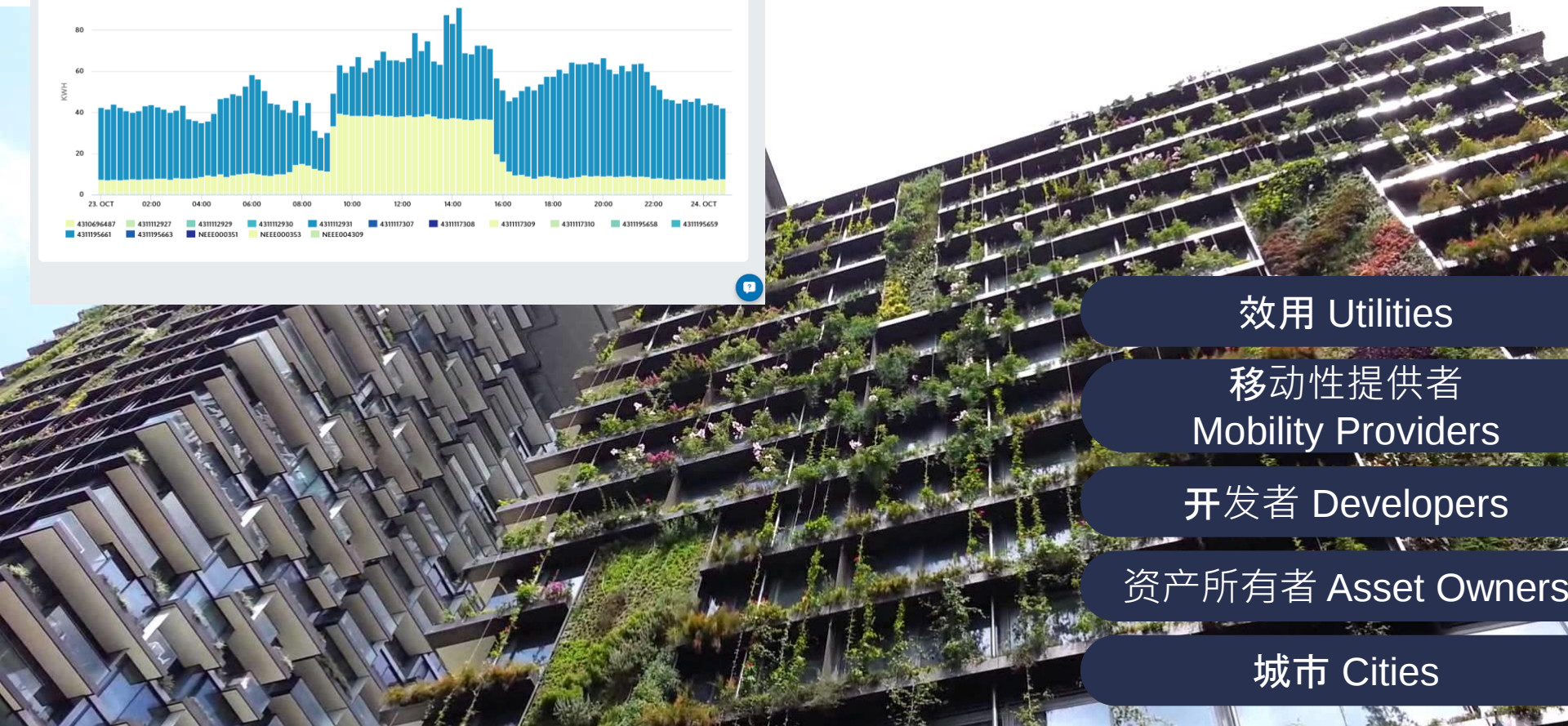
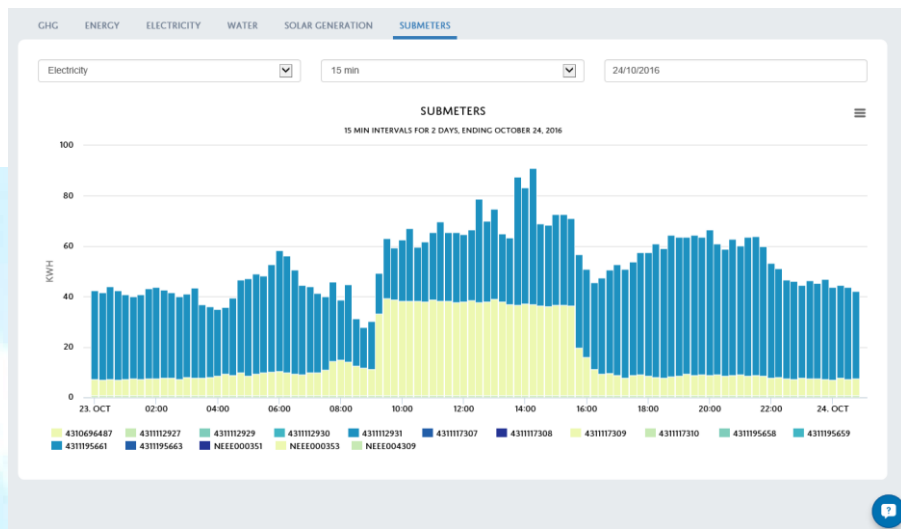
移动性提供者

Mobility Providers

开发者 Developers

资产所有者 Asset Owners

城市 Cities



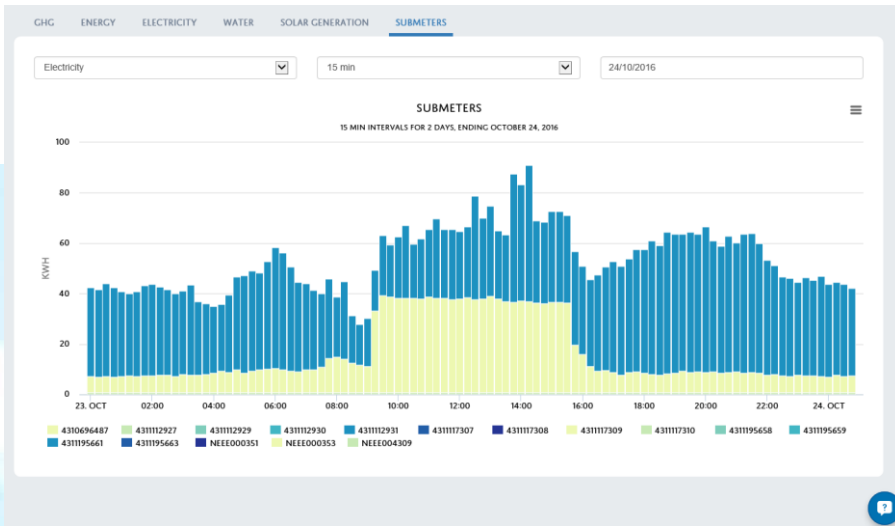
效用 Utilities

移动性提供者  
Mobility Providers

开发者 Developers

资产所有者 Asset Owners

城市 Cities



## 数据生态系统 Data Ecosystem

效用 Utilities

移动性提供者  
Mobility Providers

开发者 Developers

资产所有者 Asset Owners

城市 Cities

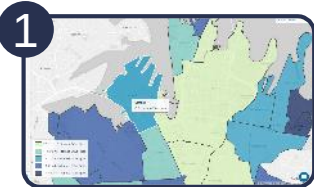


一个提供给非政府组织、政府和投资者的平台

**A Platform For NGOs,  
Governments & Investors**

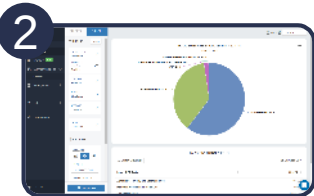
# Kinesis 平台+C40伙伴关系

## Kinesis Platform + C40 Partnership



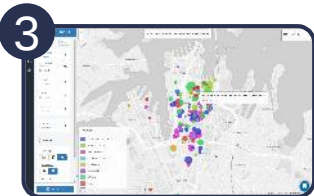
### 数据管理Data Management

- 唯一的真实数据源Single source of truth
- 数据转换Data transformations



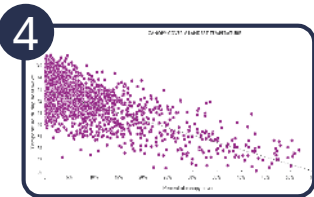
### 报告Reporting

- 自动GPC报告Automated GPC reports
- 性能跟踪Performance tracking



### 项目Programs

- C40项目C40 Programs
- 会员城市项目Member city programmes



### 分析 Analytics

- 比较标杆管理Comparative benchmarking
- 相关分析Correlation analysis

### C40全球操作界面 C40 Global Dashboard



- 方案影响Measure Impact
- 会员城市参与Member City Engagement
- 方案管理, 如截止日期 2020  
Programme Management  
e.g. Deadline 2020



### 个别城市观测版Individual City Dashboards



- 简化报告Simplified Reporting
- 方案管理Programme Management
- 政策和治理Policy & Governance



## C40全球操作界面 C40 Global Dashboard



**C40全球操作界面**  
**C40 Global Dashboard**

**成员城市操作界面**  
**Member City Dashboards**



## C40全球操作界面 C40 Global Dashboard

## 成员城市操作界面 Member City Dashboards



1<sup>st</sup> order - GPC + Program Reporting



2nd order - Disaggregation of Data



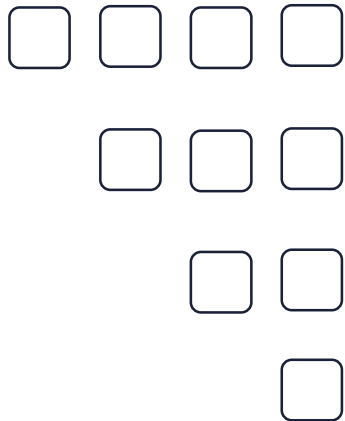
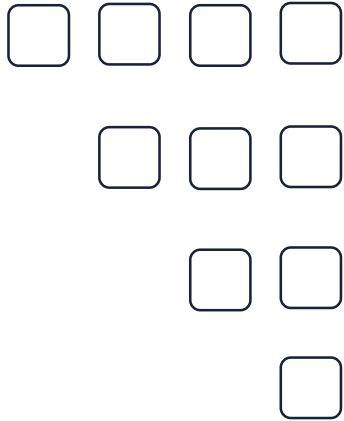
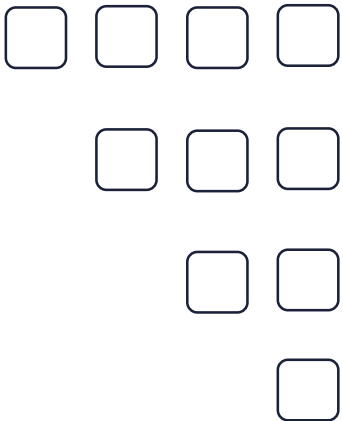
3rd order - Program Tracking Data



4th order - Live Data



## C40 Global Dashboard



## 成员城市操作界面Member City Dashboards

第一代 - GPC + 项目报告

1<sup>st</sup> order - GPC + Program Reporting

第二代 - GPC + 数据分解

2nd order - Disaggregation of Data

第三代 - GPC + 程序跟踪数据

3rd order - Program Tracking Data

第四代 - GPC + 在线数据

4th order - Live Data



## C40全球操作界面 C40 Global Dashboard

## 成员城市操作界面 Member City Dashboards

第一代 - GPC + 项目报告

1<sup>st</sup> order - GPC + Program Reporting

第二代 - GPC + 数据分解

2nd order - Disaggregation of Data

第三代 - GPC + 程序跟踪数据

3rd order - Program Tracking Data

第四代 - GPC + 在线数据

4th order - Live Data

# 操作界面

## DASHBOARDS



C40 Cities



Deadline 2020



Buenos Aires Ciudad



Ciudad de Mexico



City of Sydney

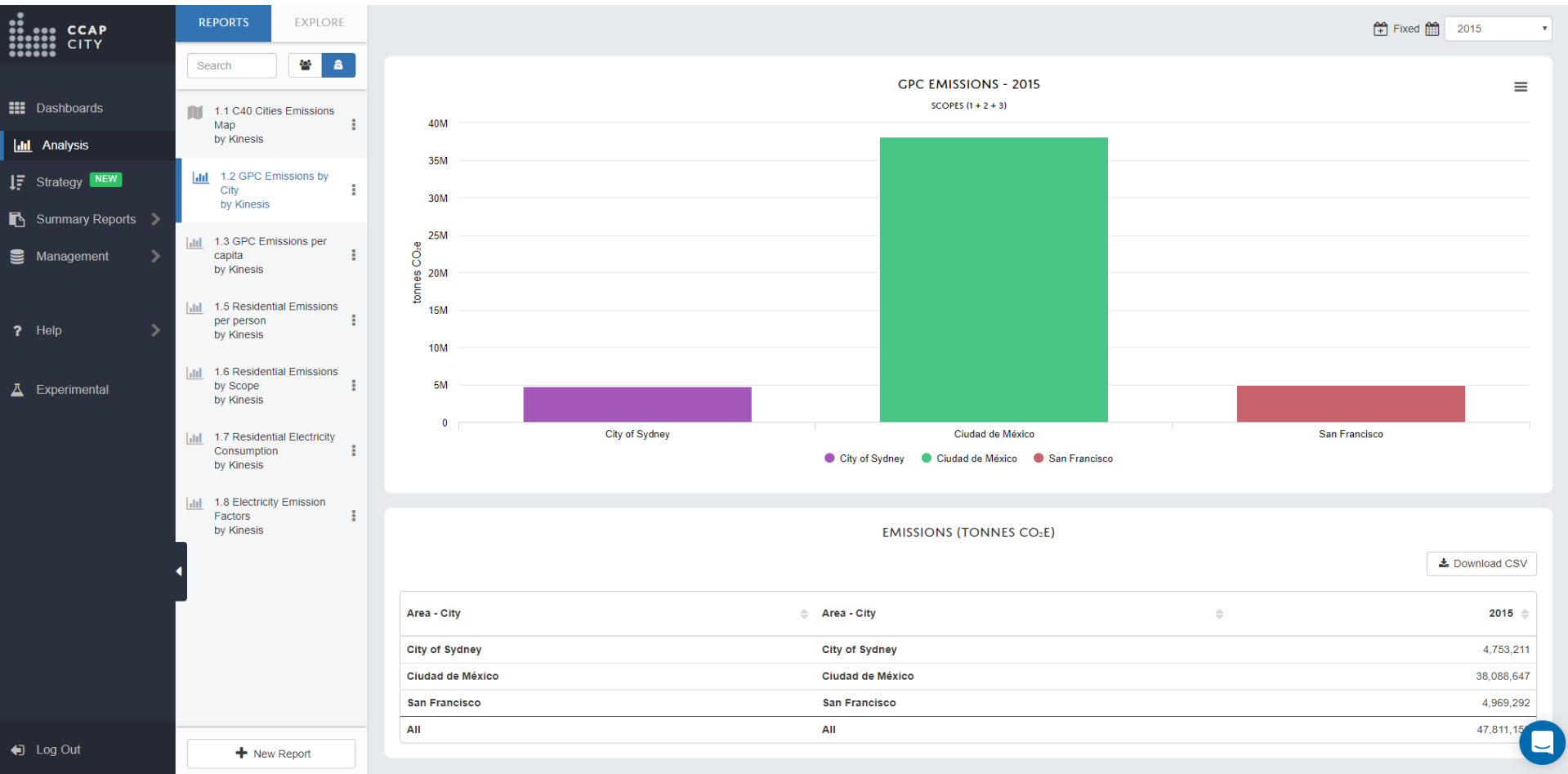


San Francisco



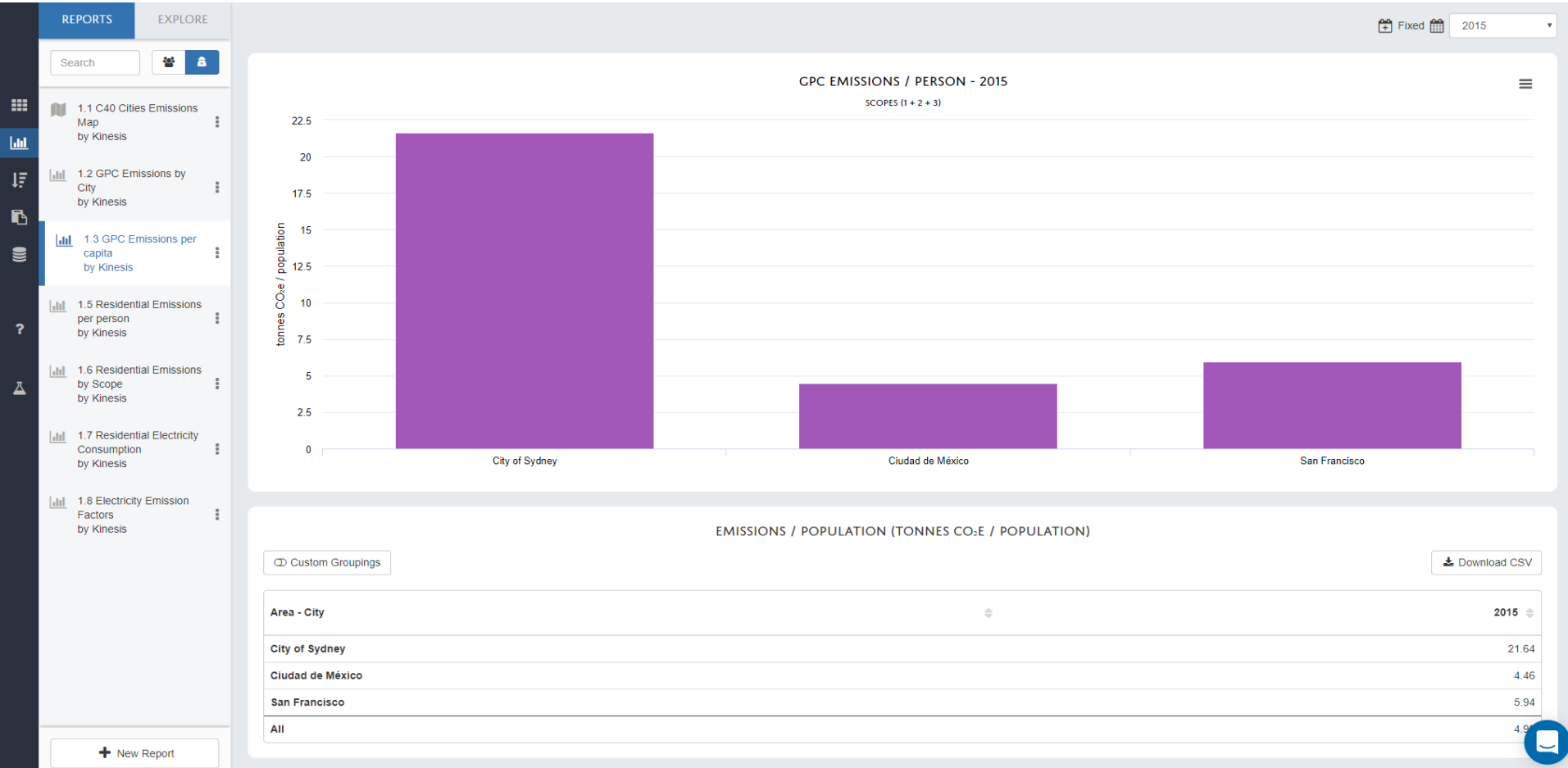
# 参与对比的城市

## Comparing Cities



# 参与对比的城市

## Comparing Cities



# 参与对比的城市

## Comparing Cities

CCAP  
CITY

Search

Dashboards

Analysis

Strategy NEW

Summary Reports

Management

Help

Experimental

REPORTS

EXPLORE

1.1 C40 Cities Emissions Map by Kinesis

1.2 GPC Emissions by City by Kinesis

1.3 GPC Emissions per capita by Kinesis

1.4 Emissions per Person by Small Area by Kinesis

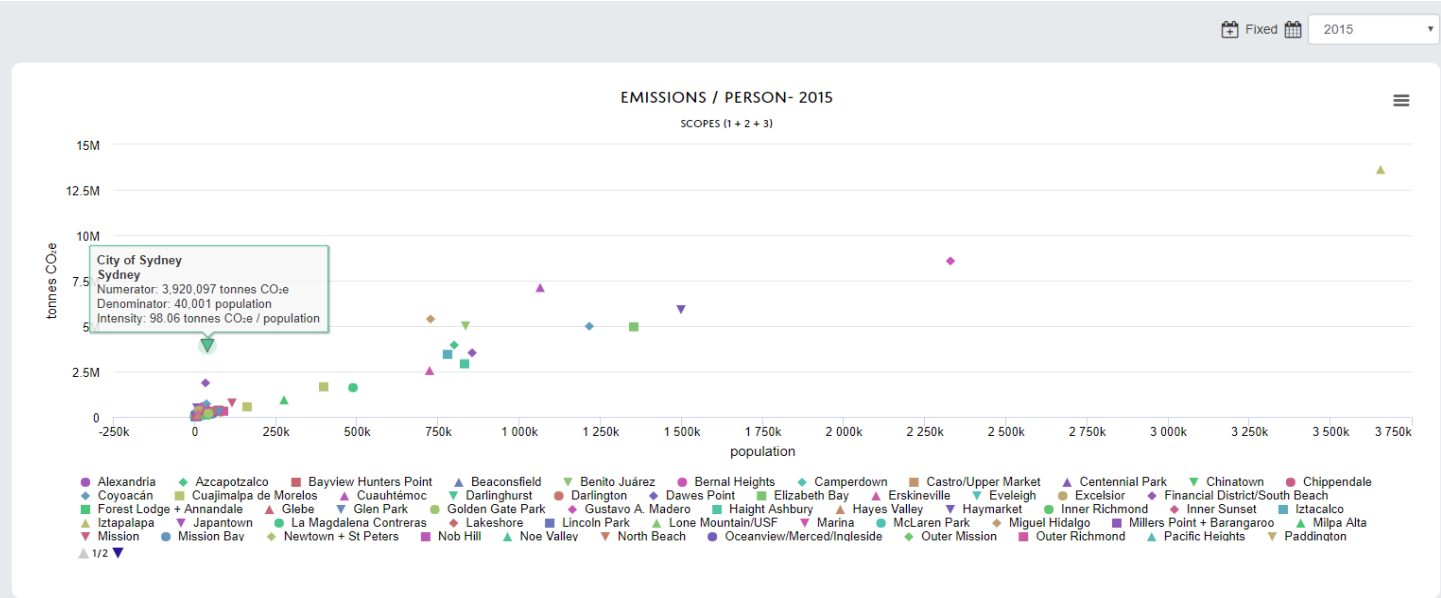
1.5 Residential Emissions per person by Kinesis

1.6 Residential Emissions by Scope by Kinesis

1.7 Residential Electricity Consumption by Kinesis

1.8 Electricity Emission Factors by Kinesis

New Report



EMISSIONS / POPULATION (TONNES CO<sub>2</sub>E / POPULATION)

Download CSV

| Area - City    | Area - Small area | 2015  |
|----------------|-------------------|-------|
| City of Sydney | Alexandria        | 25.10 |
| City of Sydney | Beaconsfield      | 8.91  |
| City of Sydney | Camperdown        | 27.36 |
| City of Sydney | Centennial Park   | 4.3   |
| City of Sydney | Chippendale       | 12.7  |

# 参与对比的城市

## Comparing Cities

REPORTSEXPLORE

Search

1.1 C40 Cities Emissions Map by Kinesis

1.2 GPC Emissions by City by Kinesis

1.3 GPC Emissions per capita by Kinesis

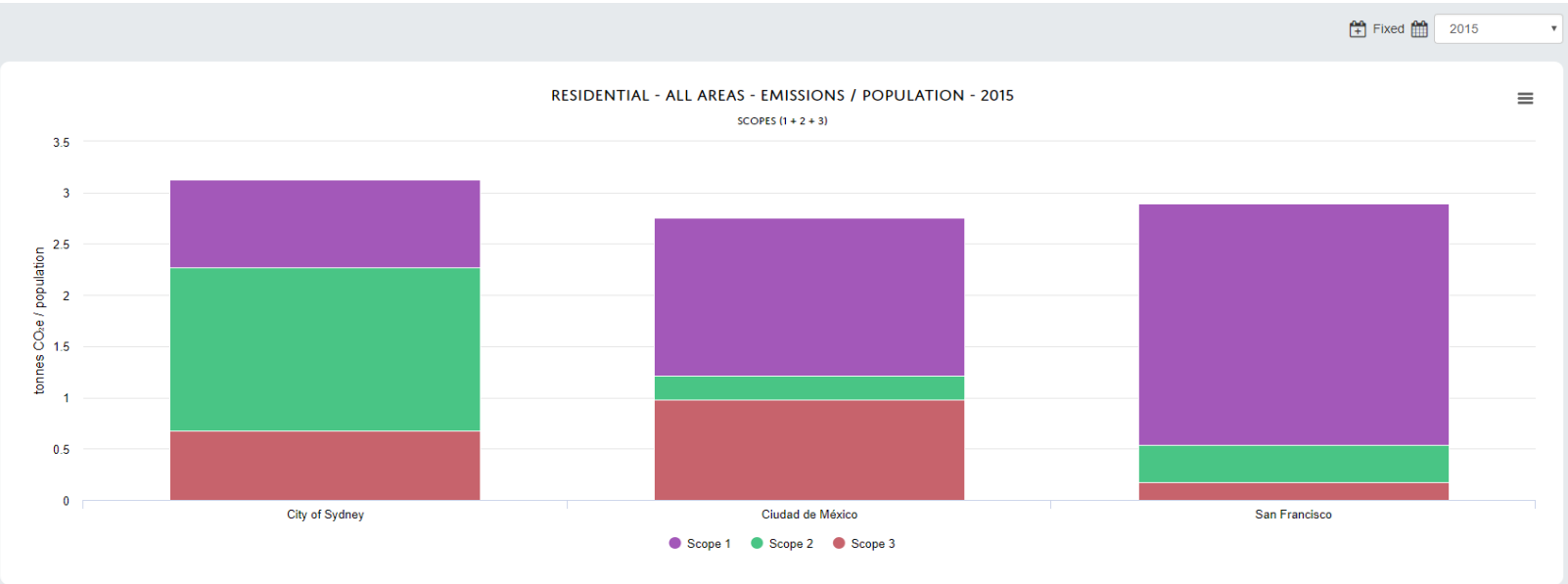
1.5 Residential Emissions per person by Kinesis

1.6 Residential Emissions by Scope by Kinesis

1.7 Residential Electricity Consumption by Kinesis

1.8 Electricity Emission Factors by Kinesis

+ New Report



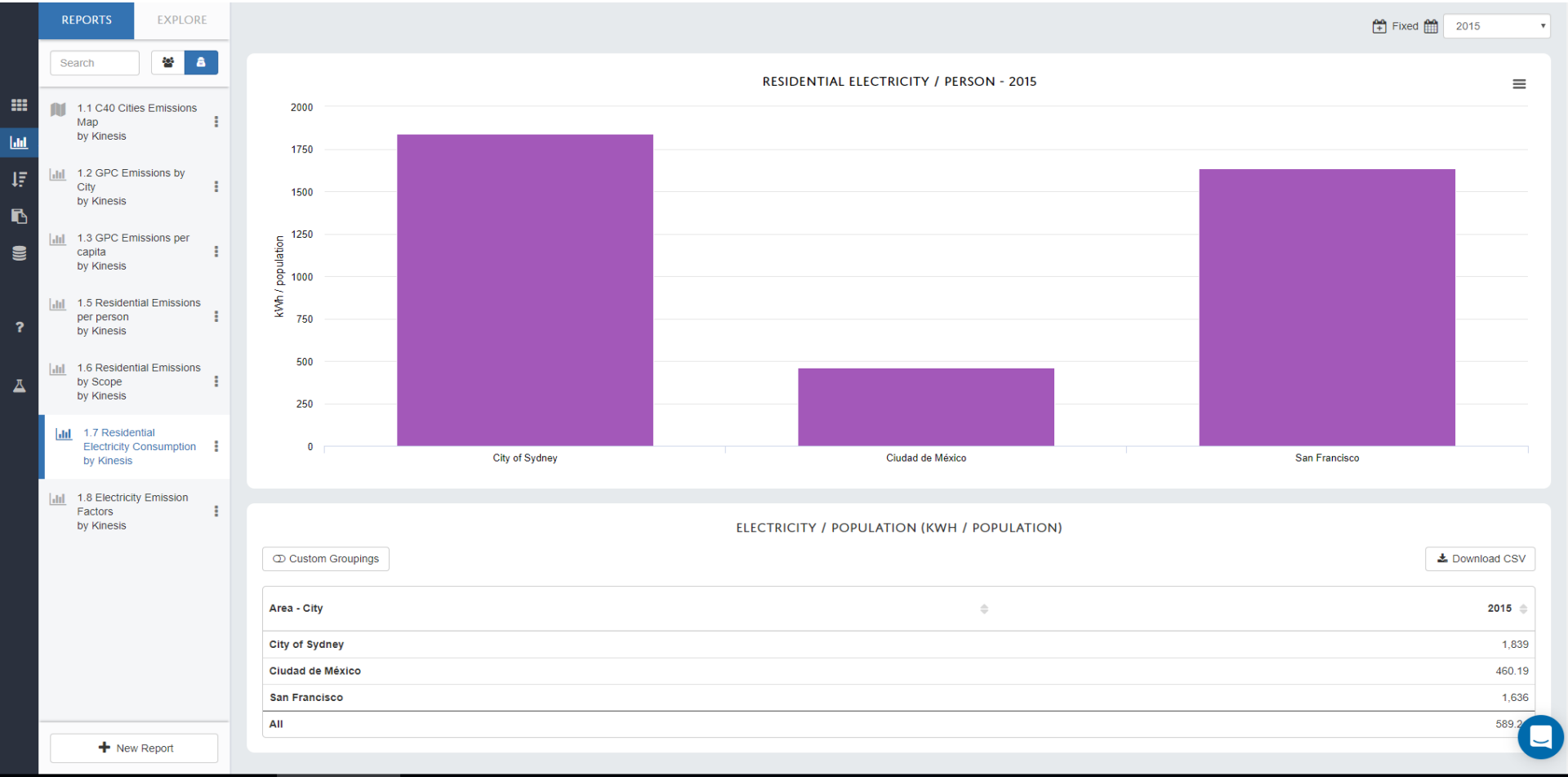
EMISSIONS / POPULATION (TONNES CO<sub>2</sub>E / POPULATION)

Download CSV

| Area - City      | Emission Scope | 2015 |
|------------------|----------------|------|
| City of Sydney   | Scope 1        | 0.86 |
| City of Sydney   | Scope 2        | 1.60 |
| City of Sydney   | Scope 3        | 0.67 |
| Ciudad de México | Scope 1        | 1.55 |
| Ciudad de México | Scope 2        | 0.20 |

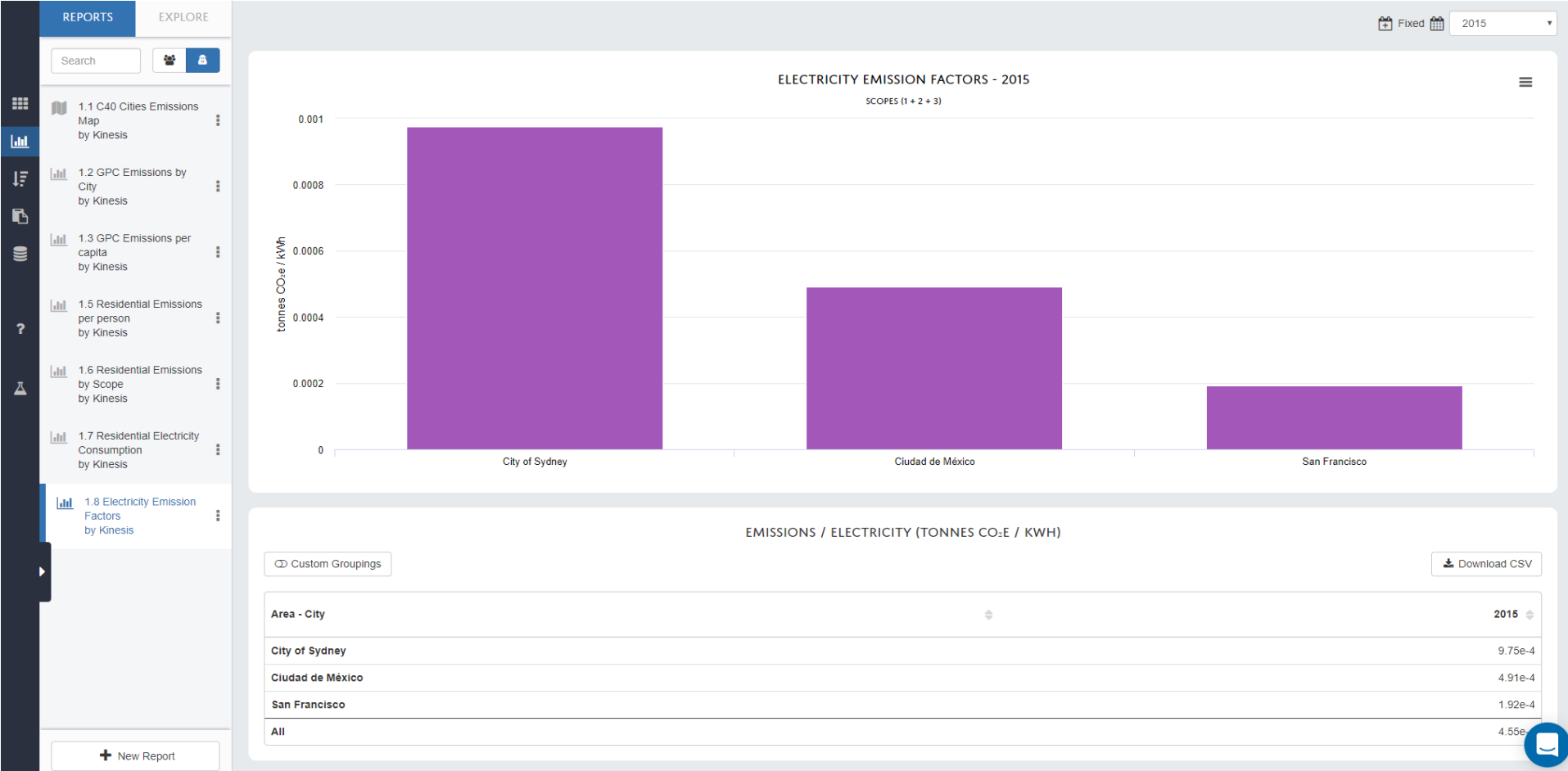
# 参与对比的城市

## Comparing Cities



# 参与对比的城市

## Comparing Cities



# 操作界面

## DASHBOARDS



GPC

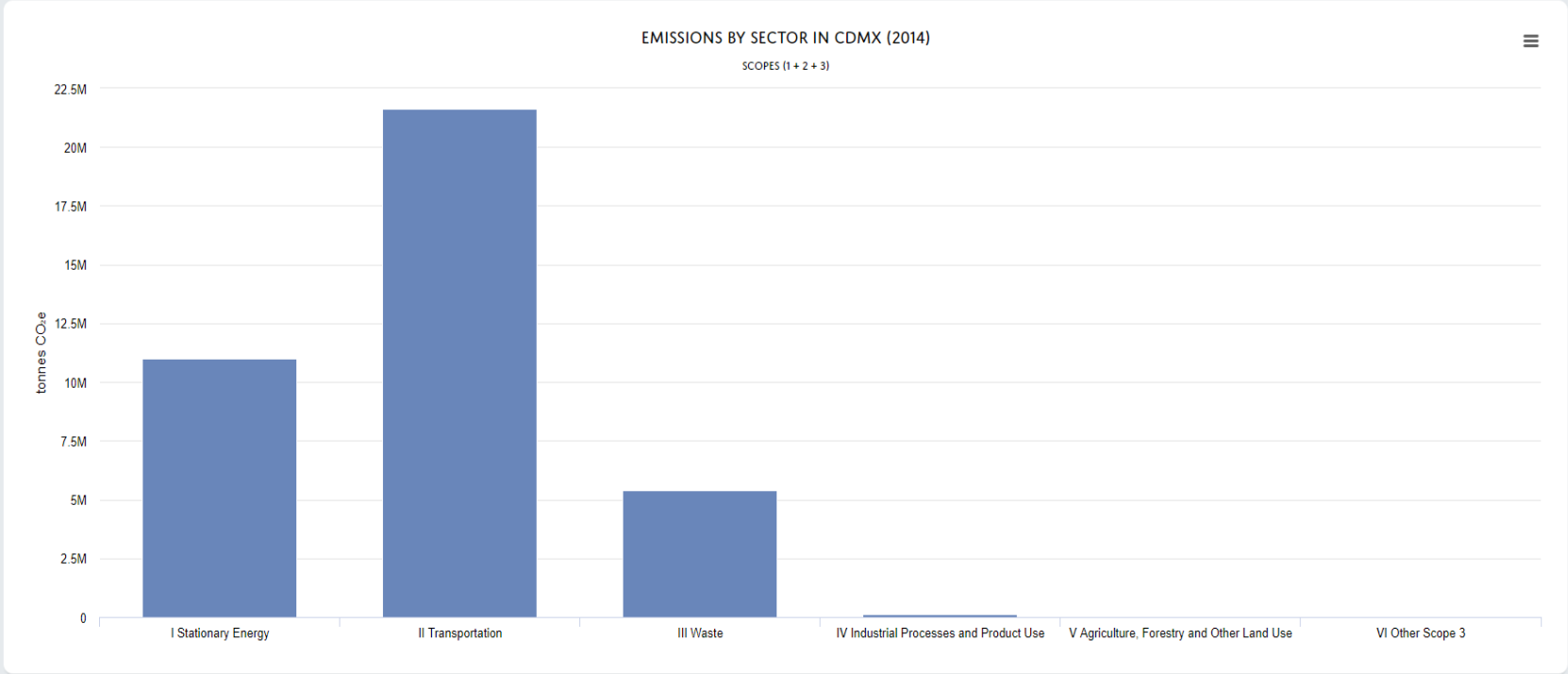


Deadline 2020



Air Quality





Emissions by Sector

2014

38.19M

tonnes CO<sub>2</sub>e

Emissions by Scope

2014

38.19M

tonnes CO<sub>2</sub>e

Emissions by Sub-sector

2014

38.19M

tonnes CO<sub>2</sub>e

Total Emissions Map

2014

38.19M

tonnes CO<sub>2</sub>e

Residential Emissions Map

2014

2.78

tonnes CO<sub>2</sub>e / population

Land Area by Type

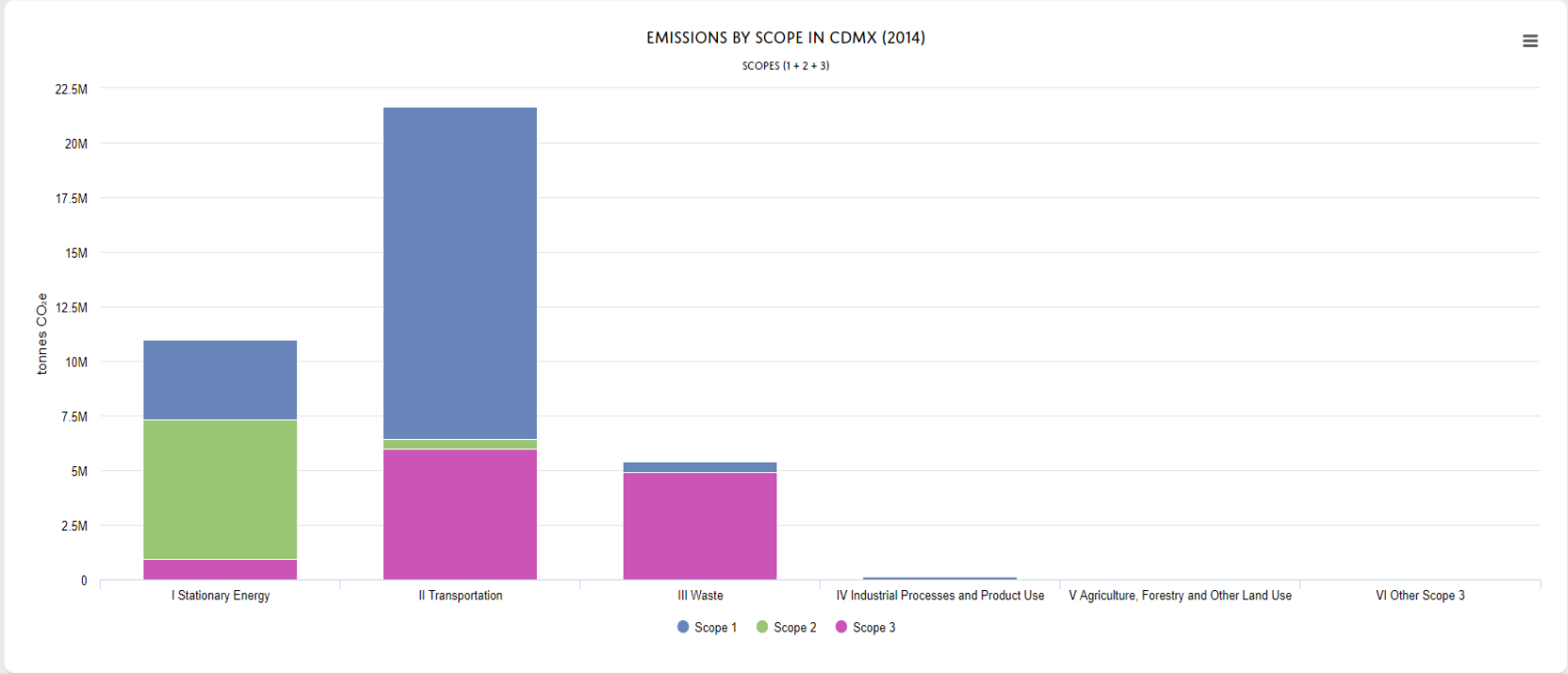
2014

1.48K

km<sup>2</sup>

+





Emissions by Sector

2014

38.19M

tonnes CO<sub>2</sub>e

Emissions by Scope

2014

38.19M

tonnes CO<sub>2</sub>e

Emissions by Sub-sector

2014

38.19M

tonnes CO<sub>2</sub>e

Total Emissions Map

2014

38.19M

tonnes CO<sub>2</sub>e

Residential Emissions Map

2014

2.78

tonnes CO<sub>2</sub>e / population

Land Area by Type

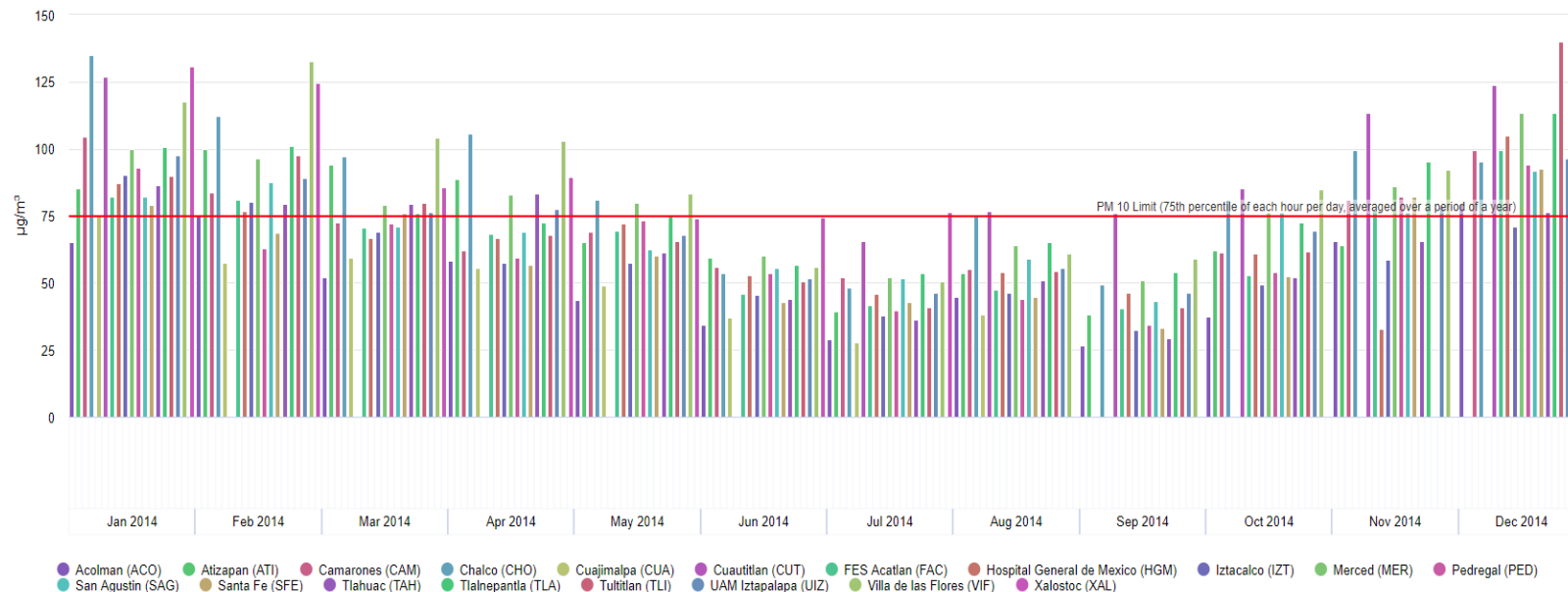
2014

1.48K

km<sup>2</sup>



MONTHLY MAXIMUM OF DAILY AVERAGE PM10 CONCENTRATIONS AROUND ZMVM



Change

Dec 2014

29.7% ▲

from Nov 2014

CO Map

Dec 2014

3.47K

pphm

CO

Dec 2014

3.47K

pphm

PM10

Dec 2014

1.62K

µg/m³

NO2

Dec 2014

2.28K

ppb

Ozone

Dec 2014

2.64K

ppb

CO per Job

2014

0.11

tonnes / jobs



## FILTERS

Reset

## DATA TYPES

12 selected

## INTENSITY METRIC

Disabled

## PERIODS

2 selected

## AREAS

75 selected

## SECTORS

24 selected

## LABELS

Not filtered

## OPTIONS

View Type



Primary Group By

Label - Vehicles - I

Secondary Group By

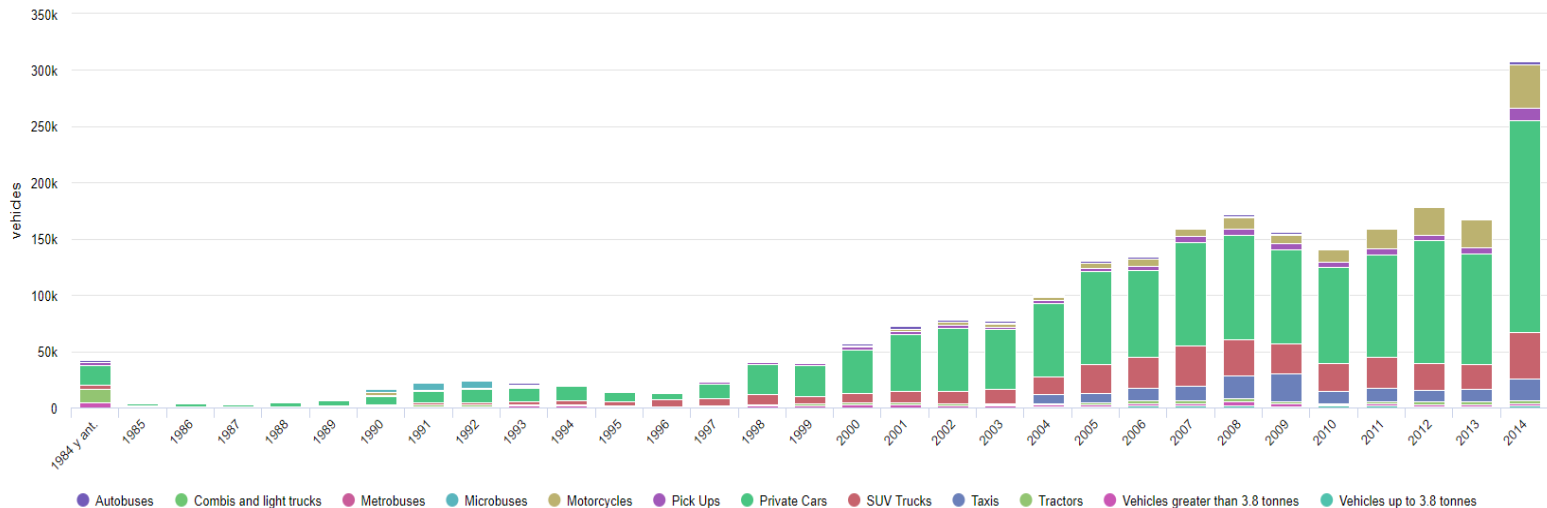
Data Type

Other options

☐ Show data notes

Save Report

## YEAR OF MANUFACTURE OF VEHICLES IN 2014



## VEHICLES (VEHICLES)

Download CSV

| Label - Vehicles - Model Year | Data Type               | 2014   |
|-------------------------------|-------------------------|--------|
| 1984 y ant.                   | Autobuses               | 1,796  |
| 1984 y ant.                   | Combis and light trucks | 187.00 |
| 1984 y ant.                   | Microbuses              | 15.00  |
| 1984 y ant.                   | Pick Ups                | 2,28   |
| 1984 y ant.                   | Private Cars            | 17,56  |



Search



1 City Emissions  
Intensity  
by Kinesis



Canopy Cover  
(Percent)  
by Kinesis



Canopy Cover v  
Temperature  
by Kinesis



Car Share - Car  
Locations  
by Kinesis



Car Share - Number of  
Bays  
by Kinesis



Car Share - Pod Type  
Performance  
by Kinesis



Car Share - Trips  
Growth  
by Kinesis



Car Share - Trips per  
Bay  
by Kinesis



Car Share - Trips per  
Bay  
by Kinesis

+ New Report

## EMISSIONS BY LAND AREA - 2016



2016



Fixed

[Show options](#)Auto-Centre ☐ Lock Map

## LEGEND

