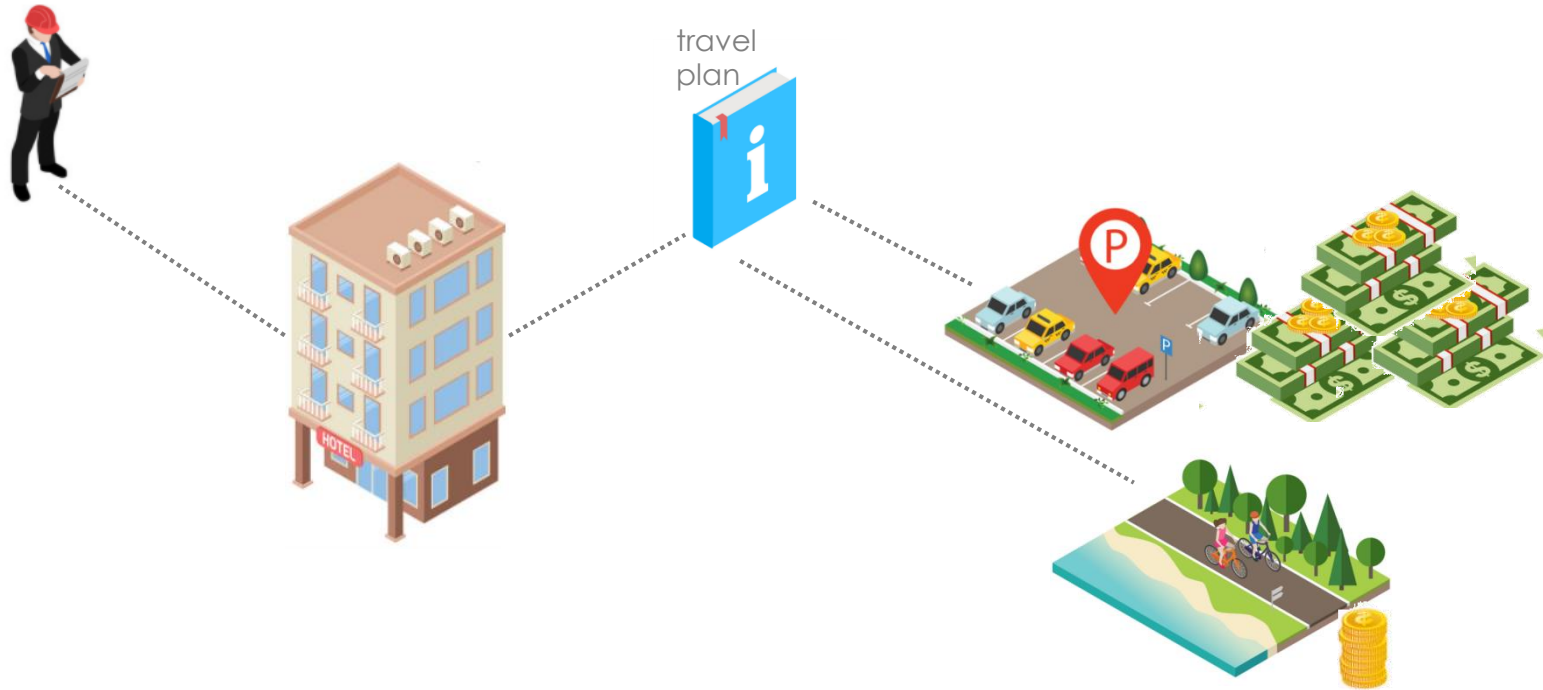


BeeHIVE

Active Travel Planning Impact Tool
for Urban Development



New developments impact on active travel is sub-optimal because Travel Plans come too late in the development design process



**TRANSPORT
FOR LONDON**
EVERY JOURNEY MATTERS

80%

active
transport

6 million

Vehicle km/day
reduction

20 min

Daily active- healthy
citizen

PROBLEM

The current information about built environment is **beyond influence** of the developer



Public
Transport

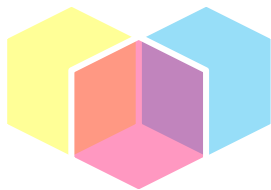
Safety



Green Area

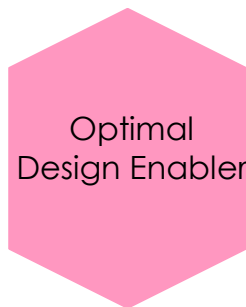
Services





beehive

We help stakeholders to assess
the impact of new
developments
on active travel and reduce
infrastructure cost



Actions

Bike Route



CCTV



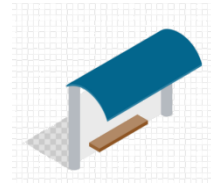
Active Travel Info



co-sharing



Rest Area



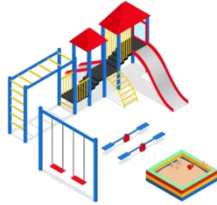
shower facilities



Tree



Child
Friendly



pedestrian



Disable Access



System overview

data



MAYOR OF LONDON

City Data



New Local London Plan



algorithm



Standardize

Sort



frontend
interface

Tombolo
Visual Map



Active travel
Index

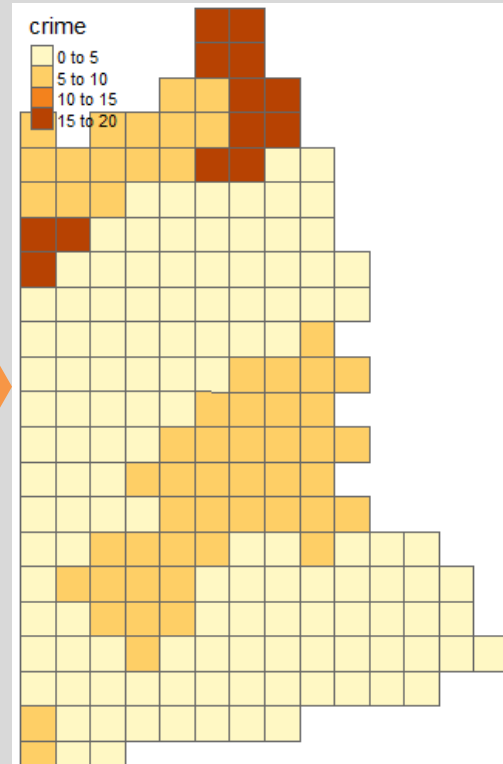
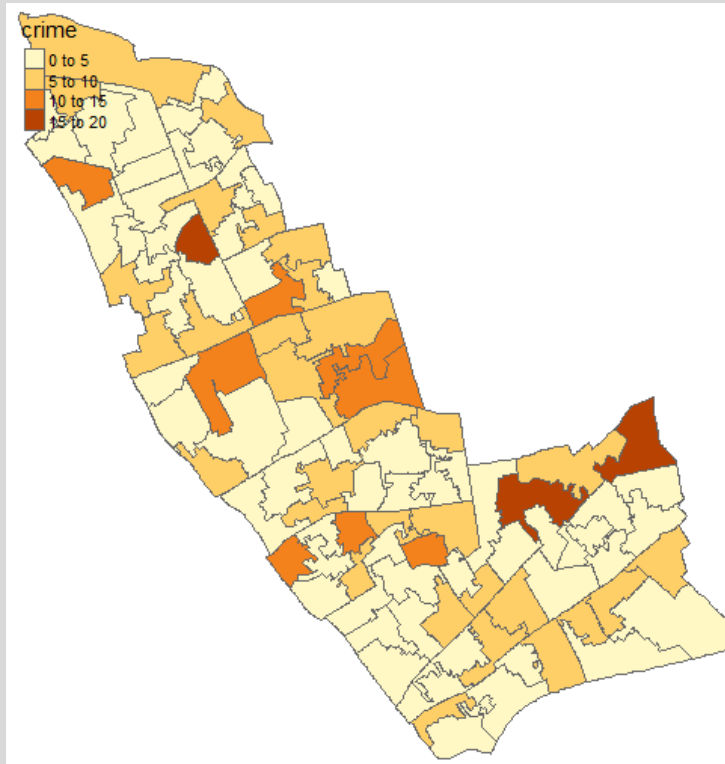


Challenge

Earls court



Algorithm : standardize



Choose Account:

Development 1 - Poor Plan ▼

Access Type

- ☒ Public Transport
- ☐ Schools
- ☐ Supermarkets
- ☐ Green Space
- ☐ Safety

Index



4

Public Transport Access Index



3

Schools Access Index



3

Supermarkets Access Index



3

Green Space Index



3

Safety Index



2

Active Travel Plan Index

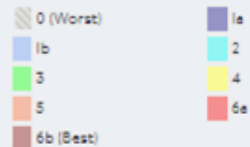


3

General Accessibility Index



General Accessibility Index



Choose Account:

Development 1 - Good Plan▼

Access Type

- ☒ Public Transport
- ☐ Schools
- ☐ Supermarkets
- ☐ Green Space
- ☐ Safety

Index

4

Public Transport Access Index

3

Schools Access Index

3

Supermarkets Access Index

3

Green Space Index

3

Safety Index

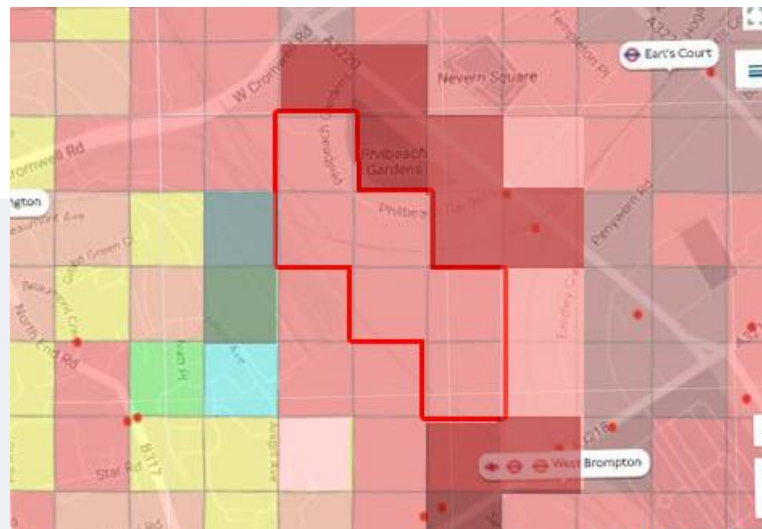
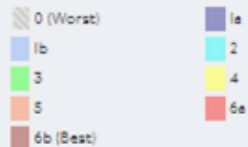
5

Active Travel Plan Index

4

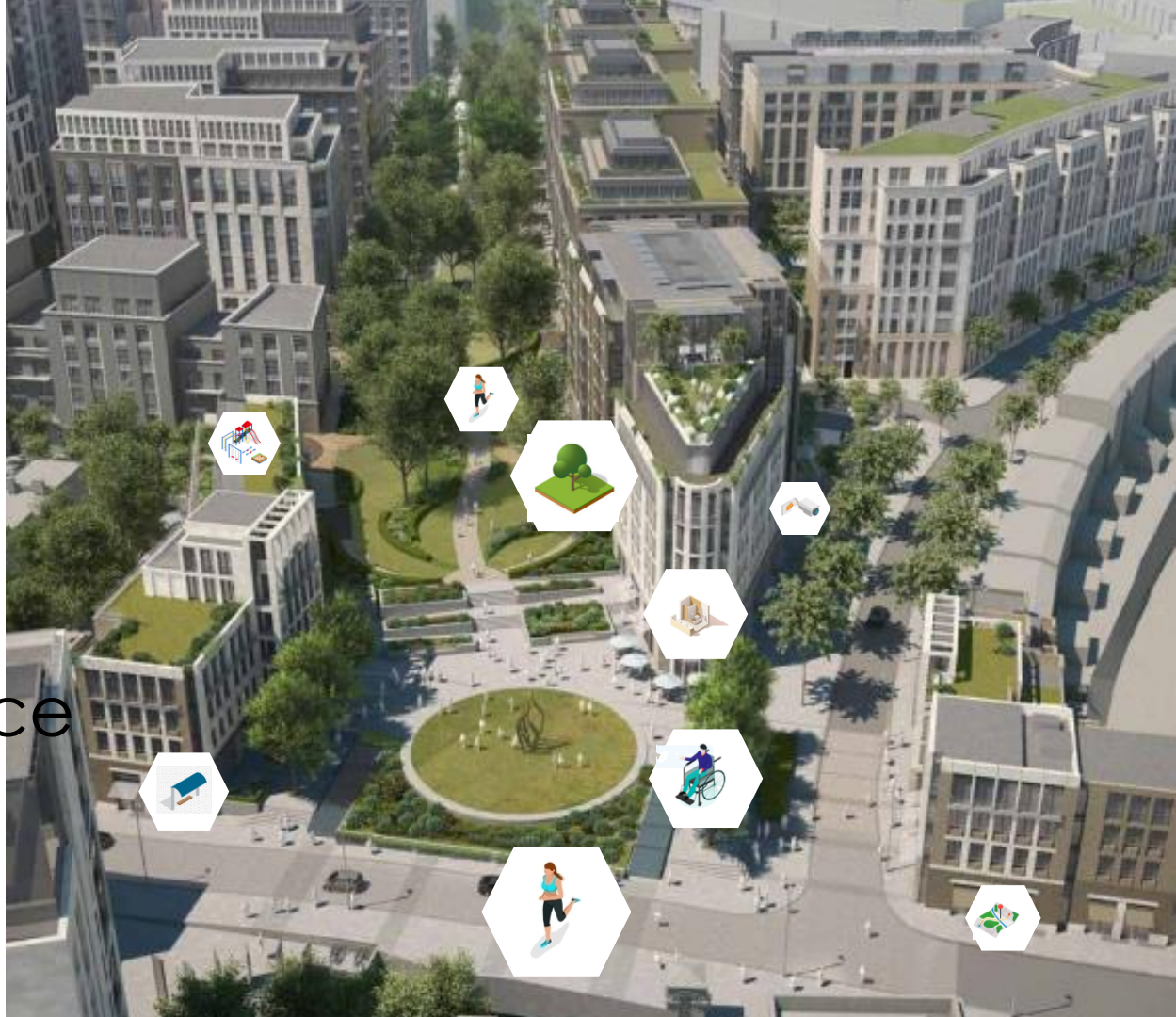
General Accessibility Index

General Accessibility Index

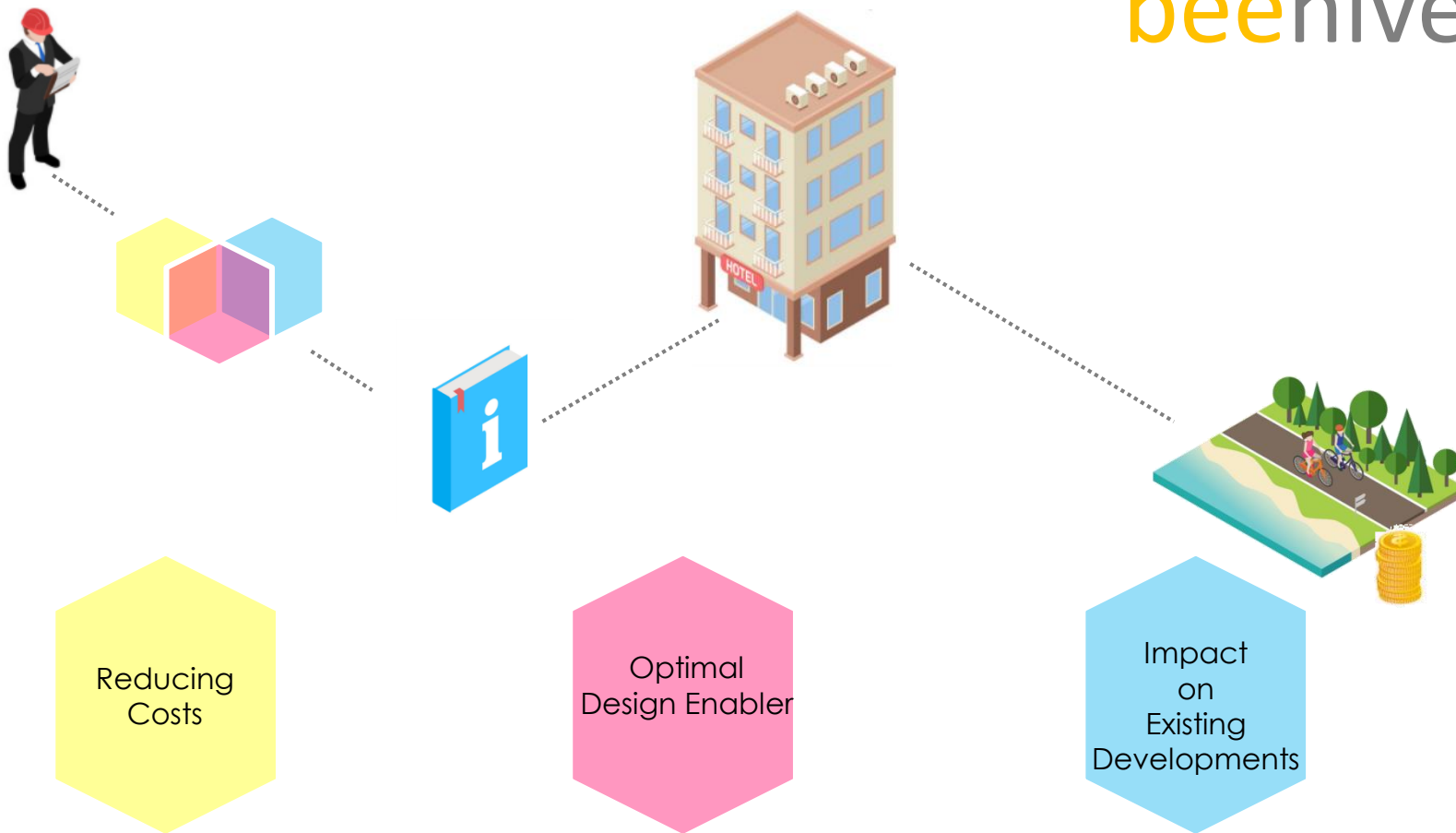




We enable
impactful design
and make a place
desirable



beehive



Next steps

Access to services
Balancing weights
Challenge parameters
Cost-benefit relationship