

How can technology help to support virtual participation?



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Planning Urban Design Architecture Innovation





AMSTERDAM

Session Line-up



1. Instant Polling
2. Virtual and Digital Tools Presentation
3. Q+A



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“Technology is
the answer.
**But what was
the question?”**

Cedric Price, 1965

DIA



COMMUNITY ENGAGEMENT & PARTICIPATION

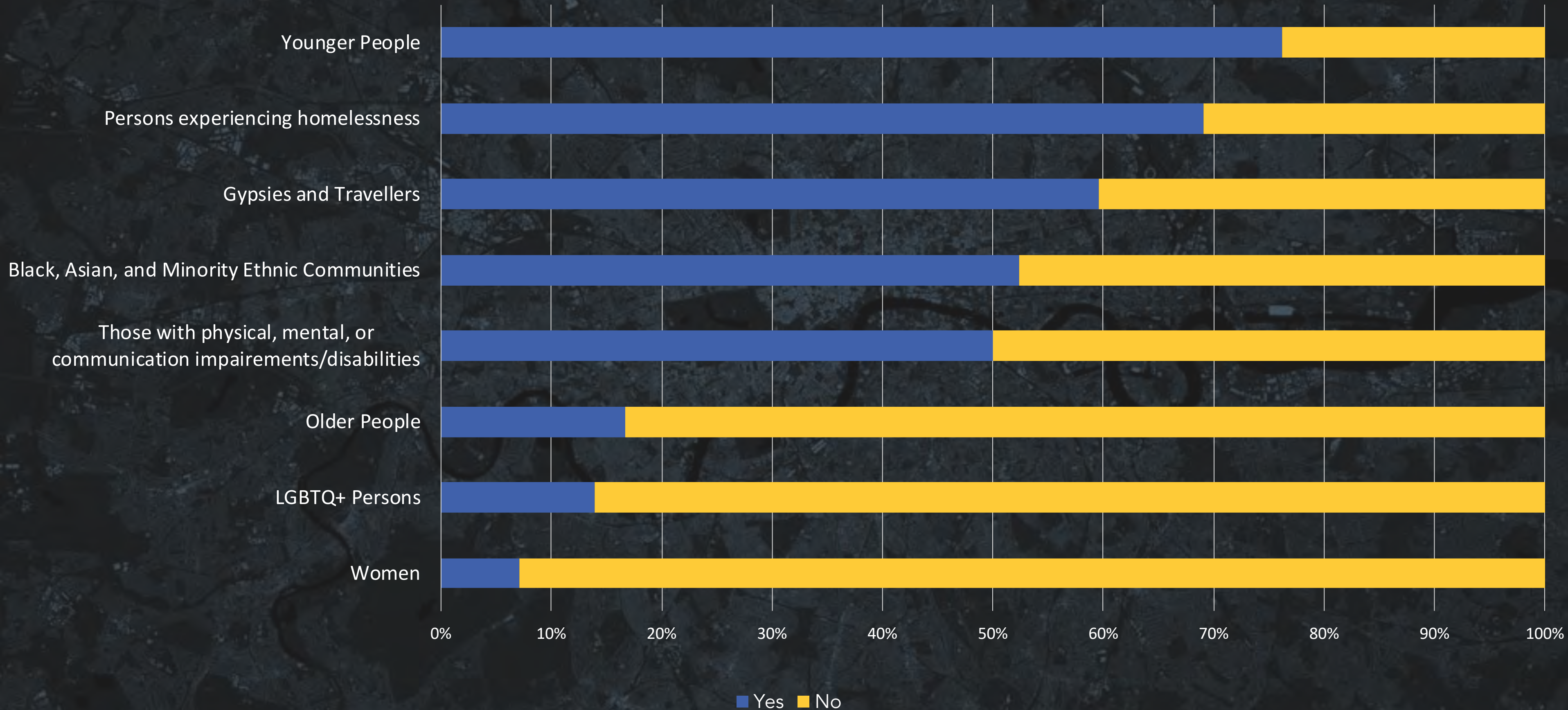
RESEARCH PROJECT



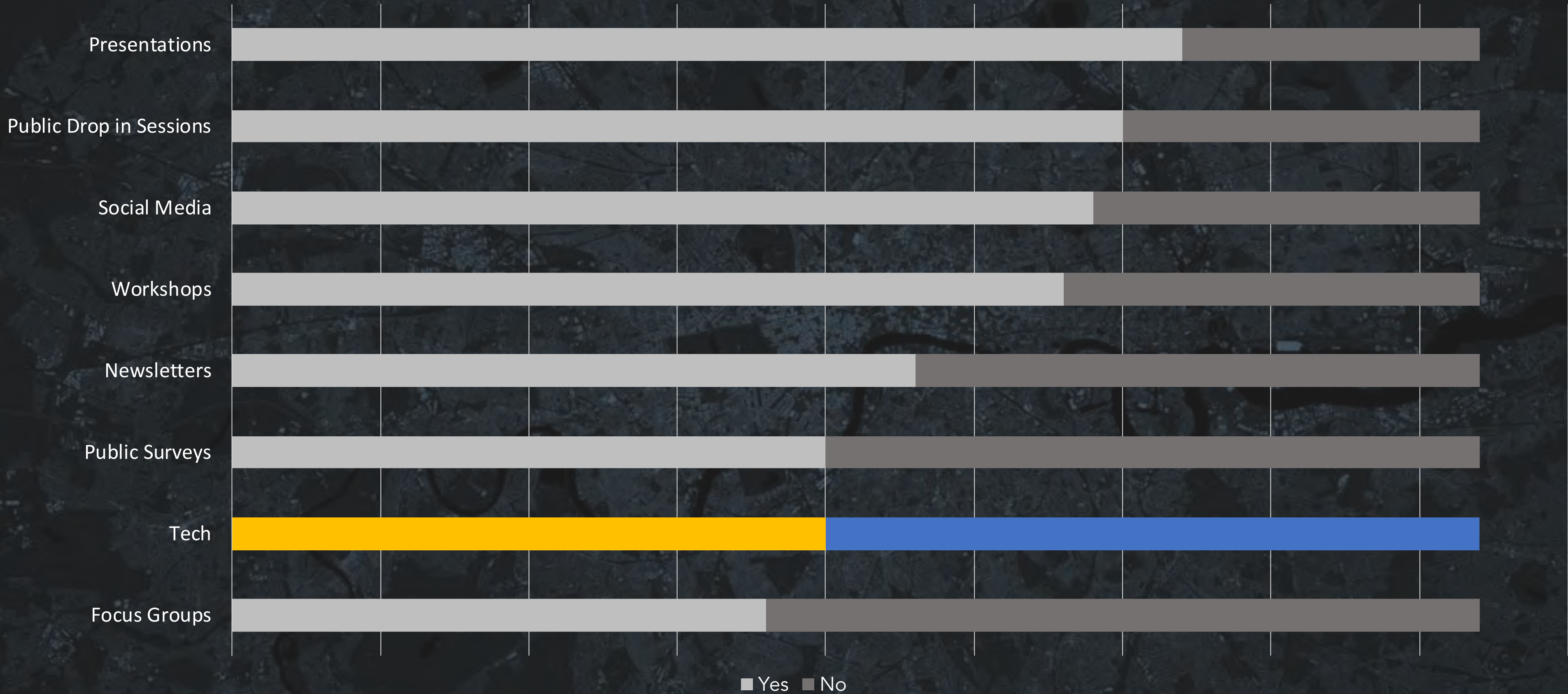
MANCHESTER
1824

The University of Manchester

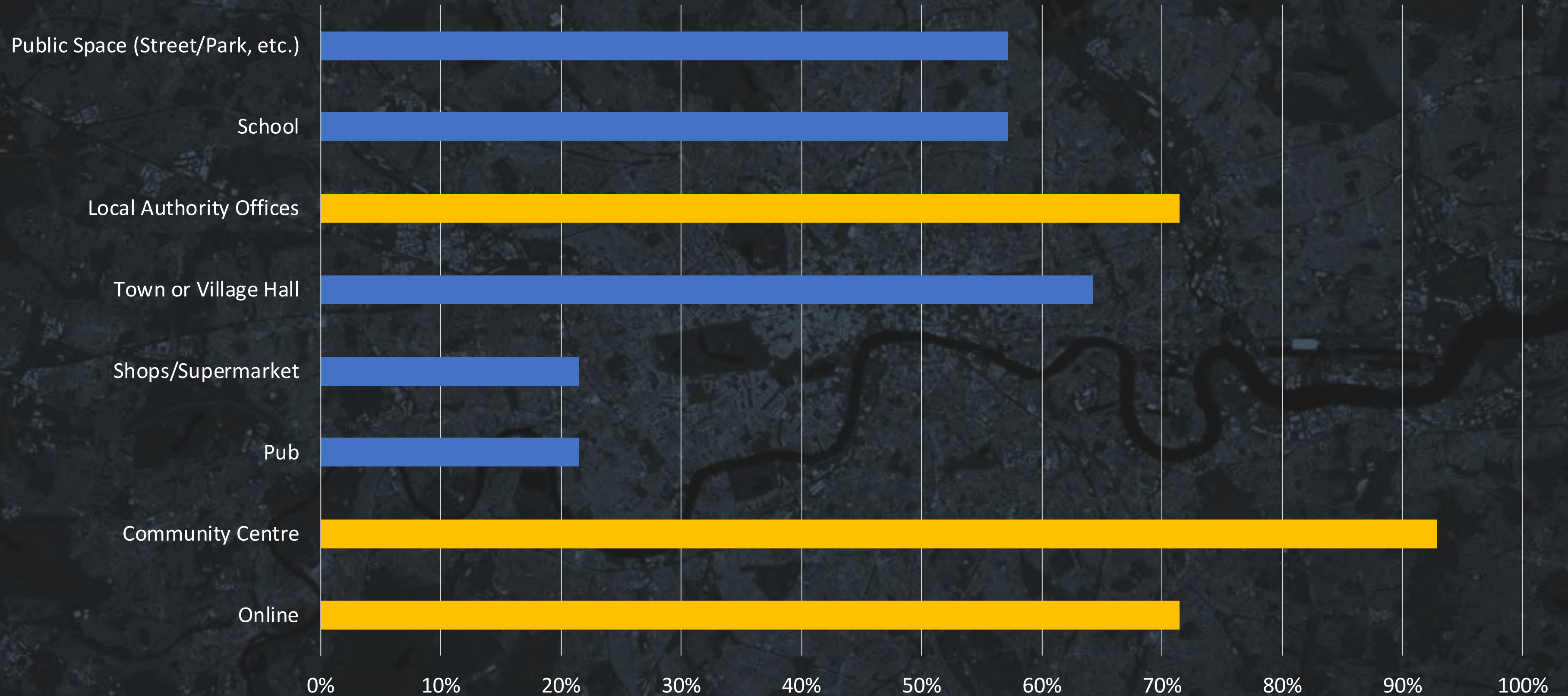
Are these groups difficult to reach for engagement?



Approaches Used for Community Engagement



Spaces used for Engagement



PARTICIPATE

ENGAGE

INFORM

● Statutory
● Non-Statutory

● Neighbourhood
Development Plans
and Orders

● Focus Groups

● Workshops

● Public Drop-Ins

● Public Surveys

● Written Representations

● Planning Portal
Website

● Presentations

● Social Media

● Site Notices

● Newspaper advertisements

Very
Ineffective

Ineffective

Neither

Effective

Very
Effective

Findings

- Purpose of Engagement is **informative** rather than **collaborative**.
- Widespread agreement that planning tools have not kept up with digital technology.
- Much budget / focus for community engagement is spent on **statutory engagement methods** which are seen as **outdated** and ineffective.

SLEDGEHAMMER TO CRACK A NUT?



THE NUT HAMMER



WHY SIMPLY REPLICATE INEFFECTIVE ENGAGEMENT USING VIRTUAL TOOLS?

“To what extent could remote collaboration through digital technology **really** replace the real face-to-face interaction and people's dependency on spaces?”

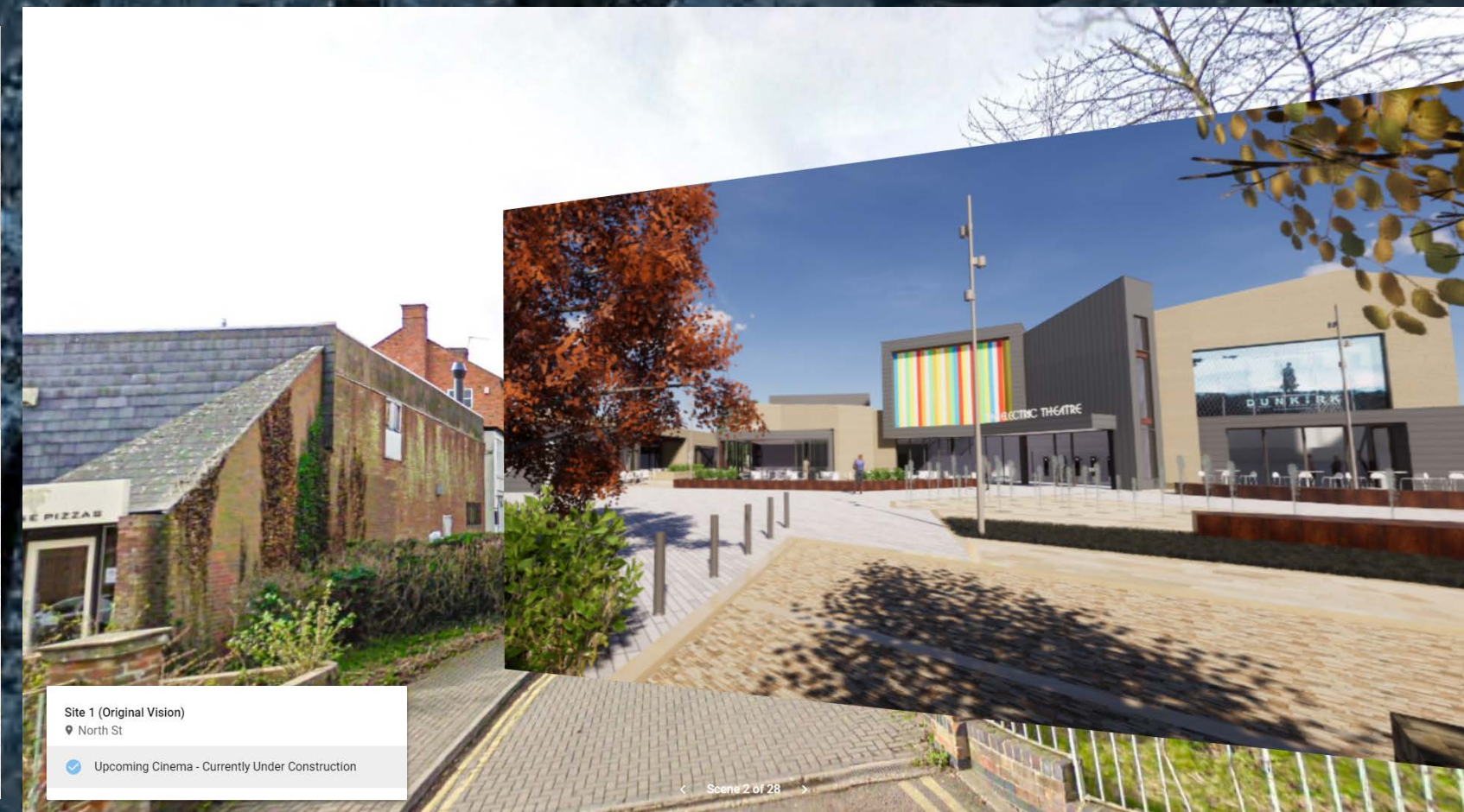
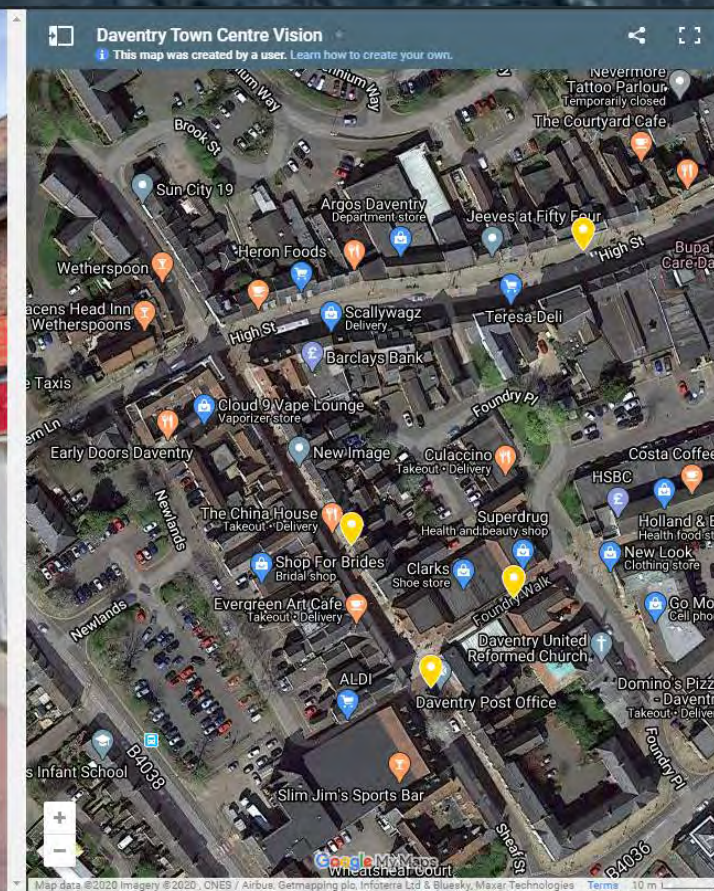
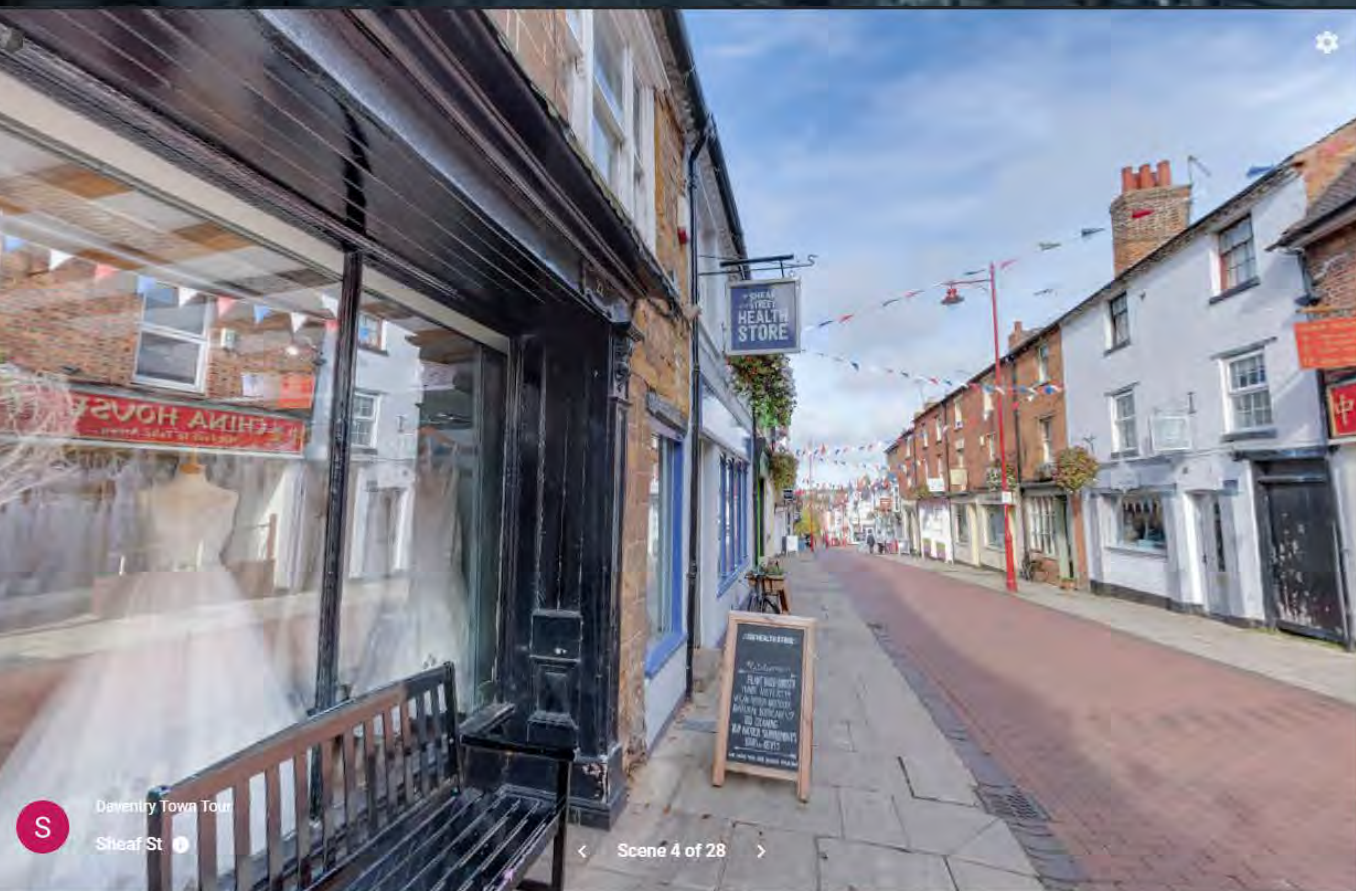


TROY PLANNING + DESIGN CASE STUDY

- 1. PROJECT BRIEF AGREED AND INSTRUCTED IN MARCH 2020 FOR A TOWN CENTRE VISION TO 2035 INVOLVING HEAVY COMMUNITY ENGAGEMENT**
- 2. COVID-19 LOCKDOWN RESTRICTIONS MID MARCH 2020**
- 3. COMPLETE REDESIGN OF THE PROJECT AND OUR APPROACH**

TROY PLANNING + DESIGN CASE STUDY

VIRTUAL TOWN TOUR



TROY PLANNING + DESIGN CASE STUDY

GOOGLE IS GOOD BUT NOT THAT GOOD
DRONE FILMING



Video Tour

Watch in Full Screen



TROY PLANNING + DESIGN CASE STUDY

CREATED WEBSITE FOR CLIENT AS DIGITAL HUB

DAVENTRY
TOWN CENTRE VISION
2035

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[Virtual Town Tour](#)

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Daventry Town Centre Vision 2035

[Have Your Say](#)

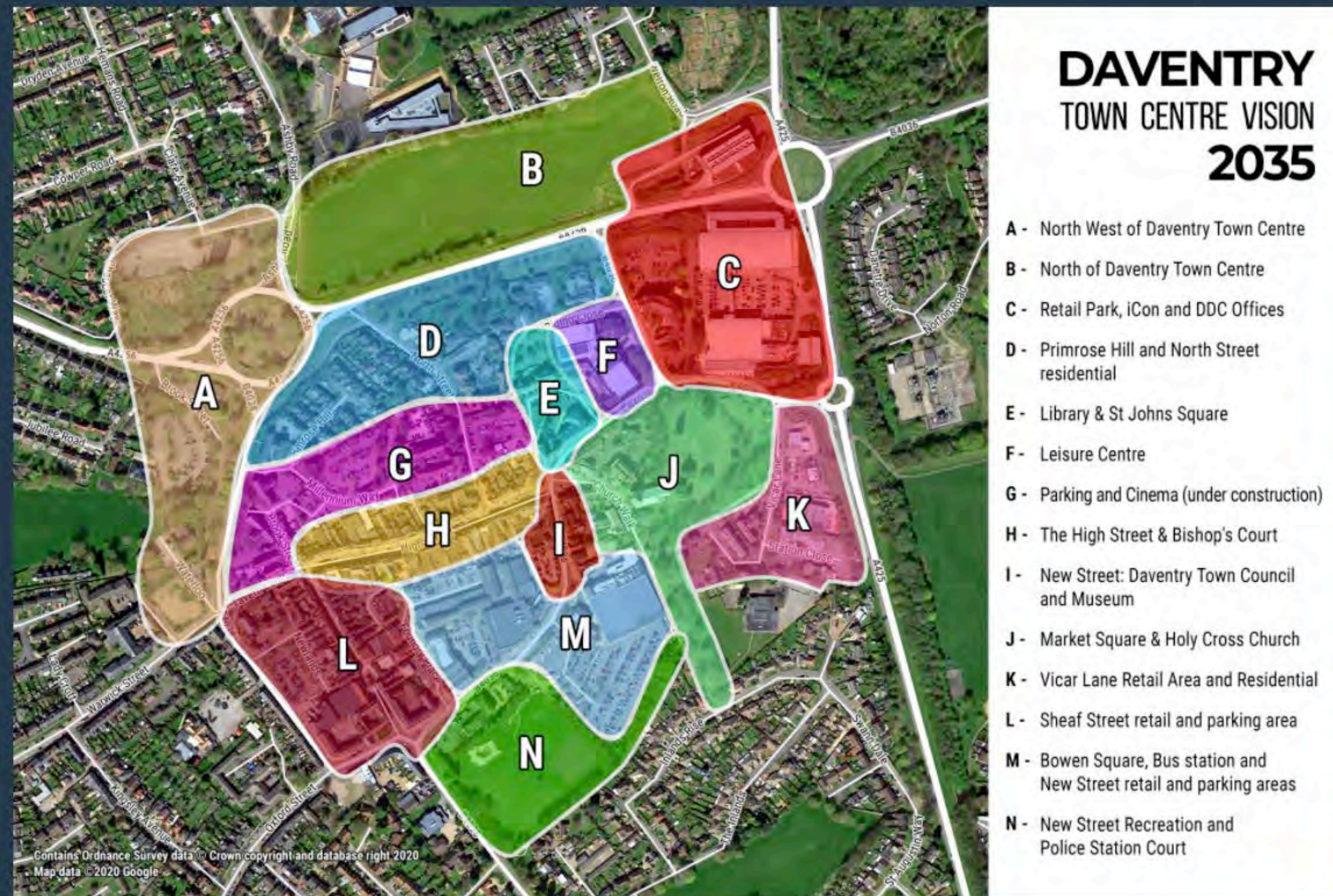


[About the Vision](#)

TROY PLANNING + DESIGN CASE STUDY






INTERACTIVE SURVEY

18. In your view, which areas of the Town Centre would most benefit from improvement and investment? Please rank (refer to the map below, also available on [this link](#))






TROY PLANNING + DESIGN CASE STUDY

LEAFLET TO EVERY HOUSEHOLD



**WE NEED
YOUR VIEWS**

DAVENTRY
TOWN CENTRE VISION
2035

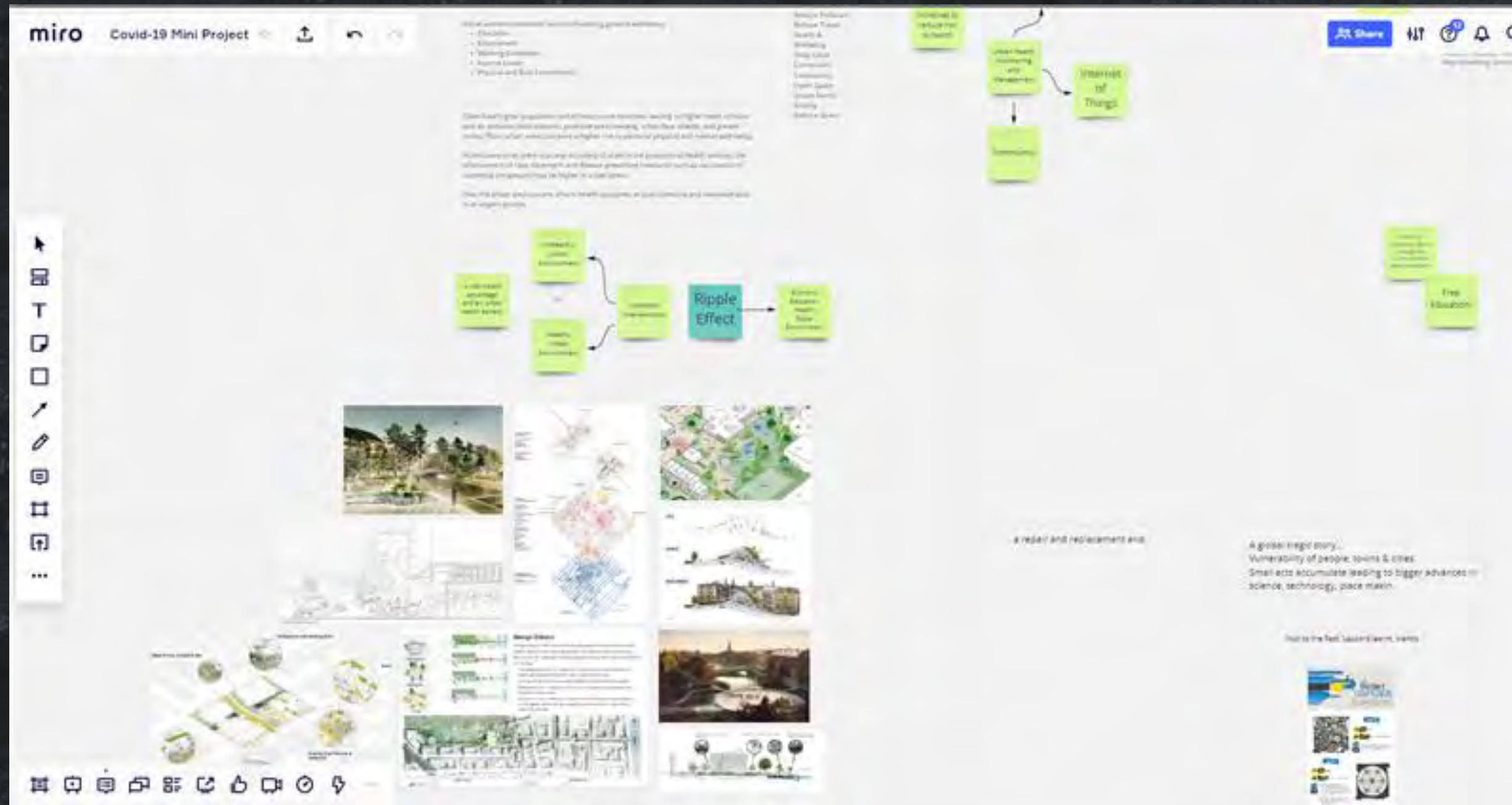
  

Learn more about the Vision and
have your say at daventry2035.com

Find more information overleaf ➡

TROY PLANNING + DESIGN CASE STUDY

NEXT STEPS – 3 VIRTUAL WORKSHOPS





USEFUL TOOLS FOR ENGAGEMENT

How can virtual design workshops be more interactive, less passive and more collaborative?

What happens when not all stakeholders are ready to receive the technology?

1 selected

100% 400

SAVE

ANYWHERE FOR TALL 0

Land owned by: Jackson Ross - 171

8 story hotel development - 100000

10 story hotel development - 110000

8 story building - 100000

14 story building

40 story building

27 story building

30 story building

10 story

10 story

14 story

10 story

10 story

10 story

10 story

10 story building

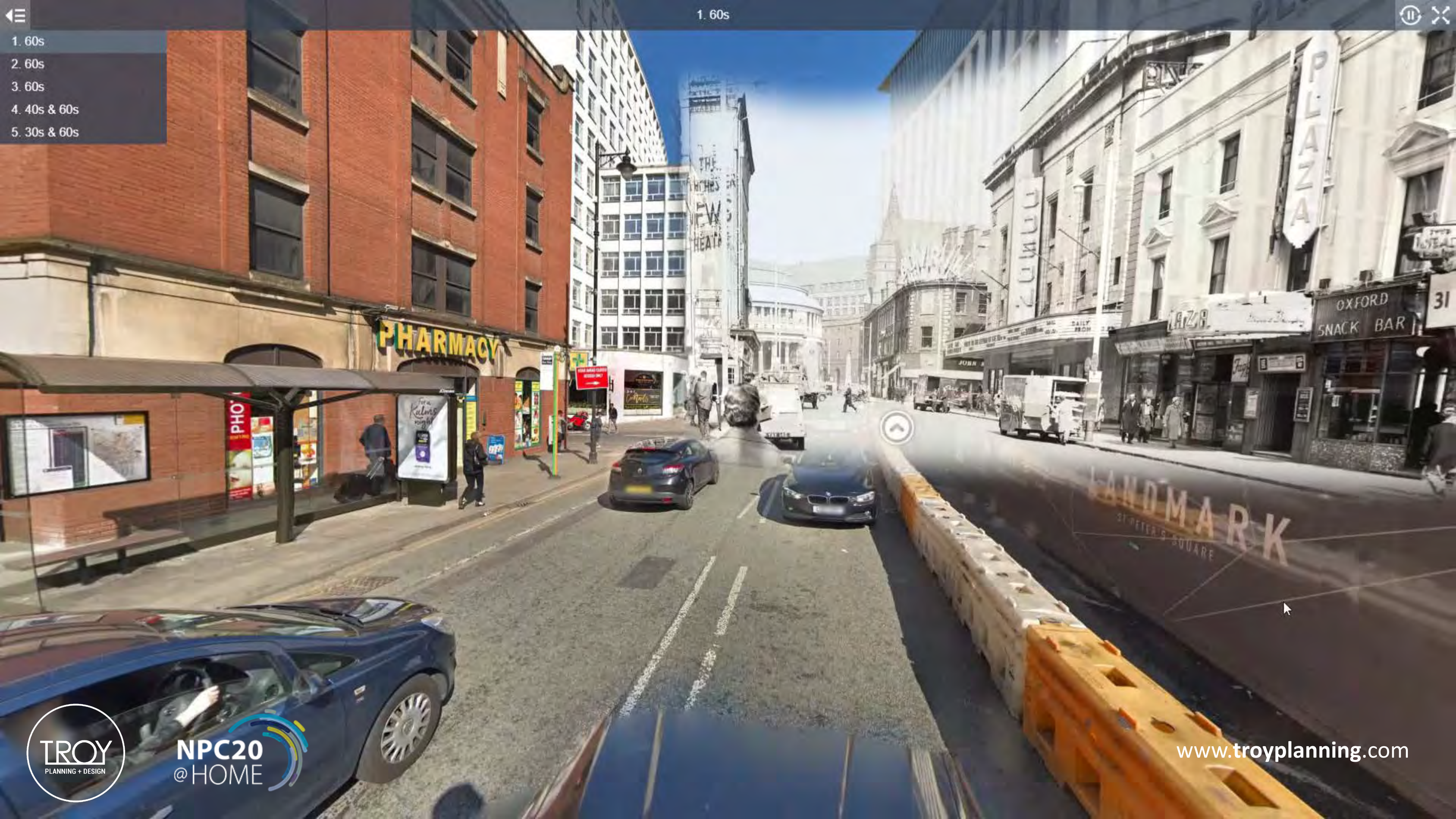
10 story building

10 story building

An aerial view of a city, likely London, showing a dense urban landscape. A large, semi-transparent 3D model of a building is overlaid on the city, with a red rectangular prism indicating a specific area of interest. The model is positioned over a cluster of buildings, including a large, curved, white building with a ribbed roof. The background shows a mix of older brick buildings and modern glass-fronted structures. The overall scene is a digital representation of a city's built environment.

INTERACTIVE CITY MODEL

CLICK ON BUILDINGS FOR
PLANNING APPLICATION INFORMATION



1. 60s



- 1. 60s
- 2. 60s
- 3. 60s
- 4. 40s & 60s
- 5. 30s & 60s



NPC20
@HOME

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Building Interactive Virtual Models



It should be integrated better in the local context

← 1 📍 ⋮

What are the other development options, if any?

← 1 📍 ⋮

Architect here, the density looks slightly inadequate in my opinion.

← 1 📍 ⋮

I work in the area and I confirm the traffic can be quite busy at noon.

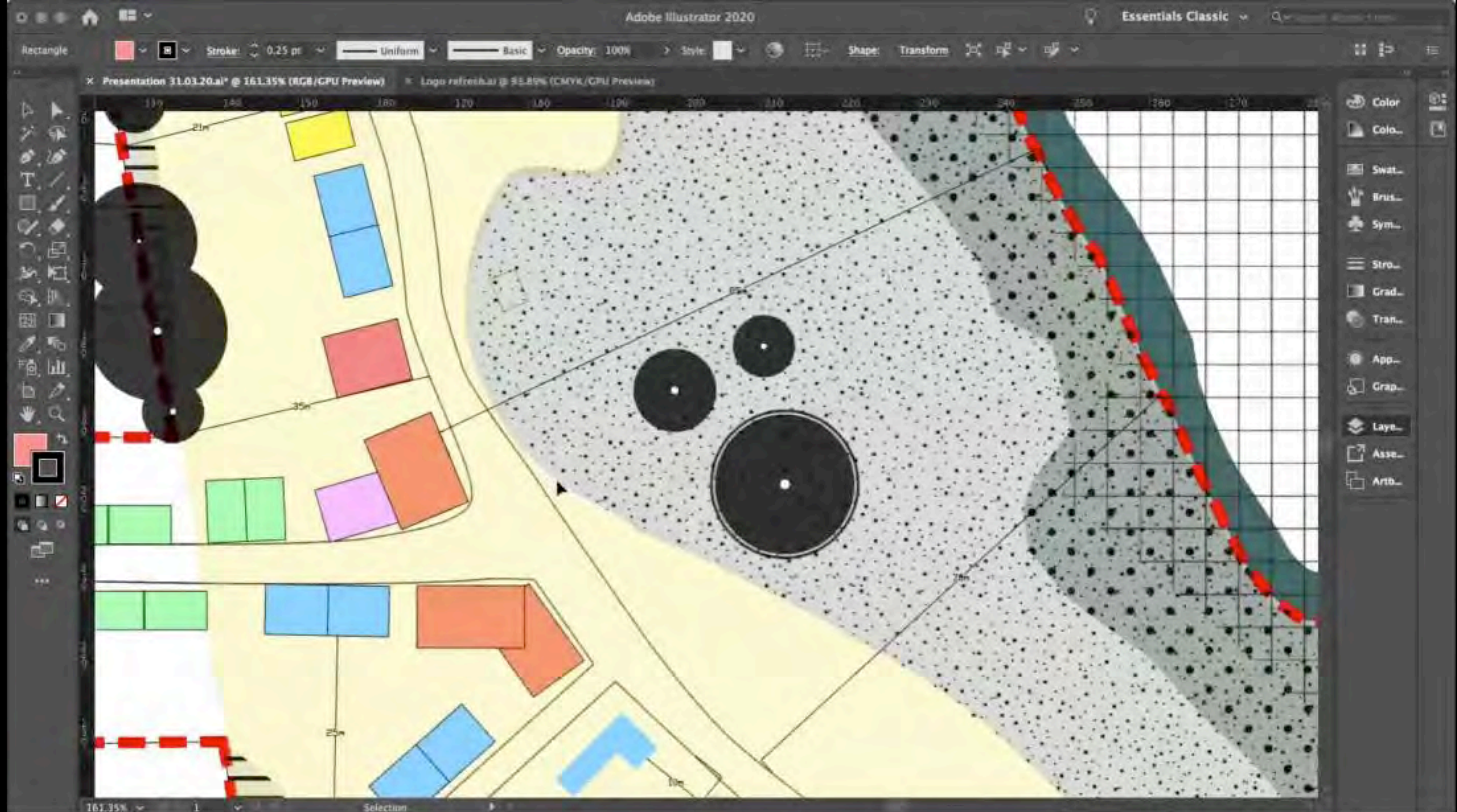
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DESIGN WORKSHOP



Genevieve Hayes

Precedent images: building typologies

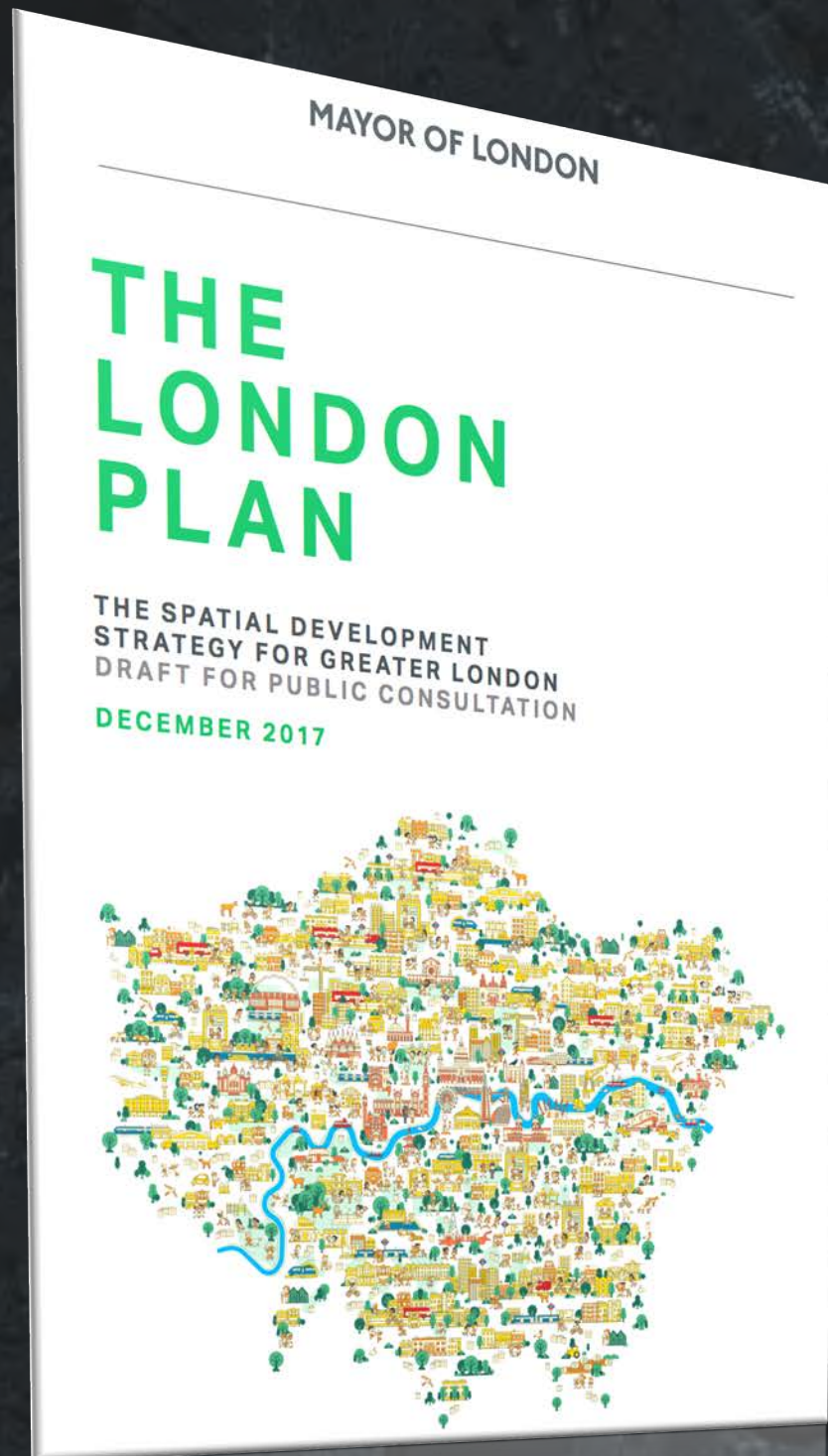




INDICATIVE CONCEPT



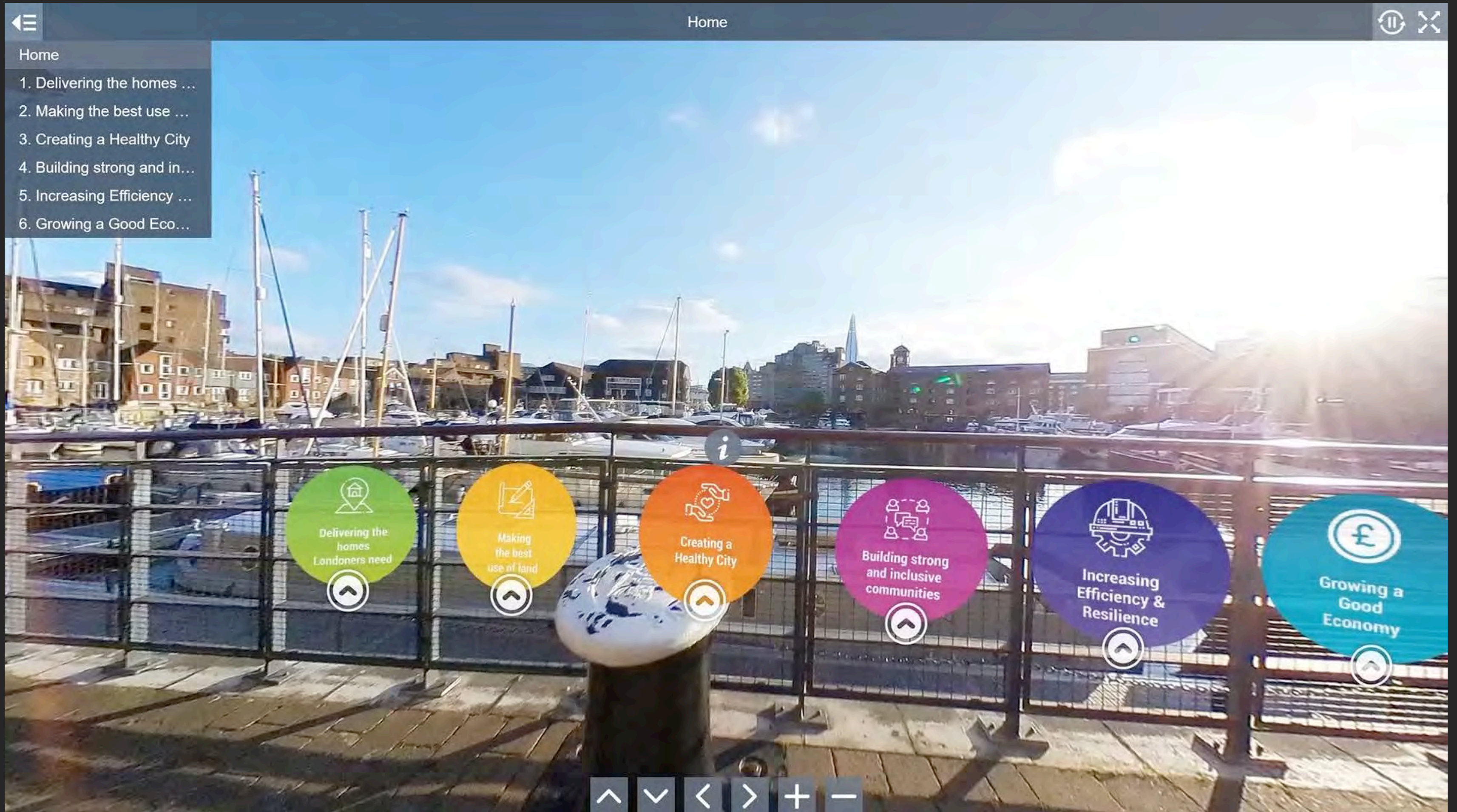
INDICATIVE CONCEPT



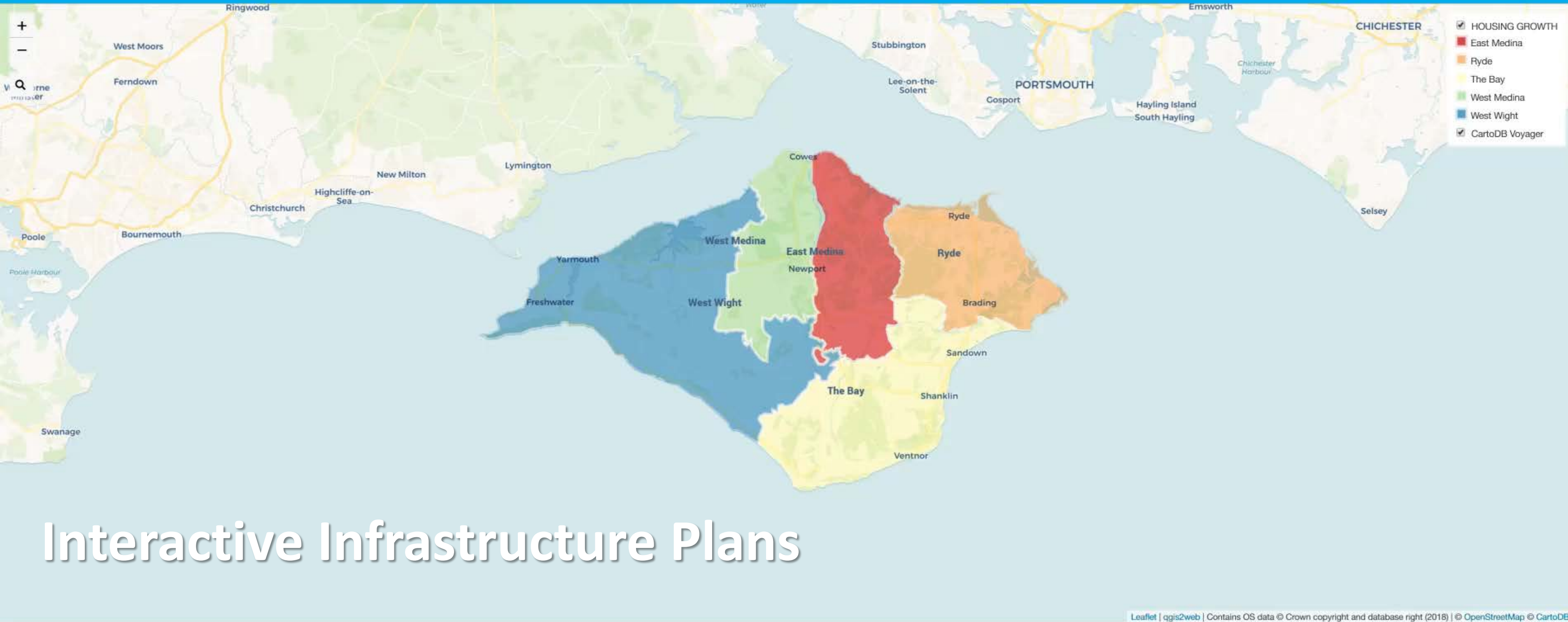
**Current: STATIC PLANS
Over 600 Pages
Mostly Text**

***How can we make it
intuitive and meaningful?***

Virtual Plans & Exhibitions

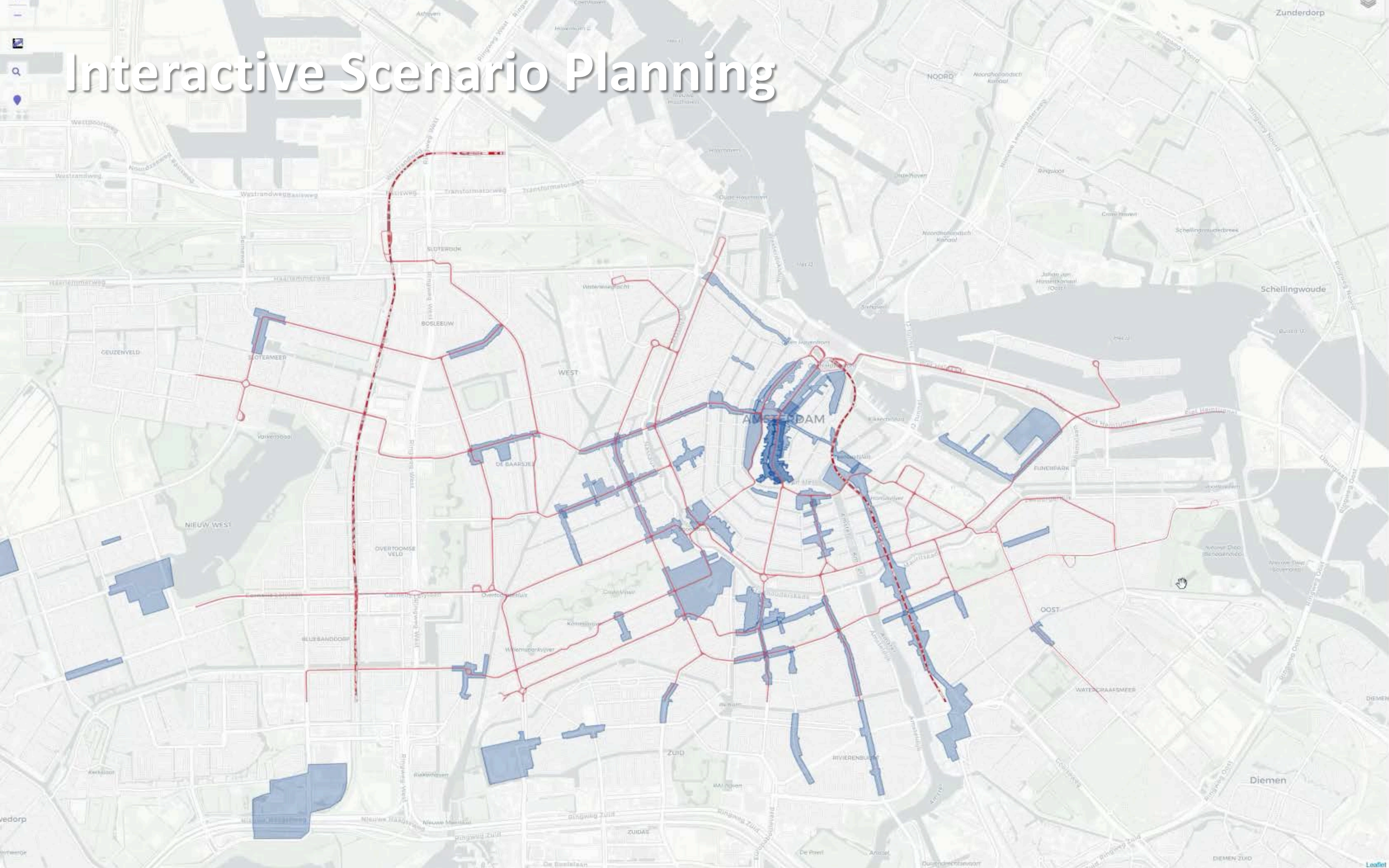


Housing trajectory as of July 2018. Subject to change and amendment as work on the Local Plan evolves.



Interactive Infrastructure Plans

Interactive Scenario Planning



DENSITY MODIFIER



Selected Density 1 is: 35 dph



Selected Density 2 is: 50 dph

AFFORDABLE HOUSING

For sites over 2 hectares,
apply 35 % affordable housing.

LVC OPTIONS

LVC for Density 1 is: £20500

LVC for Density 2 is: £32750

STREET MIX



Non-motorised: 50%
Motorised: 50%

PUBLIC SPACE



Allocated: 20% for sites > 2ha

Q&A



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Questions:

The participation ladder is a clear, simple approach to public participation. In reality, we find that at the end of the journey, an advisory agency dares to come up with new pathways that undermine the entire process. The rules of the game, very important!

How to incorporate virtual planning in planning education and developing a more participatory approach?

How to make virtual participation empathic throughout the all e-process?



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Questions:

Hailing from India where a significant percentage of population is not literate, I was wondering how can we as planner/ urban managers try and find ways to virtually include them in the planning process keeping in mind their limitations?

How to combine virtual and face-to-face public participation

How to attract more citizens to take part in virtual public participatory meetings?

How to make these virtual platform available for every citizen?



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Questions:

Infrastructure needed to enable virtual planning platforms

Access to technology and enablers for the developing world



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