‘Density hunting’: Using Google Maps to explore the city and locate suitable case study sites

Blog series: Methods for Studying Density in the City, by Mel Nowicki & Tim White

‘Experiencing Density’ is a project jointly led by LSE Cities and LSE London that explores resident experiences of life in London’s new high-density housing. Researching the benefits, and pitfalls, of high-density housing in the capital has become ever-more pressing in light of Mayor Sadiq Khan's promise to build more housing for a rapidly growing population, without infringing on the Green Belt.

However, whilst there has been growing interest in London’s high-density developments among architects, planners, and politicians, relatively few studies have investigated residents’ experiences. This is where our project comes in. We believe that asking residents about everyday life in these developments is critical for understanding what works, and what doesn’t.

This project is ultimately about people; their experiences, their opinions, their hopes for the future. It was therefore critical that our research methods captured these nuances, both when finding case study sites and engaging with residents. We are employing three different techniques to achieve this:

1. ‘Density hunting’. Using Google Maps to explore the city and locate suitable case study sites.
Methodology
decision-making processes and reflexive accounts of successes and failings are under-discussed in academia, with academics tending to focus on the polished final product. With that in mind, this series of blog posts will reflect on our three methods as the project unfolds, beginning with our first: ‘density hunting’ via Google Maps.

As is clear from a stroll around most parts of the city, London is densifying, with skyscrapers seemingly multiplying year on year, and new-build apartment complexes cropping up in relatively low-density contexts. Making a choice about which high-density developments to use for this project was therefore not easy. What did we want from our case studies?

We decided to begin our ‘density hunt’ by using Google Maps’ 3D function to scout potential case studies. This meant ‘flying’ around Greater London looking for particularly large, intense developments.

We then followed this up with desk-based research on the developments to check whether they suited the following criteria:

1. Was the development built within the last 10 years?
2. Does the development have at least 200 housing units?
3. Are there 100+ dwellings per hectare (a standard, if flawed, measure of density)?
Diving in’ to understand how the developments fit in to the context of the local area

‘Diving’ then enabled us to zoom in on developments we found particularly interesting, examining their architecture and structure from a variety of angles.
‘Density hunting’ using Google Maps therefore proved to be an effective way of both finding high-density developments across the city, and choosing case study sites that have a range of architectures and neighbourhood contexts.

Looking ahead methodologically, we have recently sent surveys to residents, posting letters to 500 homes per development (where development sizes exceed 500) that contain web links and QR codes directing residents to an online survey tailored to their specific development.

In the coming months, we’ll also be hosting workshops for residents of all nine case study developments here at the LSE. We’ll be using this time to work with residents to extend our understanding of both what people enjoy and what they find lacking in their high-density homes. The project will also result in a policy report, due to be published in September 2017, which we hope will feed into the Mayor’s new London Plan.
Contact us:

Twitter - @LSE_London
Facebook - LSELondonGeographies
YouTube - LSE London
Email - lselondon@lse.ac.uk

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