Biennale Venice 2016, Korean Pavilion
The FAR Game. Diversity in Density.

To make a comparative analysis of some blocks in Seoul with my database of European cities, I would like to receive information for 6 superblocks in Seoul (i.e. dongs) that represent dominant building types and densities (focus on housing areas), but I even think these could represent the differences in planning tools as described in Kim (2013). Two examples per type would be best:

Superblock #	Density (relative)	Planning tool Seoul	European comparison
1+2	High BCR (GSI) and FAR (FSI)	LR	Pre-modern with infill densification projects
3+4	High FAR (FSI), but low BCR (GSI), i.e. high rise	HSD	Modern urbanism (postwar)
5+6	High FAR (FSI) and high BCR (GSI)	HR	Brownfield developments (centrally located harbor areas)

A quick check via Wikipedia shows that for instance Jongno District has a relative low density (e.g. Cheongunhyoja-dong) and Gangnam District a relative high density (e.g. Nonhyeon-dong as example of LR development), but I am sure you are much better in finding good examples.

I will compare these with examples from Stockholm, Amsterdam and London using the Spacematrix method presenting besides the basic density variables, an overview of the *diversity of density and block sizes* within each superblock.

Sizes superblock (see figure 2)

Seoul, Nonhyeon-dong A-1	700x900 m
London, Soho	600x800 m
Amsterdam, De Pijp	500x700 m
Stockhom, Södermalm	600x700 m

I prefer data on a low aggregation level to capture diversity of density, so preferably the property unit (if not available, block unit can work) with an ID for each property x including the ID of superblock # and block ¤ to be able to relate the units to one another (see Figure 1).

The data I need to calculate BCR (GSI) and FAR (FSI) and Network density is:

- site area (property, block, superblock)
- building area (for each property)
- gross floor area (for each property)
- street length (superblock)

If possible it would be great with the following data (but if not, no problem):

- population (residential and working)
- land use

Format

Ideally I receive this as a GIS file (with tables and shapes) so that I can do some basic analysis myself. Otherwise an excel-file with the data and the IDs of the units with referenced illustrations will do.

I give an example of the units I will work with (what I minimally need is data for each block, but data on property level would be much better).

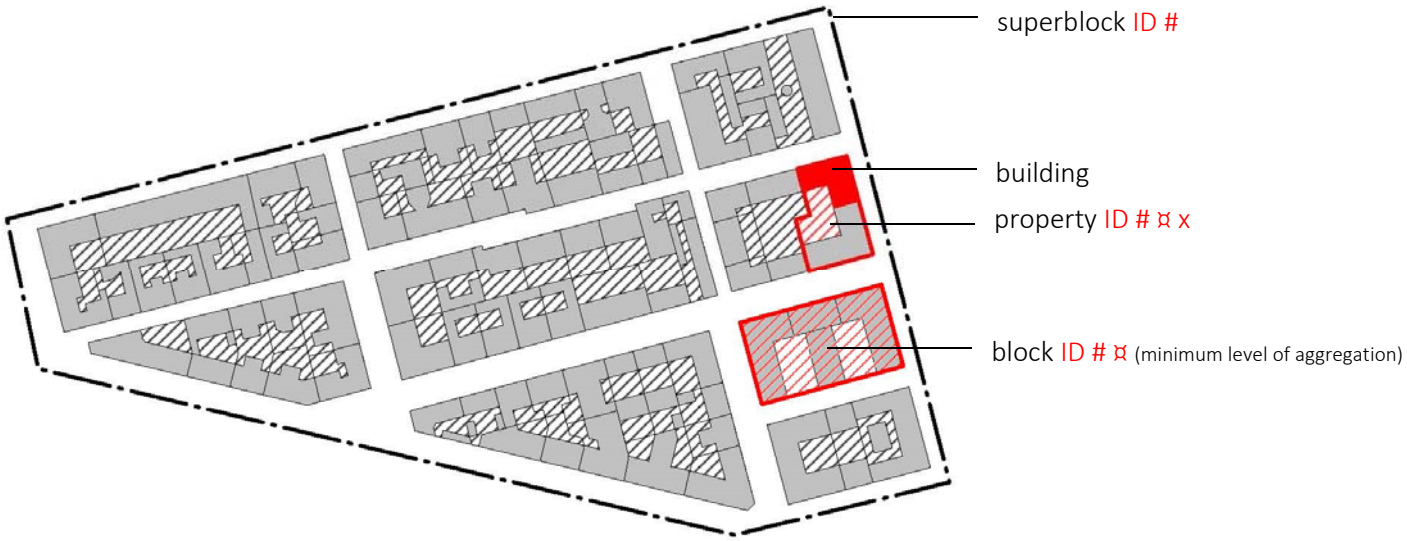

Figure 1. *Units for analysis*

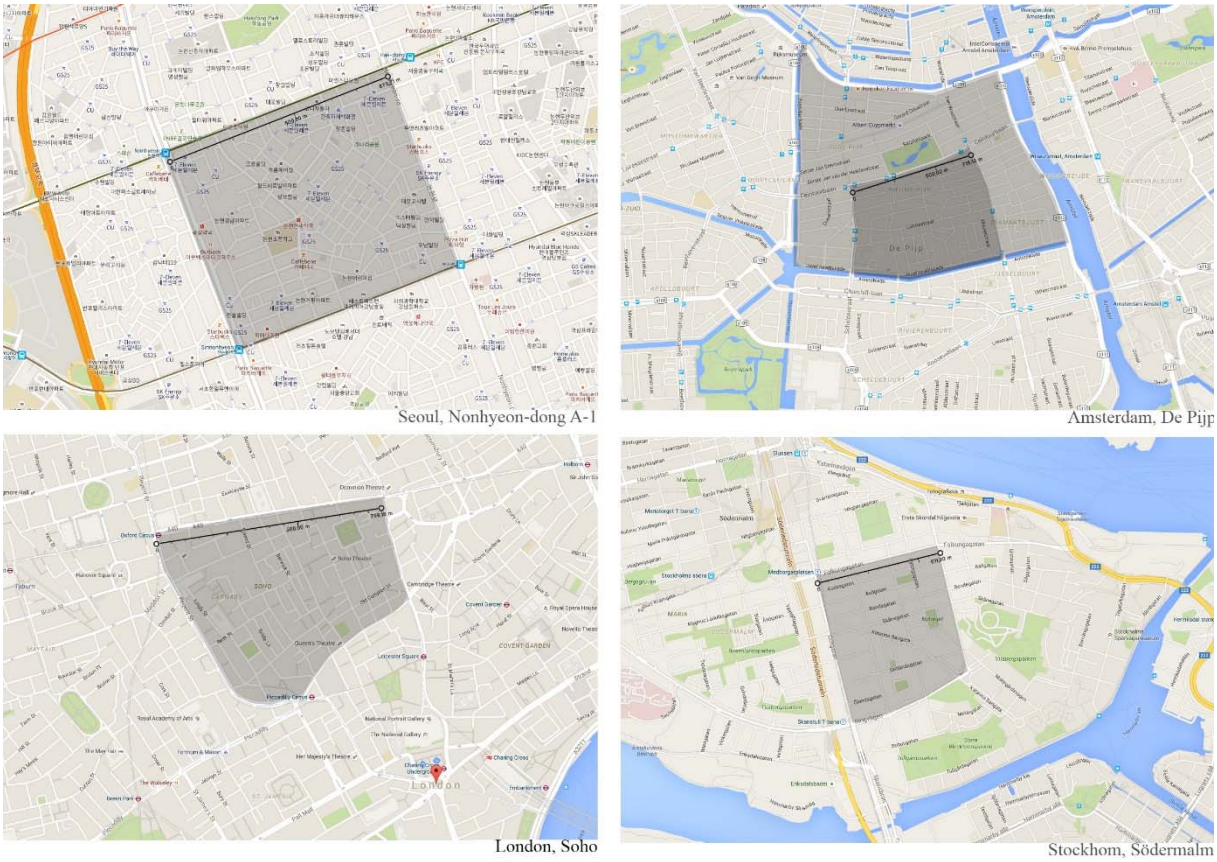

Figure 2. *Super block comparison: Seoul, Amsterdam, London, Stockholm*