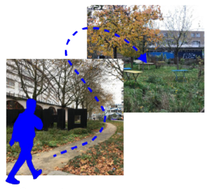
NOISE TO THE NEXT LEVEL

SITE ANALYSIS

Map 1:5000

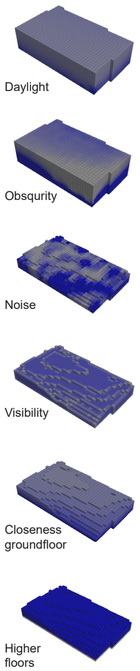


1. Connect green areas across plot

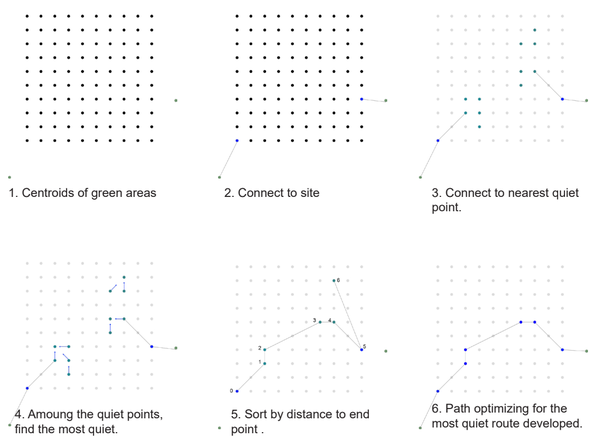
2. Attract to plot with public functions on the groundfloor

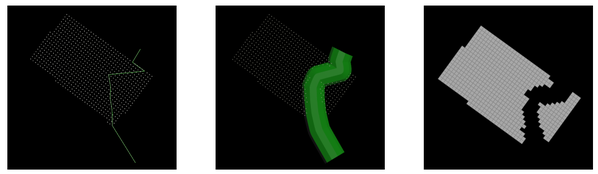
3. Seperation in public and private functions

SITE DATA



GREEN CONNECTION





Green path creates the building envelope for function growing.

FINAL IMPRESSIONS

Urban plan 1:1000

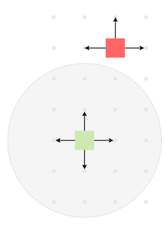
OPTIMIZING FUNCTION PLACEMENT

STEP 1

A lineair space agent model

- no influence on each other-
- prioritizing by function order -

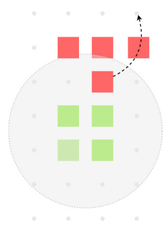
STEP 2



WP - influencing model

- influence surrounding voxels-
- noisy functions prioritized -

STEP 3

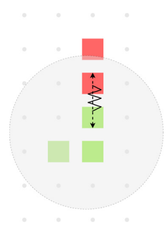


Child-replace model

- initial placement noisy prioritized -
- prioritizing can be randomized -

Optional way to do this: choose cause or consequence replacement

STEP 4

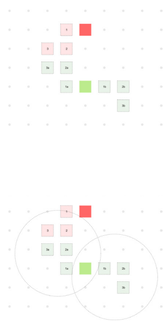


Spring model

- Based on overall best setup -
- no prioritizing-

Optional way to do this: mass WP addition

STEP 5

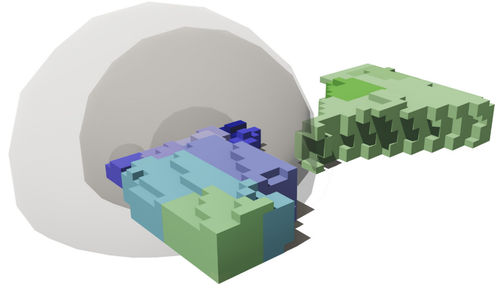


Dynamic model

- Iterate over lower WP options -
- no prioritizing-
- Only specific pollution type spring models -

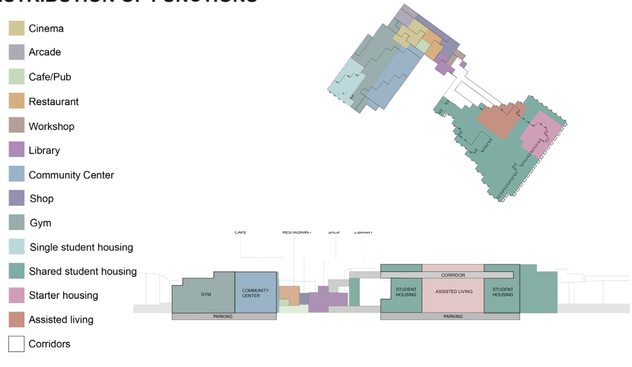
Optional way to do this: mass WP addition & initialized spring pollution & pre-defined lower WP iterations

NOISE POLUTION



The model takes into account placment of noisy functions. In this way we ensure that housing units are not disturbed by noise from public functions.

DISTRIBUTION OF FUNCTIONS



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