StreetVote

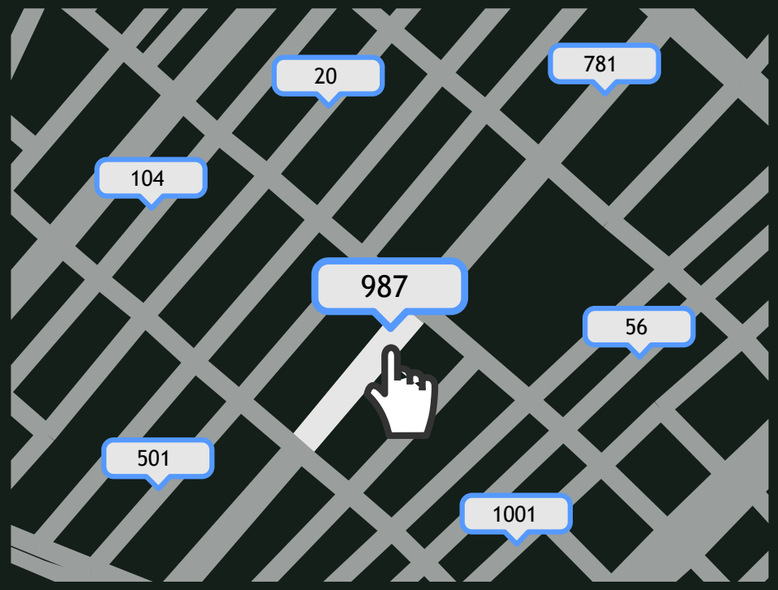
choose walking!

This project aims to allow collaborative editing of an urban neighbourhood's street network in order to reclaim public space dominated by transportation functions, and to foster serendipitous experiences in dense urban cores. To achieve this goal, an online voting platform is proposed, enabling residents and other users of the neighbourhood to choose, on an ongoing basis, which streets should be turned into **pedestrian-only zones** of safety, leisure and recreation for a short period of time.

Citizens cast votes on streets they would like to see pedestrianised in the coming weeks. Every week, five streets are selected using an algorithm ensuring that top-voted streets are pedestrianised, while the basic efficiency of the transport network is maintained.

This is demonstrated on the example of Ginza district in Tokyo, a neighbourhood known for its open street days - a tradition which can be made more dynamic and collaborative using technology.

(bottom-right: archive photo from Tokyo. Source: http://www.tokyo-ueno.jp/historylist.html)

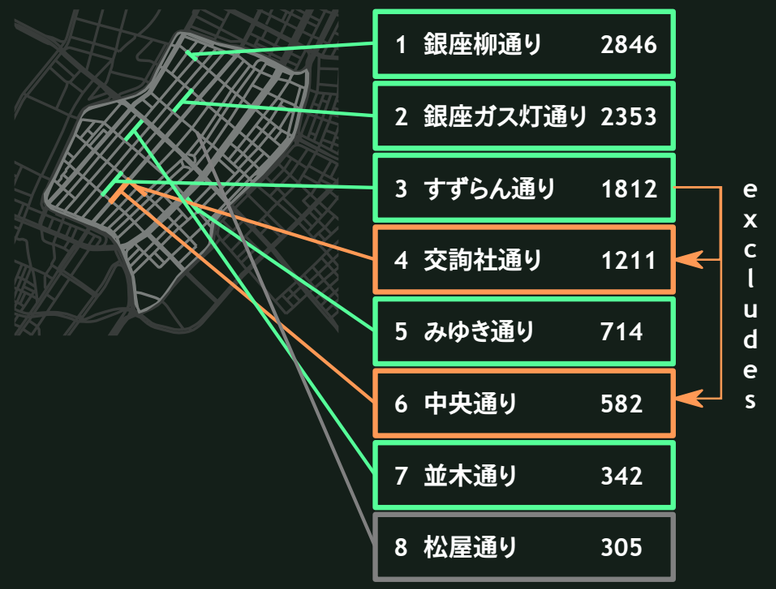


Voting platform

Anyone in Ginza can vote every week for one street, using an online interface. Long streets are divided into fragments between intersections, which users can cast their vote on.

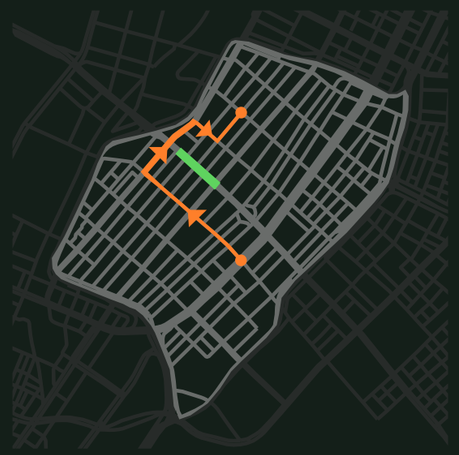
Street selection

Five top-voted streets are chosen based on the week's votes. Nearby streets are excluded based on a network analysis to prevent too much traffic disruption. Votes cast for other streets are preserved.



Autonomous vehicle routing

Currently, changing the traffic organisation regularly would create confusion among drivers. This design relies on autonomous **vehicles** receiving automated map updates from StreetVote and navigating through the neighbourhood without human supervision.



Implementation

Results of each vote are implemented after a week's time, for a week. Temporary street furniture and food stalls are installed.