

Study on Bicycle Parking Spaces at SBB stations



For Swiss Federal Railways (SBB), we conducted a study to investigate the need for bike parking facilities at SBB railway stations in the year 2030. The challenge here was to take into account different regional strategies for dealing with bicycle traffic and the bicycle infrastructure. To meet this challenge, we developed a tool that SBB can use to estimate the future number of bicycle parking spaces. It also shows where the bicycle parking facilities should be located around the station and how many spaces are needed for e-bikes and cargo bikes.

Our services

- Researching and preparing literature on the demand for bicycle parking spaces as well as e-bike and cargo bike trends
- Determining the different regional strategies regarding bicycle traffic by means an online survey for municipalities
- Evaluating and checking the plausibility of traffic model data from the SimbaMobi project (an agent-based transportation model used by SBB) and the NPVM (national passenger transport model from the Federal Office of Spatial Development - ARE)
- Developing a tool to determine the need for bicycle parking spaces at SBB railway stations, together with a corresponding manual

Client

SBB Passenger Transport Market

Facts

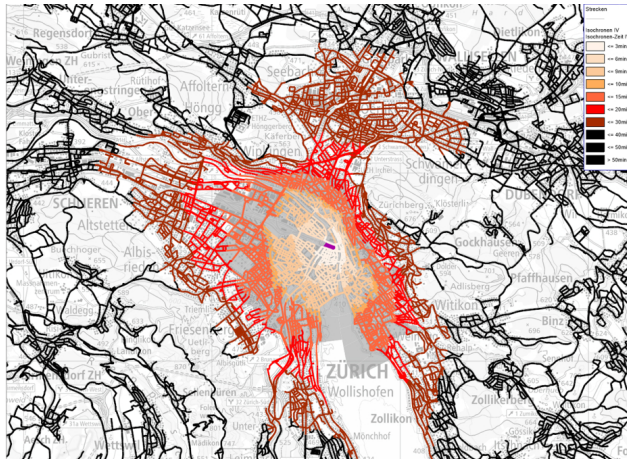
Period 2023

Project Country Switzerland

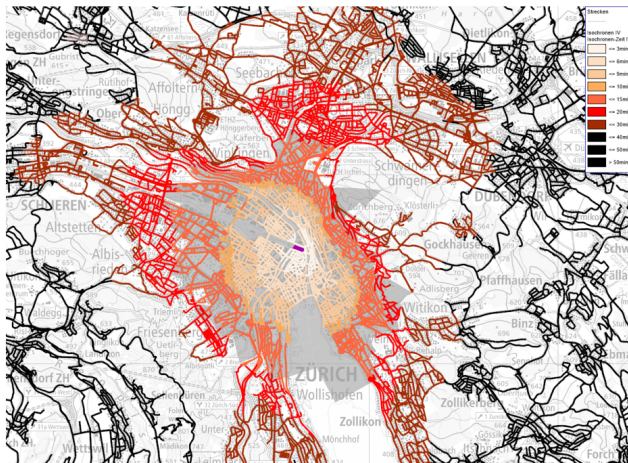
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How much potential is there in the vicinity of the railway station? What is the corresponding demand for bicycle parking? This is shown by the isochrone calculation for bicycles at Zurich main station (Source: developed by EBP using NPVM data).



e-bikes extend the catchment area and make the station accessible to more people. This is shown by the isochrone calculation for e-bikes at Zurich Main Station (source: EBP graphic from NPVM ap-plication).

Main Image: Bicycle parking

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