

Planning Wars

Lessons for City Planners



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GreenCityStreets.com

Lecture Rome

May 29, 2015

Planning Wars

- The Empire Strikes Back – Vienna
- A New Hope – Zurich
- The Phantom Menace – San Francisco
- Return of the Jedi – New York
- The Force Awakens – Information Technology

The Empire Strikes Back - Vienna

- Imperial Capitol - A city for 4 million people!
- A Capitol for the people – social democracy.
- Transport and housing in a social city.
- World's most liveable city.

Vienna

Economy

- Economic, cultural and government capital of Austria

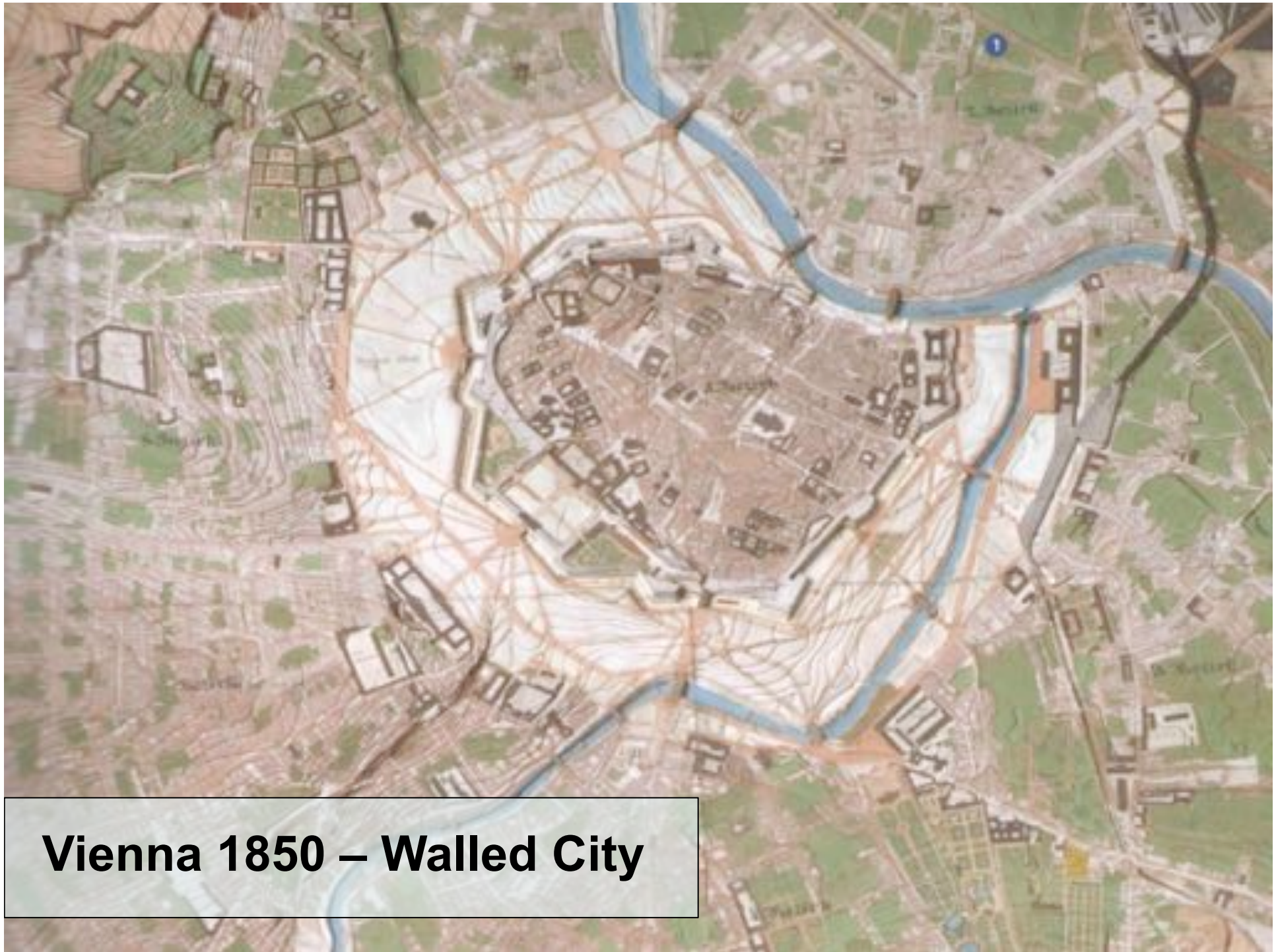
Population

- City: 1.71 million (City Area 415 km²)
- Metropolitan area: 2.42 million

Transport

- Motorisation: 394 Cars / 1000 Inhabitants
- U-Bahn: 74 km (2010)
- Tram: 172 km (2010) – 74% exclusive lanes
- Bus: 622 km (2010) – 7.7% exclusive lanes
- Network bike routes: 1,206 km (most shared)





Vienna 1850 – Walled City



Vienna Ringstrasse Lessons

- Imperial power allowed huge and disruptive infrastructure project – compare:
 - Haussmann (Paris)
 - Sixtus (Rome)
- Financing and Organisation was critical
 - land sales financed public construction ...
 - agency lasted until 2000s and made a profit!

DIE UNBEGRENZTE GROßSTADT 1911

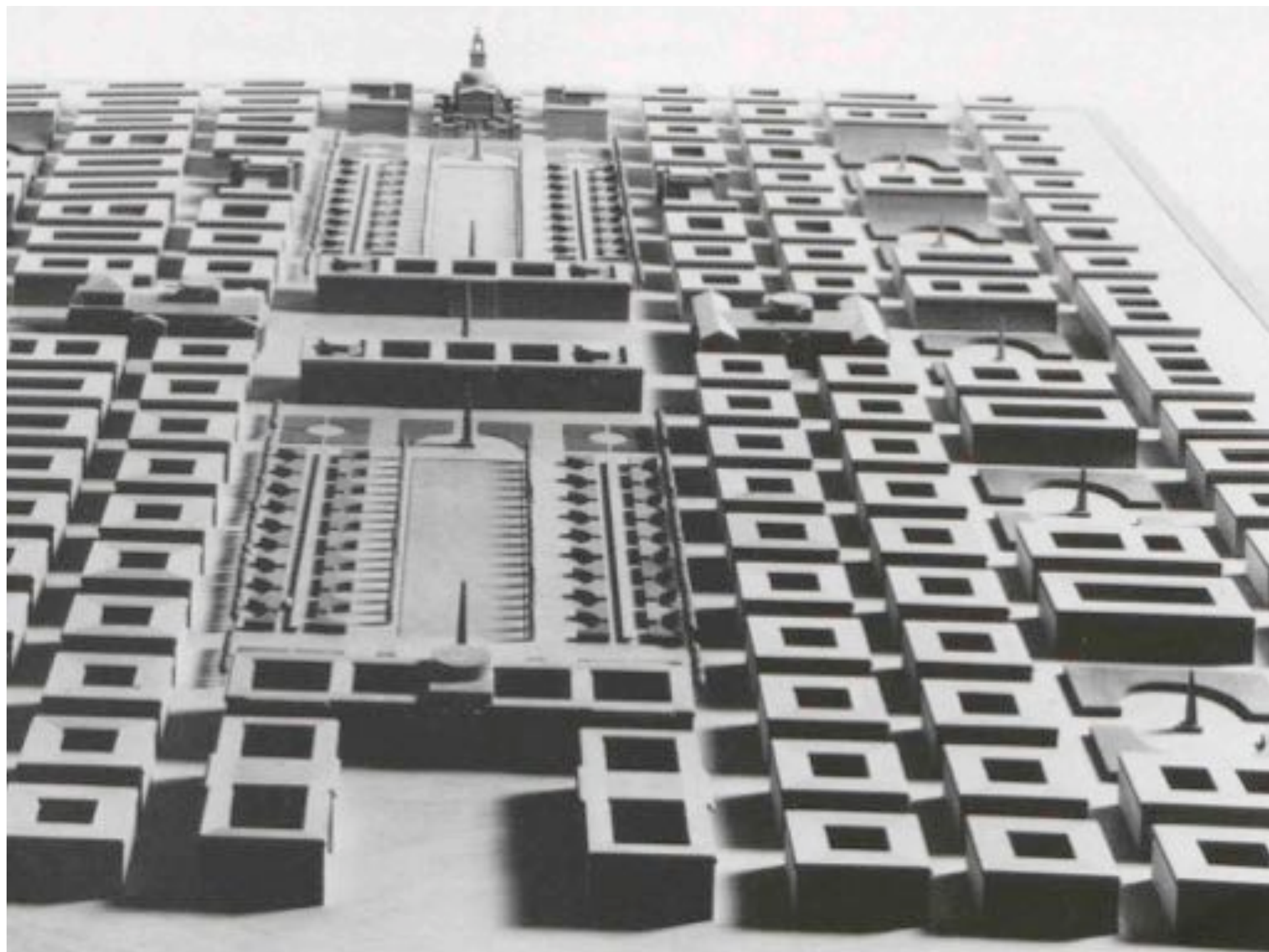
XXII. WIENER GEMEINDE-BEZIRK.

5/9 HEKTAREN 50% VERBAUT
MIT CA. 30000 WOHNUNGEN
FÜR CA. 750000 EINWOHNER



Otto Wagner, „Die Großstadt“, XXII. Wiener Gemeinde-Bezirk, 1911

Otto Wagner's plan for a growing Vienna - 1911



Vienna: A city for 4 million people

- Grand plans: unrealised;
- Infrastructure projects: built
 - Flood control;
 - Water supply;
 - Railway and tram network;
 - Parks and Open Space;
- These (overbuilt) infrastructure projects are the foundation for Vienna's liveability today.



Rote Wien: Social Democracy

A city for the people

Post World War I

- Housing
- Social Programs
- Infrastructure

Rote Wien: Legacy

- Expectation of extremely high quality government services and programs:
 - Housing – over 225,000 apartments owned by the City of Vienna;
 - Public transport – world leader;
 - Culture – at all levels from world class to neighbourhood programs.
- Is it too expensive?

Example: Vienna Public Transport

A “brute force” approach to public transport:

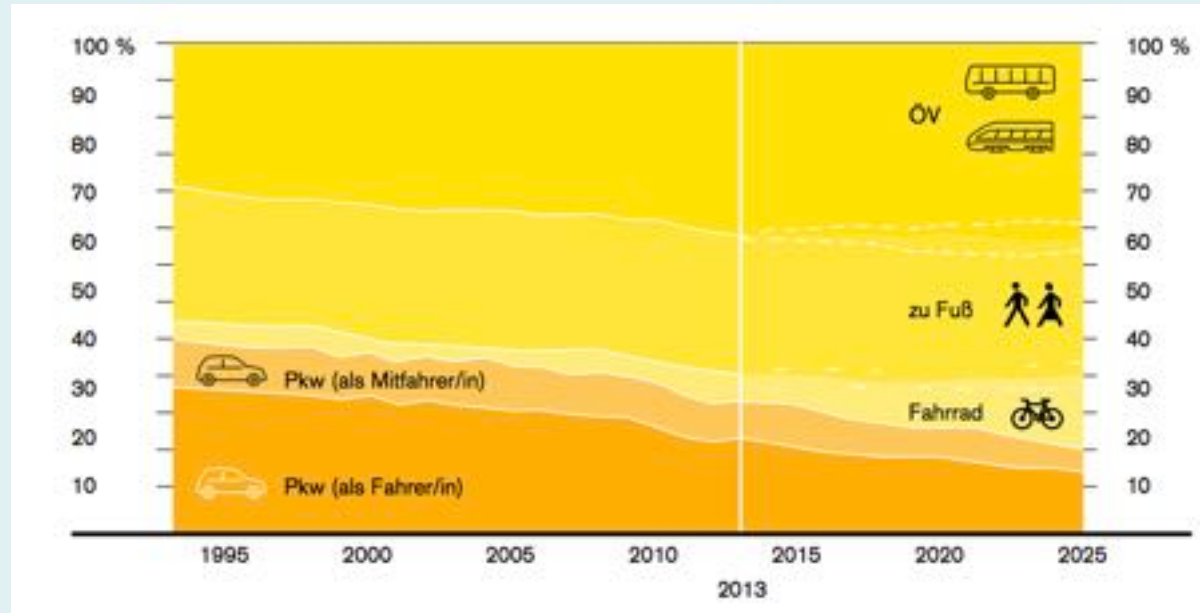
- U-Bahn
- Trams
- Sustainable transport
- Livable neighborhood planning

Excellent policies, but difficult to implement politically.

Vienna: Transport statistics

Mode Split Goal:

**75% Sustainable
Transport by 2020.**



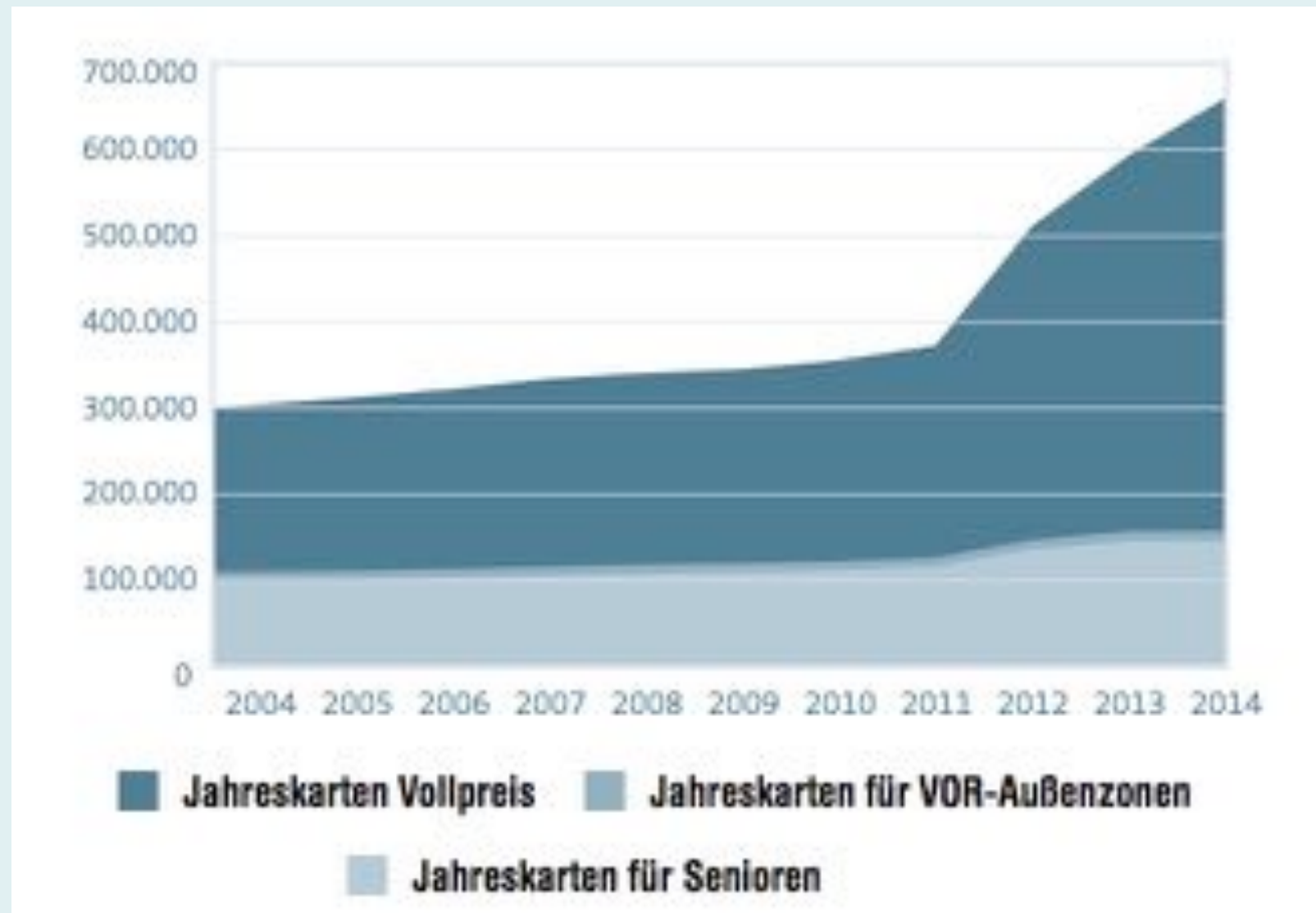
Public transport trips per day: ... 2.5 million

PT Trip mode: ... 64% U-Bahn, 22% Tram, 14% Bus

Annual PT trips per resident: ... 530

Number of yearly passes sold: ... 650,000

Vienna: public transport annual tickets



Vienna: Regional public transport network





Karlsplatz Stadtsbahn
Station by Otto Wagner.

Vienna U-Bahn



- U-Bahn is most important part of Vienna PT system.
- Joint City-Federal funding and planning.
- Many sections are built on historic railway lines.

Vienna: U-Bahn



**ETWAS UNPRAKTISCHES
KANN NIE SCHÖN SEIN.**

**WHAT IS IMPRACTICAL
CAN NEVER BE BEAUTIFUL.**

OTTO WAGNER

Vienna Trams



- Historic network (not replaced by buses).
- Interchange stations on Ring and exclusive ROW.
- New tram line extensions.

Vienna: Trams



Contra-flow lane on the Ring



Shottentor transfer station

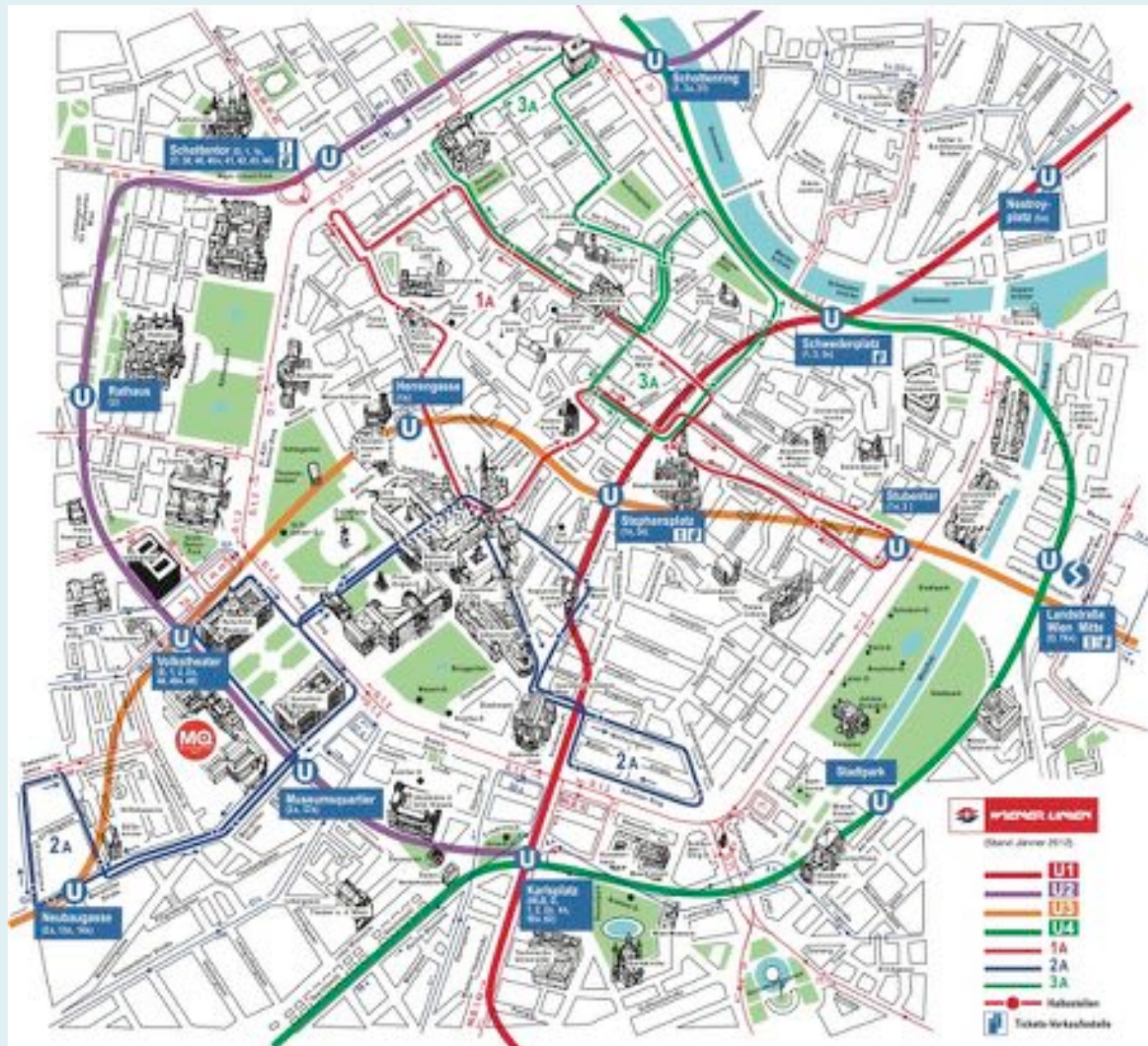


Ultra Low Floor (ULF) Tram



Tram/bus exclusive lane

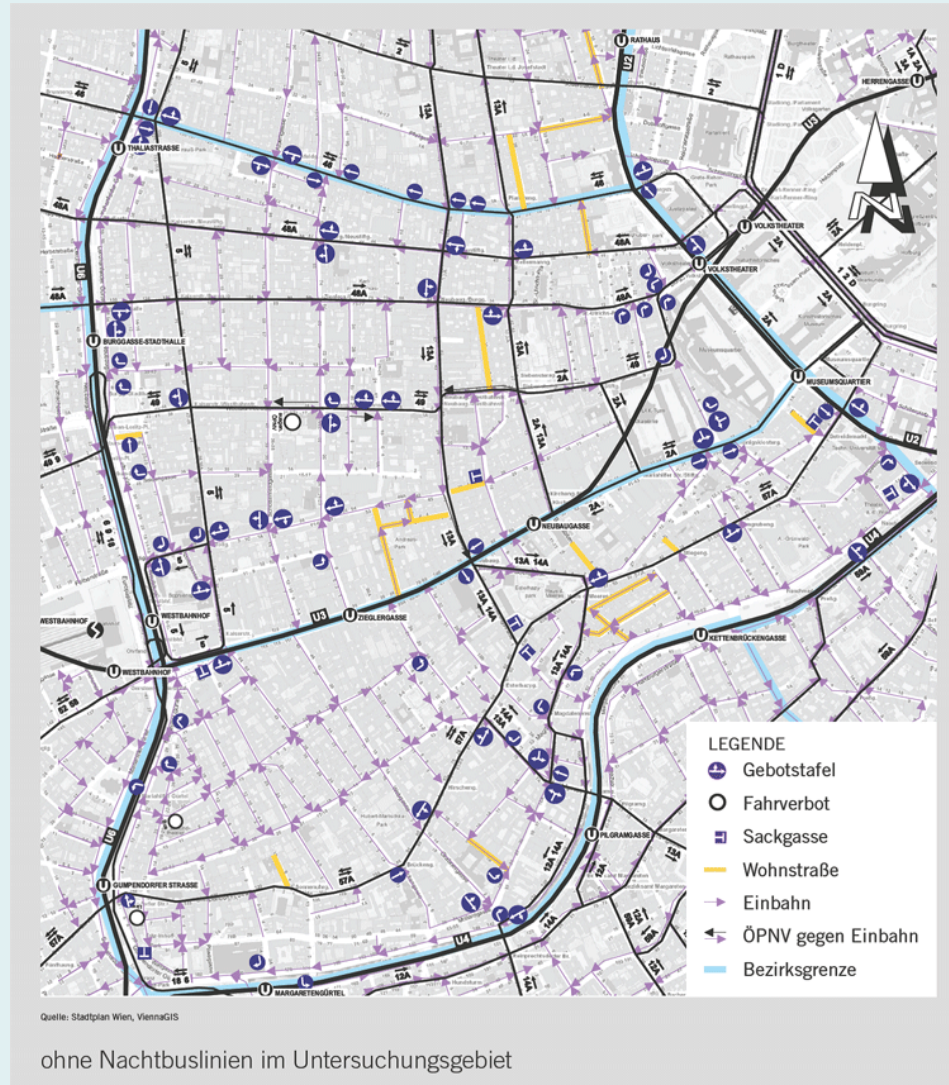
Vienna: City center public transport



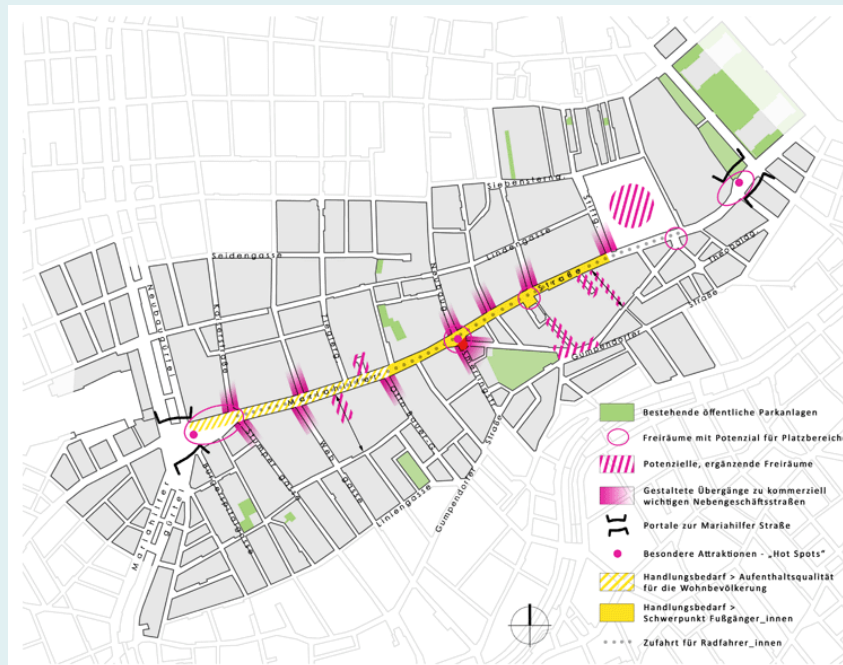
Neighborhood traffic regulations



Traffic regulations used to provide priority for public transport and create livable neighborhoods.



Public participation: Mariahilferstrasse







A New Hope - Zurich

- Initiatives and public participation.
- A systematic approach for increasing public transport efficiency:
 - Public transport priority
 - S-Bahn regional rail system (commuter rail)
 - Coordinated ticketing and schedules
 - Sustainable mobility program
 - Low cost and high economic benefit
- World's most livable city.

Zurich

Economy

- **Generates 20% of Switzerland's GDP**

Population

- **City: 378,000**
- **Metropolitan area: 1.68 million**
- **Greater Zurich Area: 3.2 million**
- **City Area: 91.9 km²**

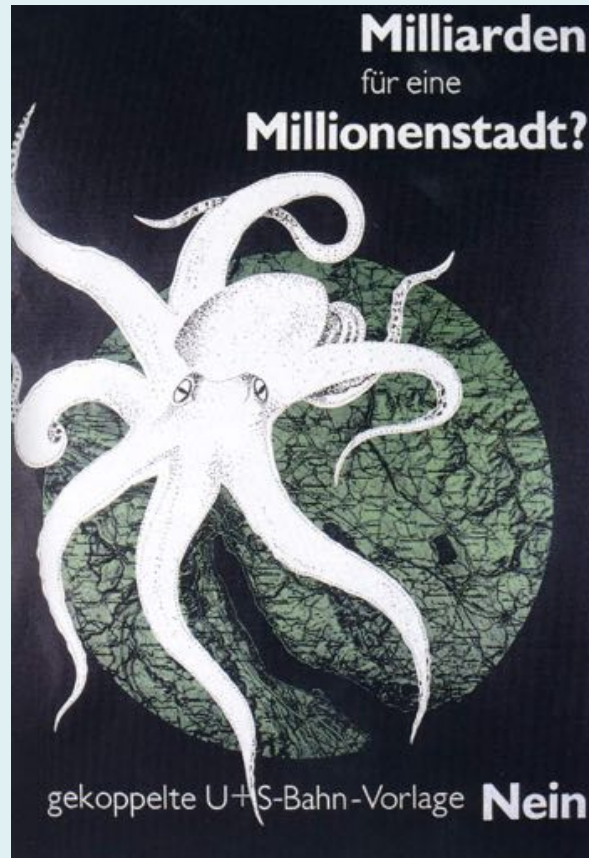
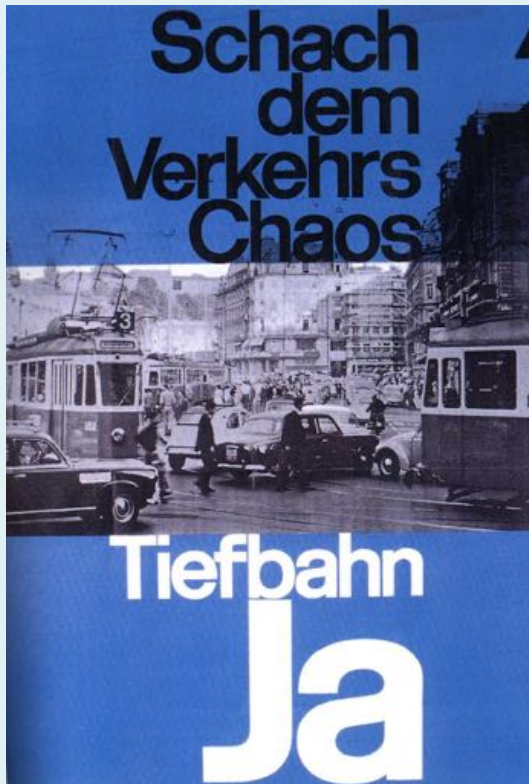
Transport

- **Motorisation: 376 Cars / 1000 Inhabitants**
- **Public transport network: 288 km**
- **Street network: 740 km**
- **Bike route network: 340 km**
- **Parking: public ground 51,000 ... private 220,000**

Zurich: Public transport stuck in traffic



What's to do?



Direct Democracy: Ballot Initiatives

- Tiefbahn (underground trams) – Defeated 1962
- U-Bahn/S-Bahn construction – Defeated 1973
- People's initiative for public transport – Approved 1977
- S-Bahn and ZVV (coordinating agency) – Approved 1981

The Zurich Model: *Public transport priority implemented systematically throughout the network.*



Exclusive public transport lanes



Signal priority – innovative approach



Incident management / control centre

Results:

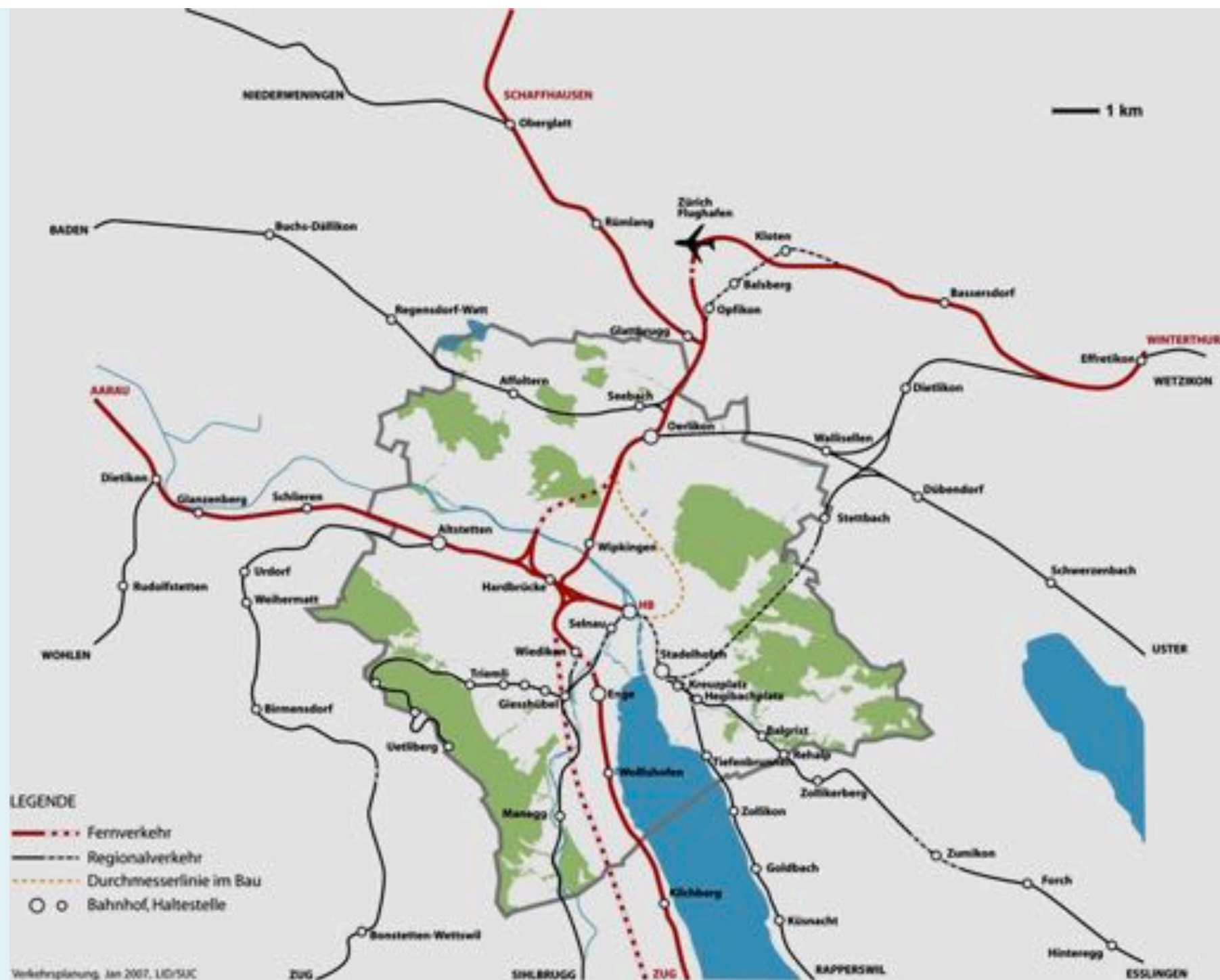
- Faster travel times
- Improved reliability
- Increased patronage
- Reduced costs

Regional Rail Network (S-Bahn)

- Opened in 1990
- Cost 2 billion CHF
- 420 km network
- 26 lines, 176 stops
- 950 trains per day
- Express & local trains
- 380,000 pass/day (city line)
- Ridership up 143% since 1990.
- System being expanded.
- Key problem: railway capacity.

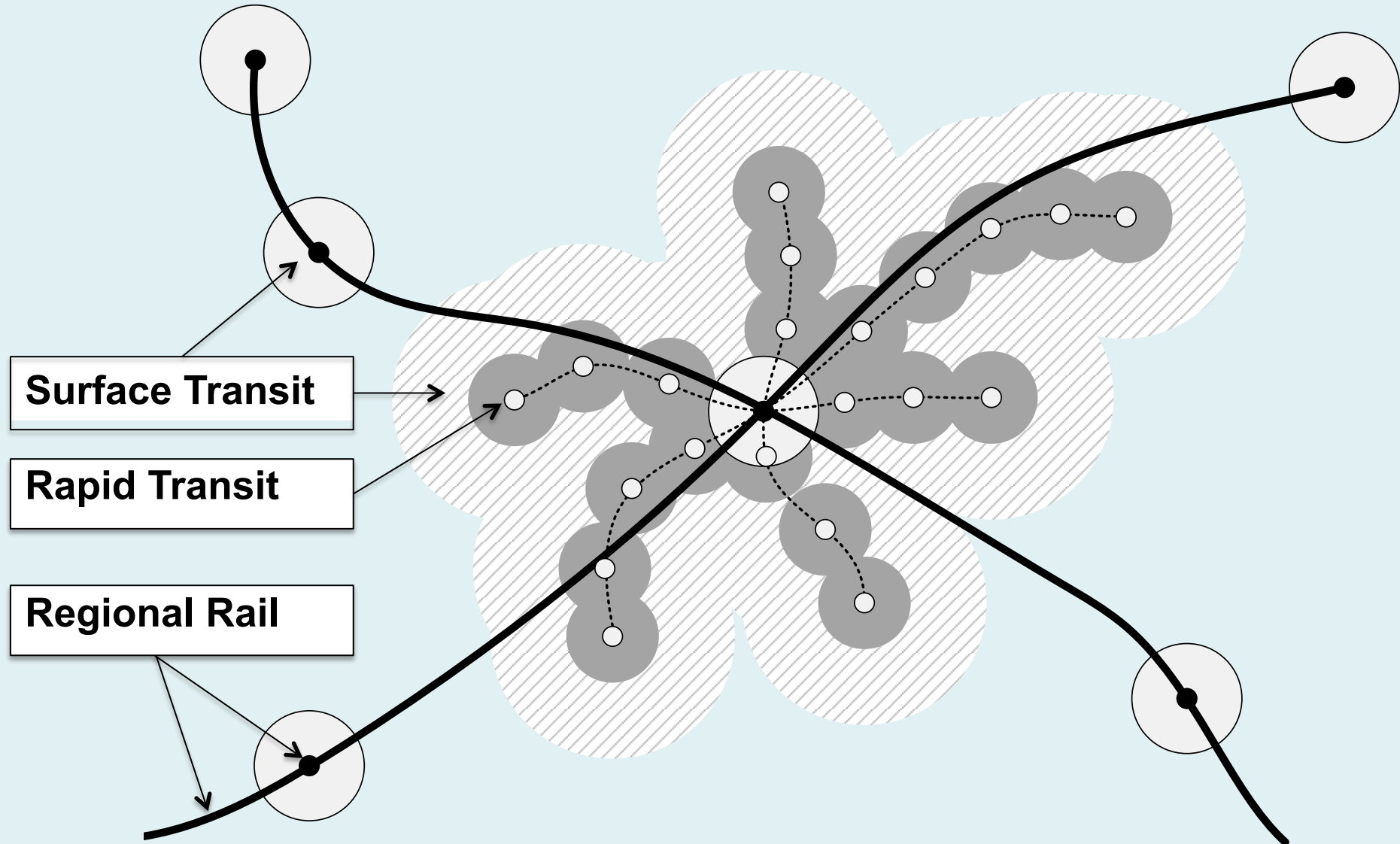


Photo: © SBB



Infrastructure + Market Areas:

Traditional public transport: 3-level system



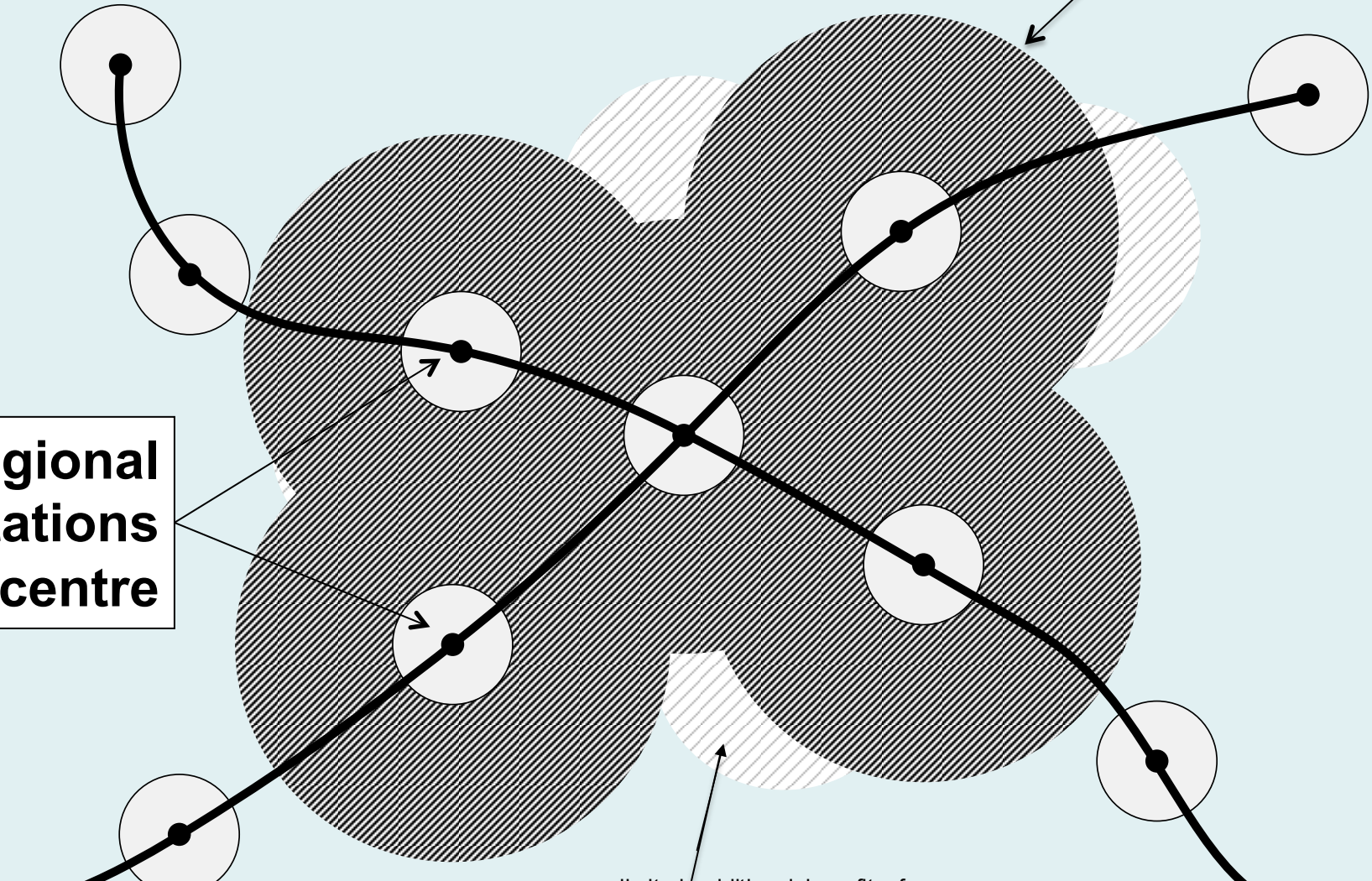
Infrastructure + Market Areas

Zurich's 2-level System

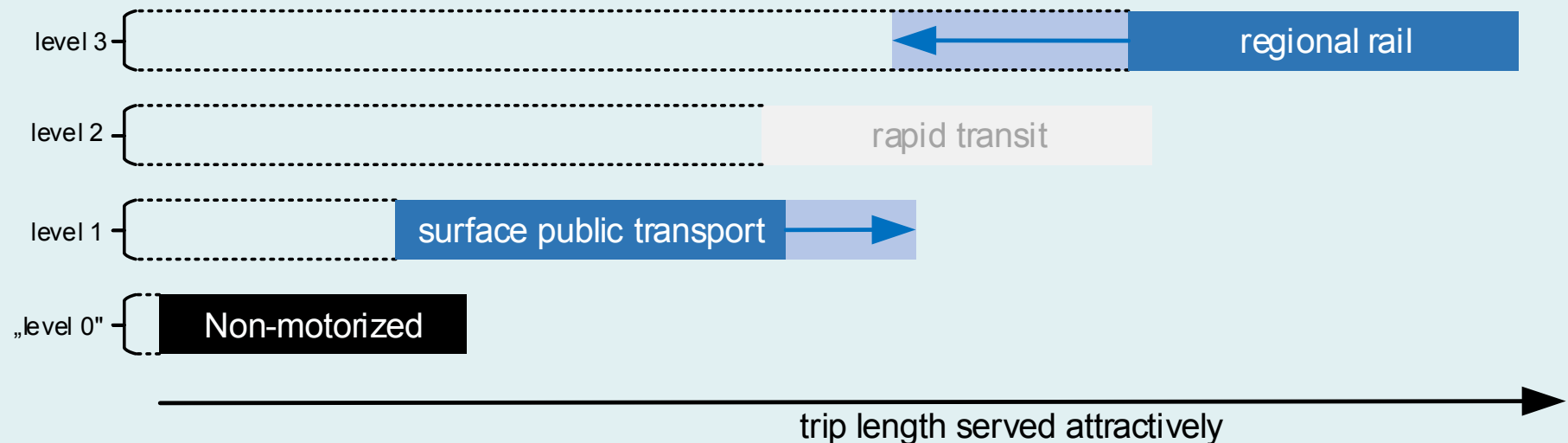
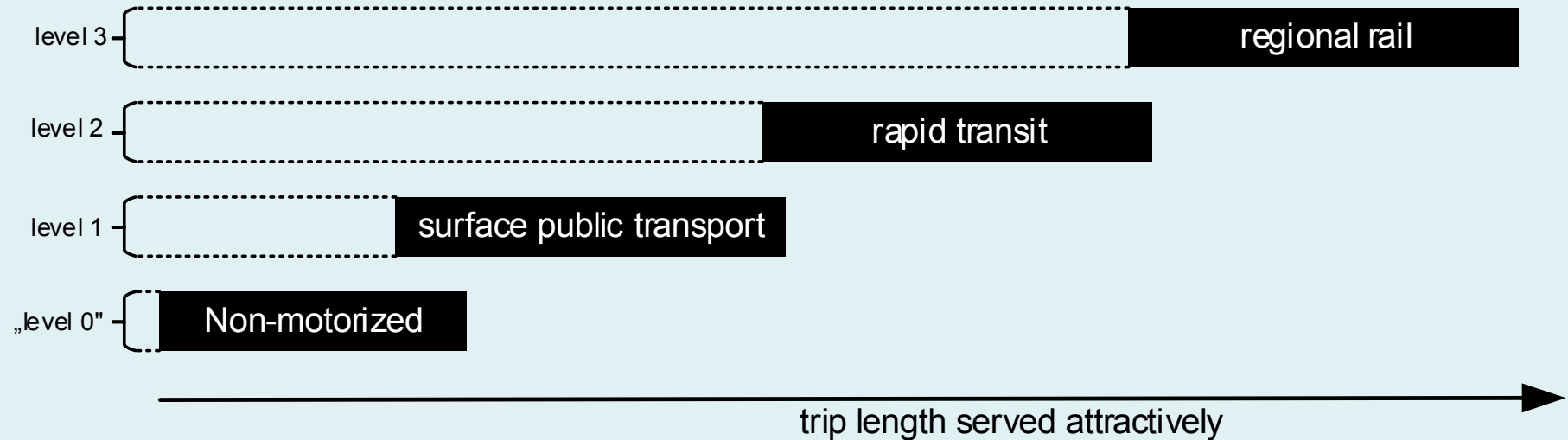
Faster surface
public transit

More regional
rail stations
in centre

Limited added benefit of 3-level network



Functional Coverage Diagram: 3 vs. 2-level system





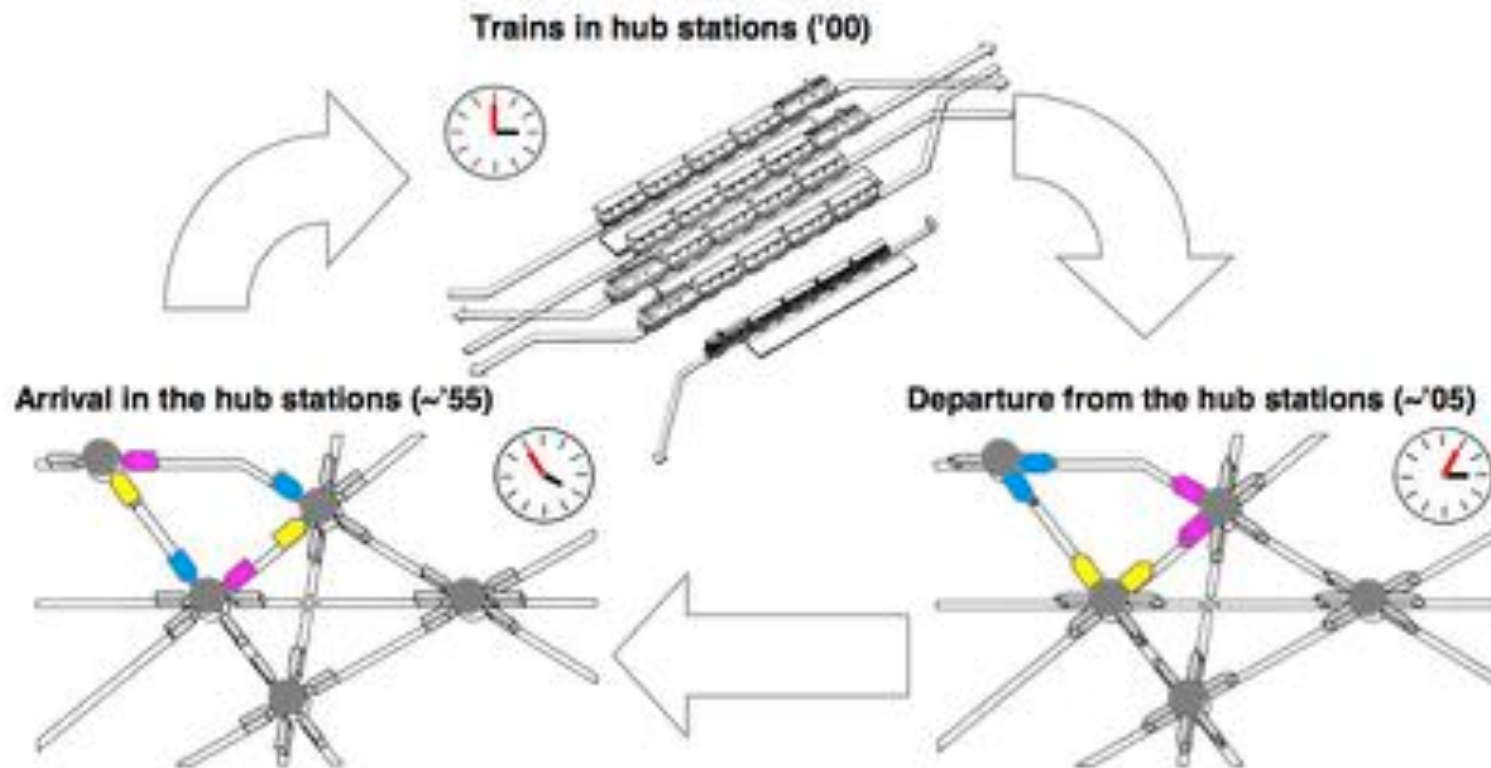
Source: ZVV

Public Transport **Coordination** in Switzerland

- Coordinated **fares and common tickets**
- Coordinated **schedules**
- Coordinated **interchange locations**

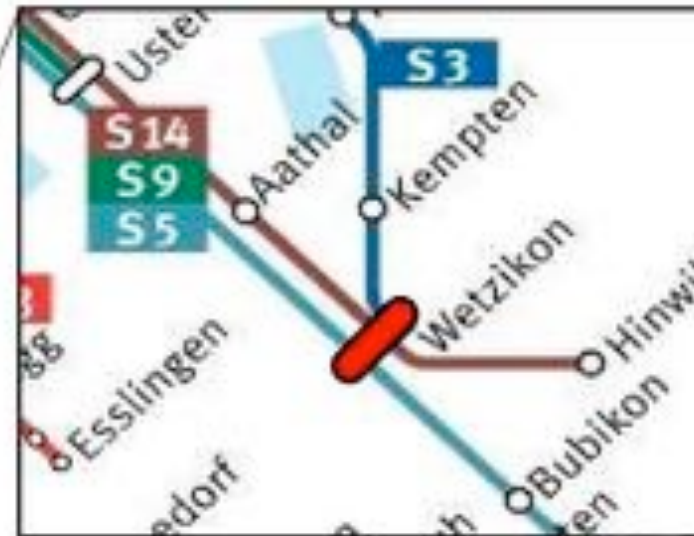
Coordinated Schedules (Taktfahrplan)

How does the network of hubs work ?



Source: SMA + Partner

Regional hub example: Wetzikon (rail)



Meeting of 3 lines every 30 minutes :

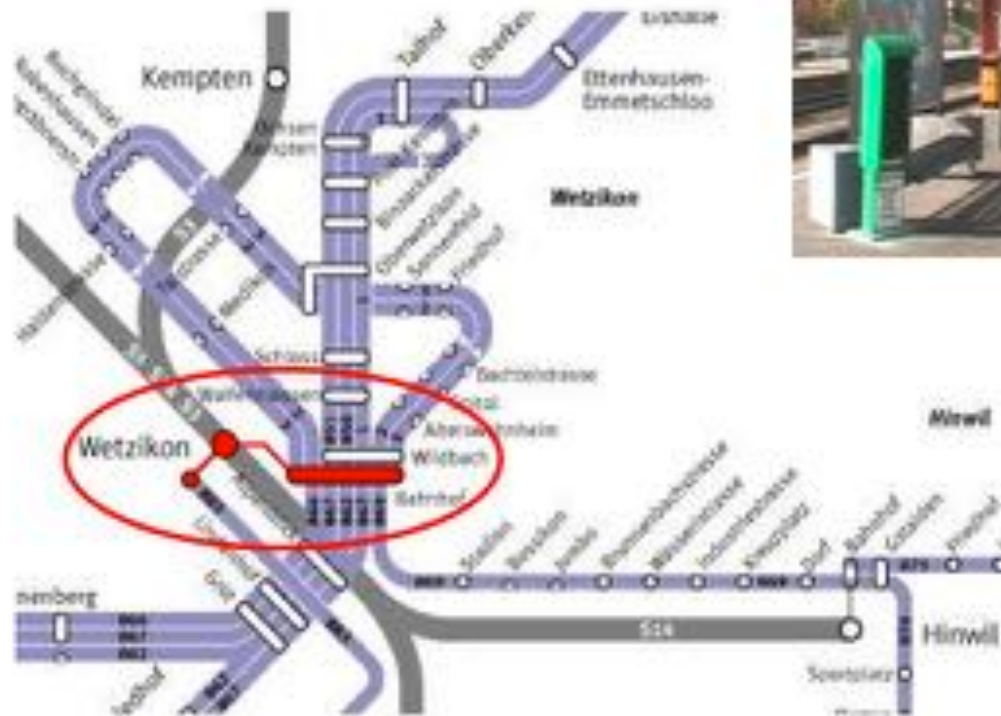
S 5 *rapid line*

S14 *local rail line*

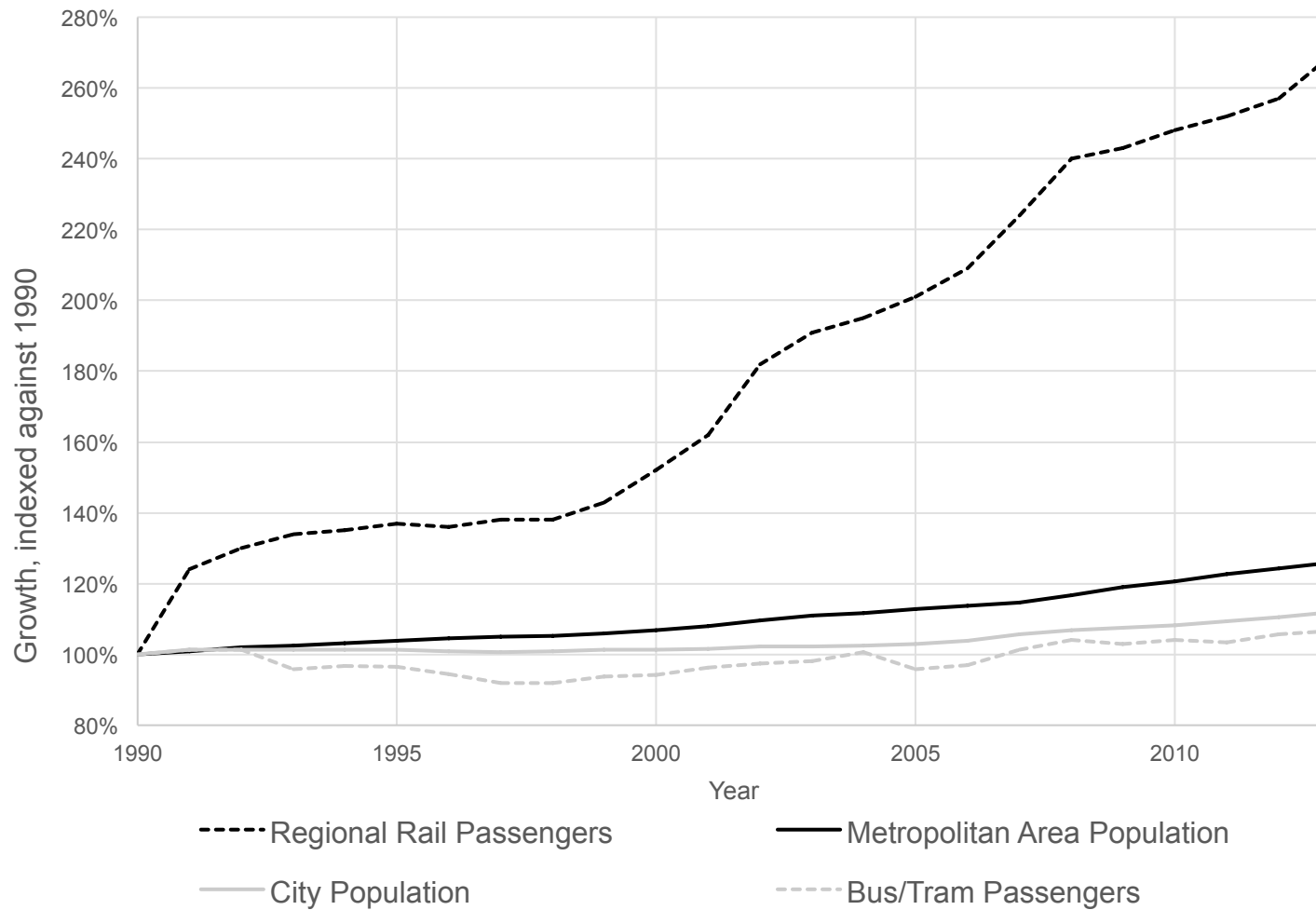
S 3 *local peripheral line*

Regional hub example: Wetzikon (bus)

Many local and regional connecting bus lines



Zurich: PT ridership vs. population



Zurich's sustainable mobility program

- Promote public transport
- Reduce and regulate parking
- Reduce private automobile traffic
- Improve conditions for pedestrians and bikes
- Develop ways to co-exist (shared space)
- Repair urban damage (freeway tunnels)
- Promote sustainable transport (behavior change)
- Network and share information with other cities

Reduce auto traffic: control traffic flow

- Traffic signals used to control how much traffic enters the city.
- Less traffic reduces congestion for public transport.
- Like ramp metering for the whole city, makes all traffic flow more efficiently.



Advertisement: parking control officers!



Equal Opportunity Humor

Dear ladies: there are still men, who are on-time, gallantly open the door for you and will “un-aggressively” bring you home afterwards.



Liebe Frauen: Es gibt noch Männer, die pünktlich sind, galant die Tür aufmachen und euch nach dem Ausgang unaufdringlich nach Hause bringen.

Zurich Lessons

- Public support is critical (U-Bahn initiative)
- Residents have good ideas (prioritization)
- Street space must be allocated
- Efficiency can work (high quality PT)
- Coordination can be implemented
- Clever ideas beat infrastructure (PT Priority and S-Bahn)

The fight continues ...

Congestion in Zurich

- Increased travel times
- Lower reliability
- Higher costs



Centre city delays have added 32,000 hours/year to travel time and increased operating costs by CHF 8 million.

The Phantom Menace – San Francisco

- **Congestion!**

San Francisco

Economy

- **Creative & economic centre of information technology worldwide.**

Population

- **City: 852,000 +**
- **Metropolitan area: 8 million**
- **City Area: 121 km² (metro 9,120 km²)**

Transport

- **Public transport mode split: 33% (city) 10% (region)**
- **SF Muni ridership 273 trips per capita annually**
- **SF Muni average speed: 13 kph**

San Francisco Freeway Plan

Typical of the standard American approach to urban transport planning in the 1950s – 1960s.





San Francisco Freeway Revolt

Spurred by freeway construction and the environmental movement.





Loma Prieta Earthquake – October 17, 1989

San Francisco Central Freeway



Political Process

- 1997: Rebuild – Passes
- 1998: Replace with boulevard – Passes
- 1999-a: Rebuild – Fails
- 1999-b: Replace with boulevard – Passes

The politics had little to do with transportation or urban development.

No freeway = congestion and no people!



Induced traffic: if you build it they will come.



San Francisco Lessons

- Transport is highly political.
- Congestion is not really a problem.
- Removing freeways does not necessarily increase congestion ...
- ... But can significantly increase liveability and economic development.

Return of the Jedi – New York



Michael R. Bloomberg
Mayor



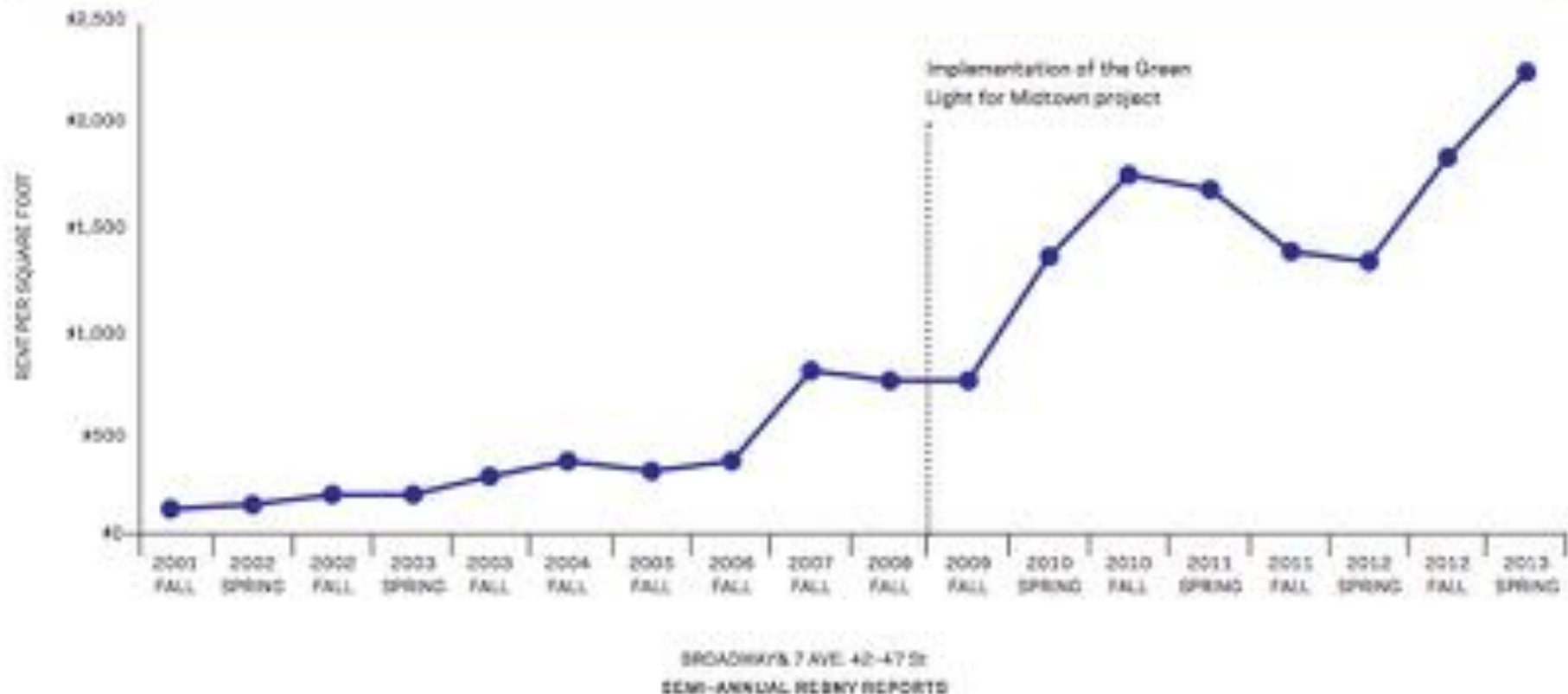
Janette Sadik-Kahn
Transportation Commissioner



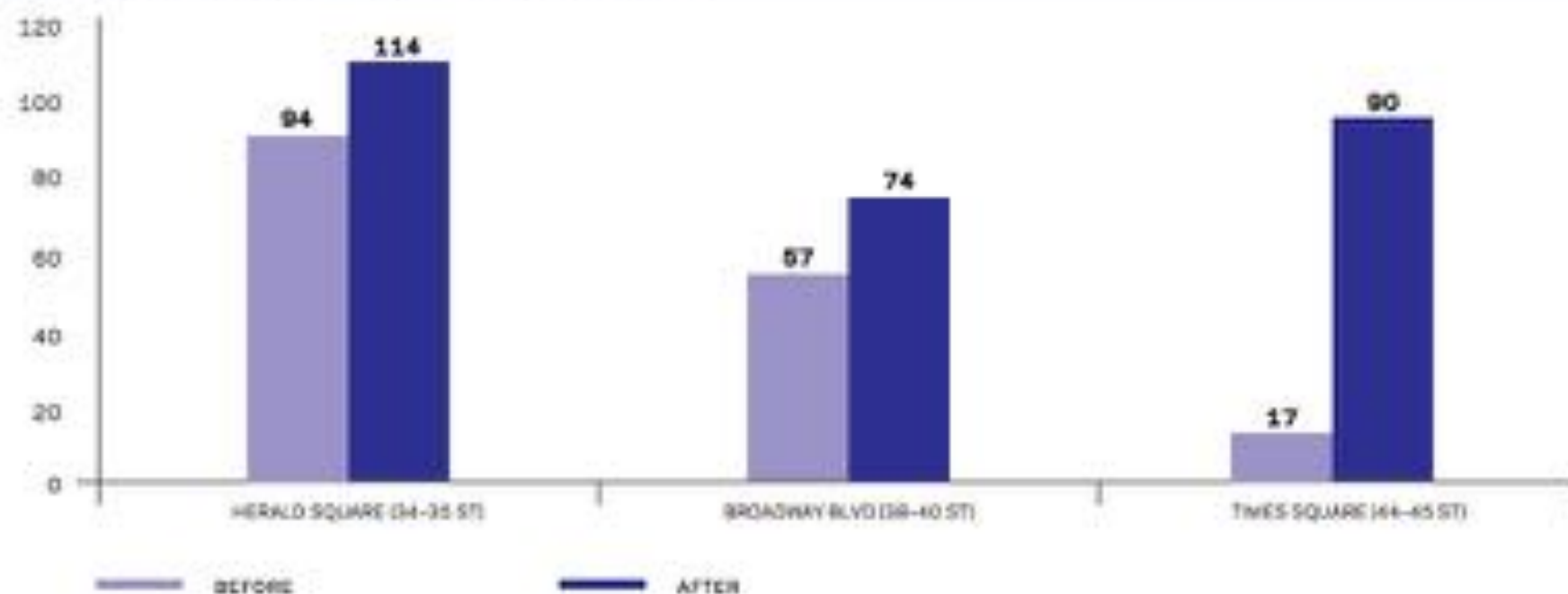


Experimentation and data driven learning

AVERAGE ASKING RENT: TIMES SQUARE



AVERAGE STATIONARY POPULATION (PERSONS OBSERVED)



Lessons from New York

- Political courage
- Imagination and creativity
- Temporary measures and paint
- Data collection and evaluation
- Learning and improving

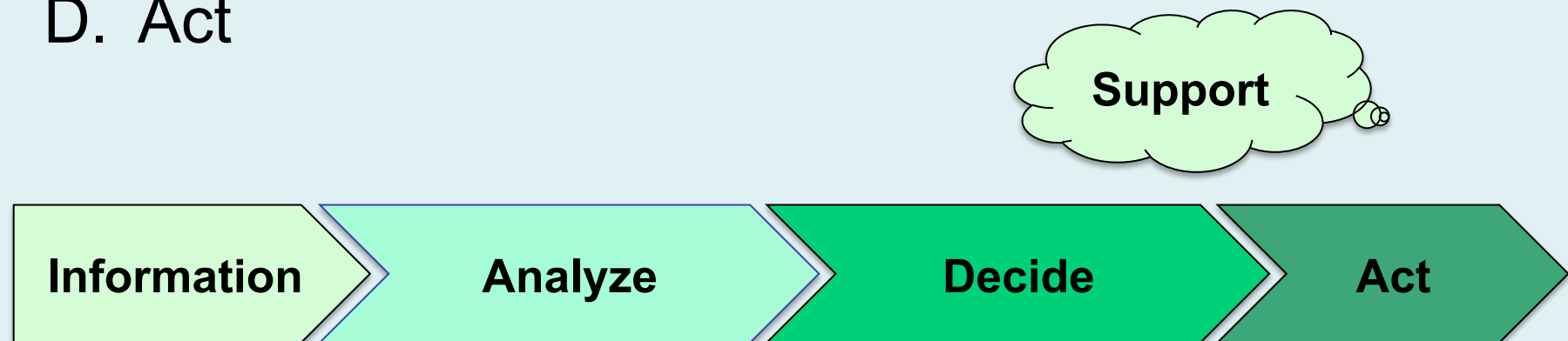
If planning change can happen there it can happen anywhere ... it's up to you NY, NY!

The Force Awakens: Participation

- Information technology has *vastly increased* the ability of people to participate;
- This increased ability to participate is *revolutionising* society ...
- ... especially how we plan and “operate” cities.

How do people plan and “operate” cities?

- A. Provide information & ideas
- B. Analyze data
- C. Decide (people collaborate)
- D. Act



A. Input: *simple and ubiquitous*

- Social media
- Reporting applications
- Sensor data

The image is a screenshot of the Chicago Transit Authority (CTA) Twitter feed. On the left, there is a vertical sidebar with a stylized map of Chicago's transit lines, featuring green circles at station locations and a blue bus icon. The main content area is divided into several sections. At the top, there is a navigation bar with icons for Home, Connect, Discover, and Me, along with a search bar and settings. Below this, a 'Tweets' menu lists options: Tweets, Following, Followers, Favorites, and Lists. A 'Tweet to cta' section includes a text input field with the handle @cta. The central part of the feed displays a grid of six photos showing various transit scenes, with a 'View all photos and videos' link below. To the right of the grid, statistics for the account are shown: 6,907 tweets, 52 following, and 22,042 followers, with a 'Follow' button. The bottom section, titled 'Who to follow', lists three suggested accounts: Streetfilms, Future Mobility Now, and Daniel W. Cole, each with a 'Follow' button. The rightmost section of the interface shows the 'Tweets' feed, which includes three tweets from the CTA account. Each tweet features the CTA logo, the text of the tweet, and a timestamp. The first tweet, posted 19m ago, states: '79 79th buses are temporarily rerouted via 79th, Ashland, 83rd, Damen, and 79th. Expand'. The second tweet, posted 14m ago, states: 'Some 95th-bound Red Line trains are operating with delays after earlier fire department activity at Sheridan. Service is resuming. Expand'. The third tweet, posted 10m ago, states: '95th-bound Red Line trains are experiencing a delay at Sheridan due to fire department activity. Expand'. The final tweet, also 10m ago, states: 'The temporary reroute of 3, 4, 6, 14, 10, 126, 130, 146, 147 buses near Grant Park has ended. Expand'.

Home Connect Discover Me Search

Tweets
Following
Followers
Favorites
Lists

Tweet to cta
@cta

View all photos and videos

Who to follow - Refresh - View all

Streetfilms @Streetfilms
Followed by Aimee Qualls and oth...
Follow

Future Mobility Now @FutureMob
Followed by BestPracticeMobility ...
Follow

Daniel W. Cole @transPR
Followed by Karen Quinn Fung an...
Follow

cta
Official Twitter feed of the Chicago Transit Authority (the CTA!)
Chicago, IL - <http://www.transitchicago.com>

6,907 TWEETS 52 FOLLOWING 22,042 FOLLOWERS Follow

Tweets All / No replies

cta cta
79 79th buses are temporarily rerouted via 79th, Ashland, 83rd, Damen, and 79th.
Expand 19m

cta cta
Some 95th-bound Red Line trains are operating with delays after earlier fire department activity at Sheridan. Service is resuming.
Expand 14m

cta cta
95th-bound Red Line trains are experiencing a delay at Sheridan due to fire department activity.
Expand 10m

cta cta
The temporary reroute of 3, 4, 6, 14, 10, 126, 130, 146, 147 buses near Grant Park has ended.
Expand 10m

Chicago Transit Authority – Twitter Feed

Report an Issue

Follow this Place

Sort by: Hotness

2 **Graffiti - Public - Other_enter_additional_details_below** **Acknowledged**
290-298 7th St San Francisco, CA 94103, USA - South Of Market
reported about 8 hours ago
SF311 about 8 hours ago
Your request to SF311 has been accepted. Your service request ID is 992366
Join the conversation!

2 **Garbage and/or overgrowth near building** **Acknowledged**
142 Brighton Ave San Francisco, CA 94112, USA - Ingleside
reported about 9 hours ago
SF311 about 9 hours ago
Your request to SF311 has been accepted. Your service request ID is 992336
Join the conversation!

2 **Graffiti - Public - Other_enter_additional_details_below** **Acknowledged**
Ocean Ave & Agate Ave San Francisco, CA 94127, USA - Ingleside
reported about 9 hours ago
SF311 about 9 hours ago
Your request to SF311 has been accepted. Your service request ID is 992333
Join the conversation!

2 **Illegal_Dumping** **Acknowledged**
1927 Alameda Blvd San Francisco, CA 94112, USA - Outer Mission
reported about 15 hours ago



Top Users Who's Watching

- Endav
- Raph
- Neighborhoods
- hubbert
- endapop

More Top Users Nearby >

SeeClickFix

<http://seeclickfix.com>



FixMyTransport

Euston, we have a problem

BETA

[ABOUT](#)

[FEEDBACK](#)

[mysociety](#)

[DONATE](#)

[OUR SITES](#)

[Sign in or sign up](#)

Had a bad train journey?

Report your problem with a:

STOP or STATION

JOURNEY or ROUTE

and we will help you get it fixed



Follow us on Facebook



Follow us on Twitter

[How does it work?](#)

What FixMyTransport does

- Reports problems
- Finds people responsible
- Grows support
- Tracks progress
- Gets things done

FixMyTransport Launches!

Welcome to FixMyTransport, a site specially built for public transport users in Britain who want to make public transport better for us all. We've worked hard to make the site work well, but we're sure there are plenty of things we won't have got quite right - so please do [send us feedback](#) if there's anything that's not right, or anything you'd like to see added or improved.

If you're here and you don't have a problem to report today, why don't you [look through the list](#) of recent problem reports, or [browse your local area](#). If you're feeling sunny you could even leave a compliment about a route or station that you think is particularly



Browse Site

[View recent issues](#)

[View routes by region](#)

[Map of issues](#)



Traffic Check

<http://www.trafficcheck.at/>

User friendly features needed for mobile phone reporting:

- automatic geo location,
- logical information flow,
- check boxes for data entry.



Meine Radspur, Vienna

<http://www.meineradspur.at/>



What's Street Bump?

Street Bump is a crowd-sourcing project that helps residents improve their neighborhood streets. Volunteers use the Street Bump mobile app to collect road condition data while they drive. The data provides governments with real-time information to fix problems and plan long term investments.

[Learn More](#)

Where is Street Bump being used?

1,837 trips recorded, 102,506 bumps detected

17 bumps reported in Boston, Massachusetts about 15 hours ago



Street Bump, Boston

<http://streetbump.org/>



Get the best route,
every day, with real-time
help from other drivers.



Waze is the world's fastest-growing community-based traffic and navigation app. Join other drivers in your area who share real-time traffic and road info, saving everyone time and gas money on their daily commute.

[Download](#)[Tour](#)[Contact](#)

Want to choose the
fastest, least crowded
route every time?
**moovit - social GPS for
public transport**



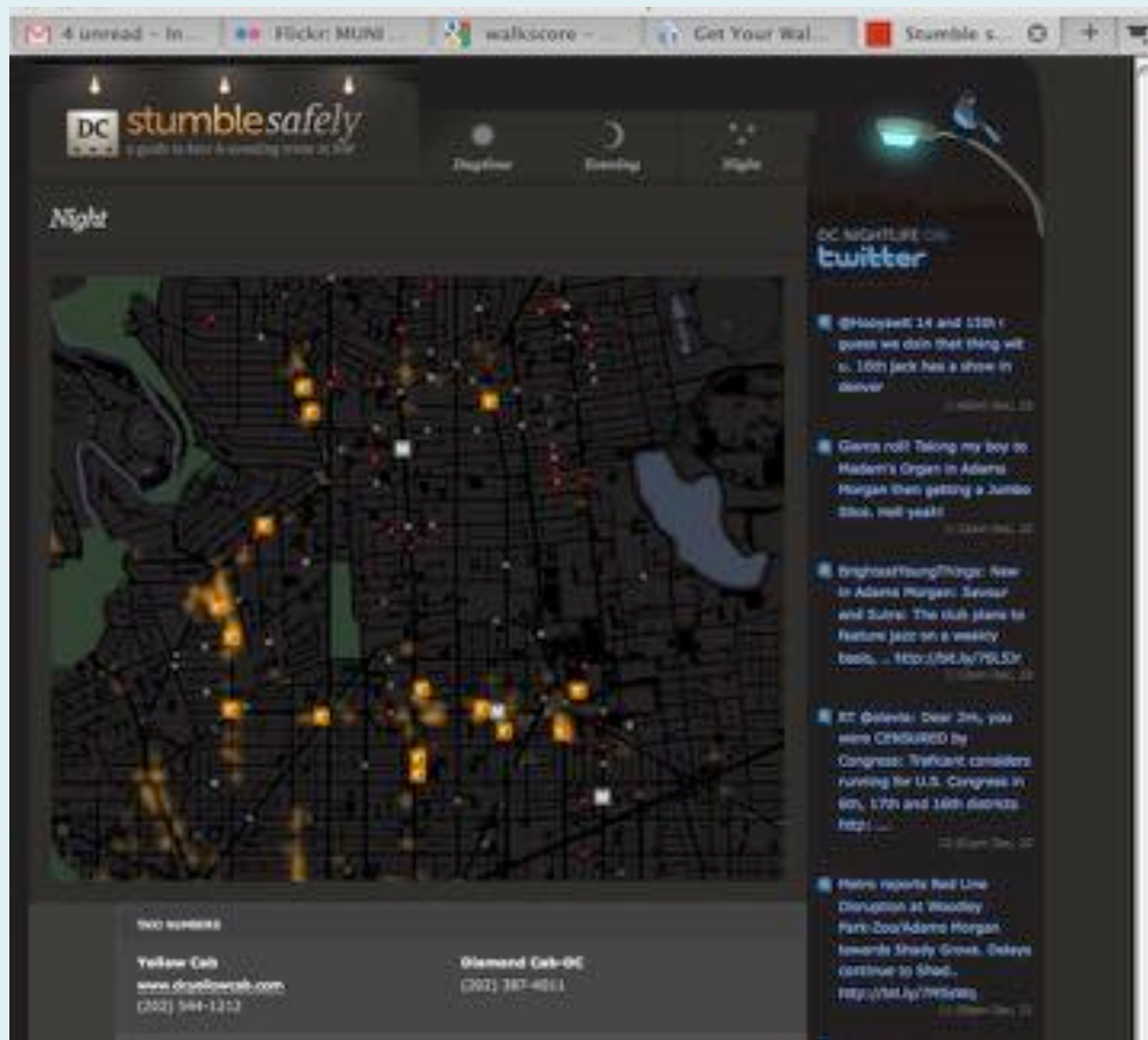
Moovit is a community-based app that takes the hassle out of public transport. No more checking the schedules for the bus, train, tram or metro. Join your local community of users to receive and share real-time information about your trip and navigate easily to your destination.

Free Download




B. Data: *you can't hide*

- **City data** – open data or scraped.
- **Citizen data** – cheap sensors.





**Citizen developed apps and visualizations from open data.
Stumble Safely, Washington D.C.**

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What is WayCount?

WayCount is a hardware and web platform for crowdsourcing automobile and bicycle traffic count data.

WayCount was created with the belief that when we collectively gather and share traffic count data, together we can create a leap in understanding the movement patterns of automobiles and bicycles worldwide. As a result, we can positively influence transportation design decisions and create better cities.

The WayCount device works like other traffic counters, but has two key differences: **lower cost** and **open data**. At 1/5th price of the least expensive comparable product, the WayCount device is affordable. The [WayCount Data Uploader](#) allows you to seamlessly upload and map your latest traffic count data, making it instantly available to anyone online.

What Does WayCount measure?

WayCount measures and records the following four parameters:

- The **quantity** of automobiles and bicycles

Why Count Traffic?

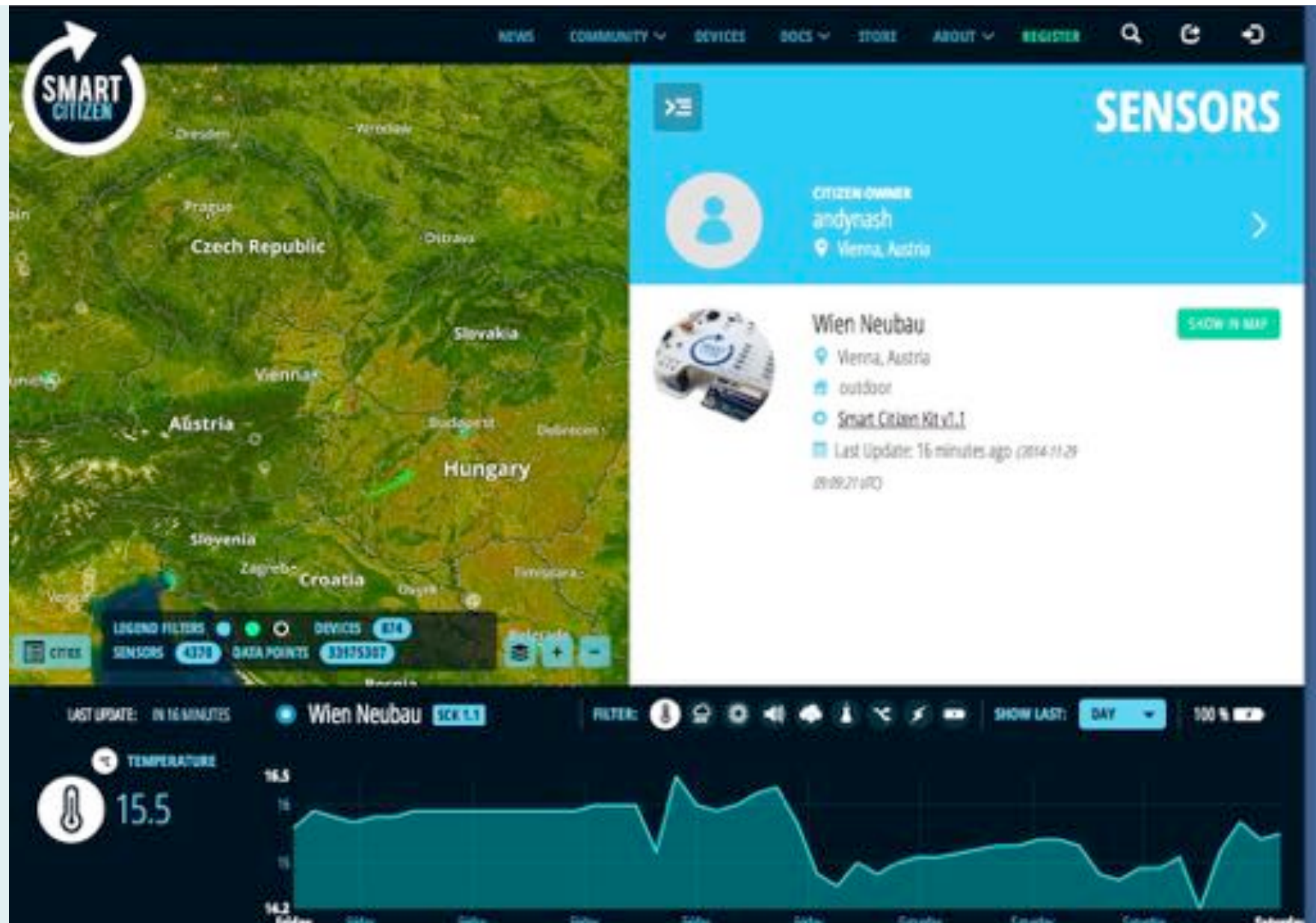
Data is Power. Collectively, the WayCount user community has the potential to build a rich repository of traffic count data for busy boulevards, bike paths, alley ways, neighborhood streets, and any other traffic path that deserves measurement. With a better understanding of automobile and bicycle ridership patterns, we can inform the design of better cities and towns.

WayCount is an important addition to the process of measuring the impact of transportation design, and creating livable streets by adding bicycle lanes, public spaces, and developing smart transportation management systems. By creating open-data, we can increase governmental transparency, and provide constituencies with the essential data they need to advocate for rational and necessary improvements to the design, maintenance, and policy of transportation systems.

This information can be used in combination with, or separately from, conventional measurements like Annual Average Daily Traffic (AADT). AADT is a standardized indicator for measuring the rate of automobiles traveling down a street and is a value used by transportation engineers to help guide changes to

WayCount vehicle counter and software

www.waycount.com



Smart Citizen sensor and software

<http://www.smartcitizen.me/>

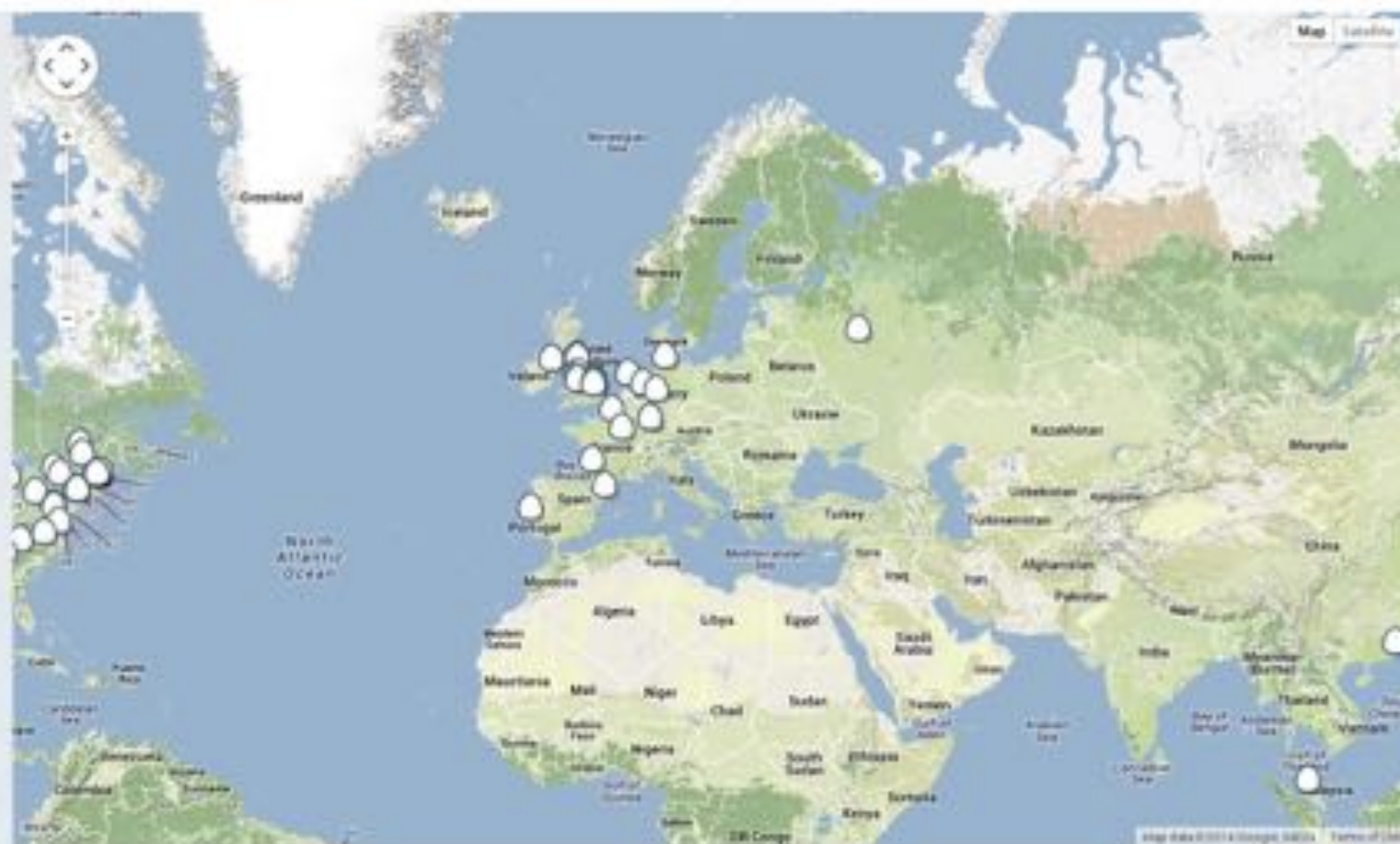


Air Quality Egg

community-led sensing network

Serial Number

ADD MY EGG

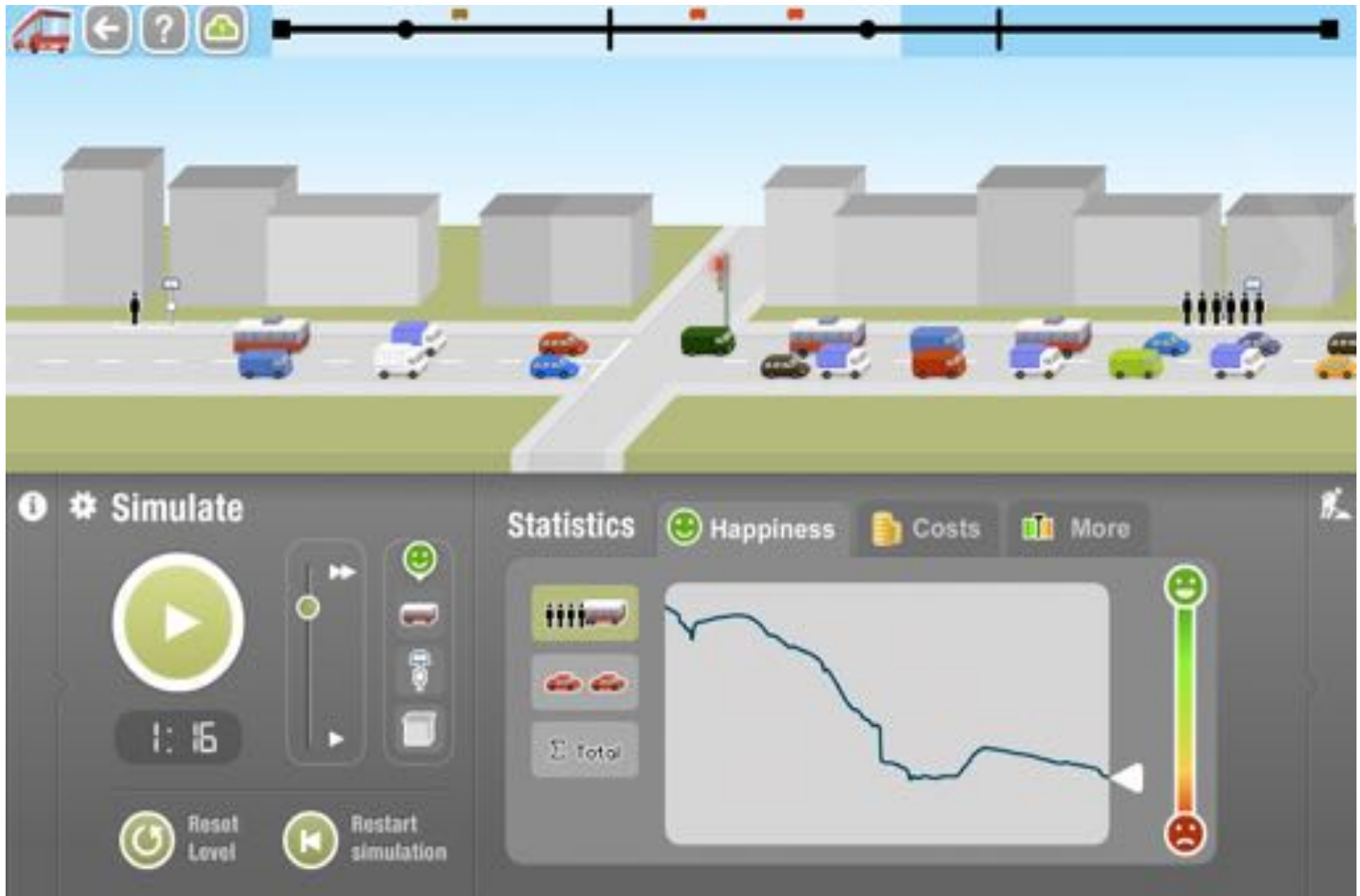


What is it?


A community-led air quality sensing network that gives people a way to participate in the conversation about air quality.

C. Decide: *collaborate efficiently*

- **Education** – city planning is complex
- **Better processes** – meeting management
- **Increased engagement** – more is better



BusMeister game ... public transport learning
<http://greencitystreets.com>



Improve Public Transport

- Wiki Home
- Recent Changes
- Pages and Files
- Members
- Settings

 Search

This wiki describes public transport priority; simple measures for improving public transport. Here are links to the main topics:

- Improve Public Transport!
- Table of Contents
- Case Study Cities
- PT Priority FAQ
- PT Priority Best Practices
- Organizations
- Photos & Videos
- Bus Meister Game

Please help improve the wiki by [adding information](#)

[edit navigation](#)

home

Edit 0 1

Improve Public Transport!



A traffic signal allows this Zurich tram to go ahead of private vehicles. (Source: Andrew Nash, 2002; click on photo for flickr group photos).

1. Introduction

This wiki presents recommendations for making public transport more attractive to customers and efficient to operate. Recommendations focus on relatively simple and inexpensive improvements that can be implemented quickly rather than more expensive and complicated measures like building new rail based systems (we leave these improvements to other web pages).

2. Recommendations

To improve public transport in your city:

- Speed-up the vehicle boarding process. How?
 - Use proof-of-payment fare collection;
 - Use low floor vehicles;
 - Improve vehicle design;
- Optimize station placement. How?
 - Reduce the number of stations/stops;

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- [About the Project](#)

Public Transport wiki ... crowd-sourced education

<http://greencitystreets.com>



Visualization ... Participatory Chinatown Boston

Using virtual reality to help residents understand city planning.

<http://www.participatorychinatown.org/>



Visualisation of street cross sections... **Streetmix**

Helping residents understand street design and trade-offs.

<http://streetmix.net>

The screenshot displays the homepage of the ImproveSF.com website. At the top, there is a navigation bar with links for 'Topics', 'Ideas', and 'About', along with a search bar and a 'Log In' button for existing contributors. A large video player in the center features a red lightbulb icon with a checkmark inside, and the text 'ADD YOUR IDEAS. SUPPORT GOOD IDEAS. SHARE WITH FRIENDS.' Below the video, there are buttons for signing up with Facebook, LinkedIn, and Google, and a link to sign up with a 'Mind Mixer' app. The main content area is divided into several sections: 'PROJECT DETAILS' on the left, 'Living Innovation Zones' in the middle, and 'CATEGORIES' on the right. The 'PROJECT DETAILS' section includes links for 'About the Project', 'How it Works', 'Who's Listening?', and 'Rewards Store', along with a language selector and a list of contributors. The 'Living Innovation Zones' section features a video player and a text-based challenge asking for innovative project ideas for Market Street. The 'CATEGORIES' section lists 'Neighborhood Stories' and 'Transportation & Mobility' challenges, each with a 'View Challenges' button and a count of interactions.

TOPICS Ideas About Search Ideas Log In

ADD YOUR IDEAS. SUPPORT GOOD IDEAS. SHARE WITH FRIENDS. Sign up now and start contributing.

Sign up with Facebook Sign up with LinkedIn Sign up with Google Or sign up with [Mind Mixer](#)

PROJECT DETAILS

About the Project

How it Works

Who's Listening?

Rewards Store

Select Language

Powered by Google Translate

CONTRIBUTORS

Weekly Active Users

Lucy A	56
David D76	44
kitty B	10
Ronald M	2

Use your points to get Rewards

Living Innovation Zones

Only Innovation: What innovative project would you like to see on the sidewalks of Market Street?

The Living Innovation Zones (LIZ) program is all about bringing San Francisco's innovative spirit and ideas out onto the streets to create spaces to learn...

My idea is... Add Idea

CATEGORIES

WHAT IS YOUR FAVORITE THING ABOUT YOUR NEIGHBORHOOD?

Neighborhood Stories

View Challenges 620 Interactions

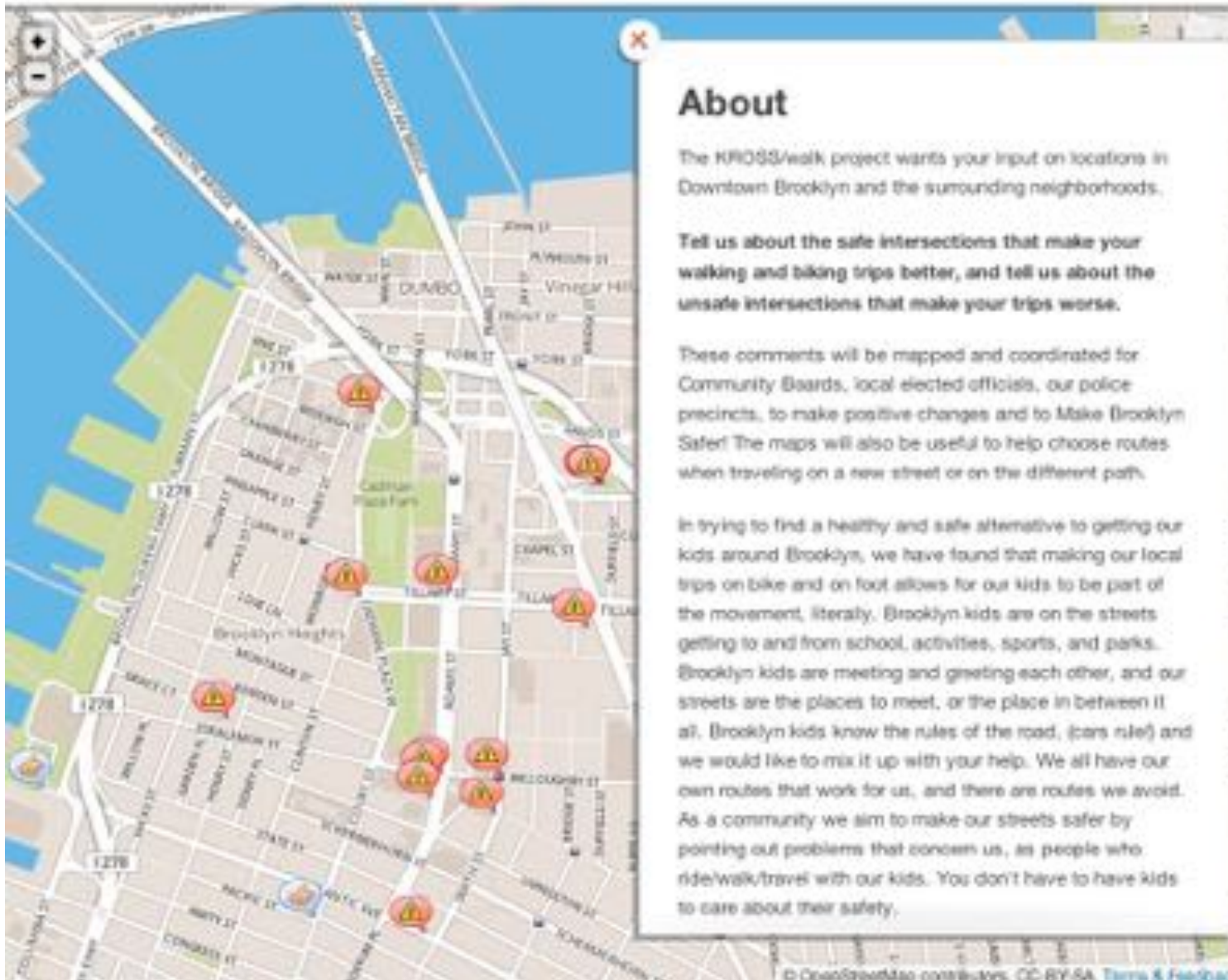
Transportation & Mobility

View Challenges 6789 Interactions

Collaboration Apps: Mind Mixer

www.improveSF.com

KIDS RIDING ON SAFE STREETS

[About](#)[Make Brooklyn Safer](#)

About

The KROSS/walk project wants your input on locations in Downtown Brooklyn and the surrounding neighborhoods.

Tell us about the safe intersections that make your walking and biking trips better, and tell us about the unsafe intersections that make your trips worse.

These comments will be mapped and coordinated for Community Boards, local elected officials, our police precincts, to make positive changes and to Make Brooklyn Safer! The maps will also be useful to help choose routes when traveling on a new street or on the different path.

In trying to find a healthy and safe alternative to getting our kids around Brooklyn, we have found that making our local trips on bike and on foot allows for our kids to be part of the movement, literally. Brooklyn kids are on the streets getting to and from school, activities, sports, and parks. Brooklyn kids are meeting and greeting each other, and our streets are the places to meet, or the place in between it all. Brooklyn kids know the rules of the road, (cars rule) and we would like to mix it up with your help. We all have our own routes that work for us, and there are routes we avoid. As a community we aim to make our streets safer by pointing out problems that concern us, as people who ride/walk/travel with our kids. You don't have to have kids to care about their safety.

© OpenStreetMap contributors. CC-BY-SA. [Terms & Feedback](#)

Shawn identified an Unsafe Intersection

Hilda identified an Unsafe Intersection named DeKaib & St. Felix

Frank identified an Unsafe Intersection named Adams at Fulton Mall

Someone identified an Unsafe Intersection named Flatbush & Tilary

Doug identified an Unsafe Intersection named Butler & 4th Ave.

Frank identified an Unsafe Intersection named Adams & Wiloughby

Frank identified an Unsafe Intersection named Adams & Wiloughby

Joan Oleck identified an Unsafe Intersection named St. Johns Place & Plaza St. East

Anthony identified an Unsafe Intersection named Havarmeyer & S. 4th

Powered by *Shareabouts*.

Shareabouts – geo-based collaboration app

[Forum](#)[Game](#)[Best Practices](#)[Login with Facebook](#)

Sustainable Urban Transport

Helping you make transport in your city more sustainable.




GreenCityStreets Forum


The GreenCityStreets Forum provides a place for you to recommend sustainable transportation ideas for your community. You can support (Like) or comment on ideas already in the Forum or add your own ideas. Use the links to display all the ideas for a city, for a public transport line or from another user.

Beta Version - Everyone can read GreenCityStreets Forum posts but currently you need to login via Facebook to add posts, support or comment.

Latest Forum Posts



Wien | 13A stuck in traffic 13A
in mariahilferstrasse 60, Wien
by [Andrew Butler Nash](#) about 1 hour ago



Wien | Tram 49 comes in bunches 49
in Westbahnstrasse, Wien
by [Andrew Butler Nash](#) about 1 hour ago

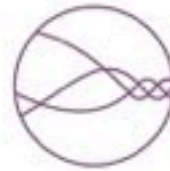


GreenCityStreets.com ... Facebook-based collaboration



1. Talk things through

Start a discussion on any topic, and bring in the right people. Share diverse perspectives and develop ideas together.



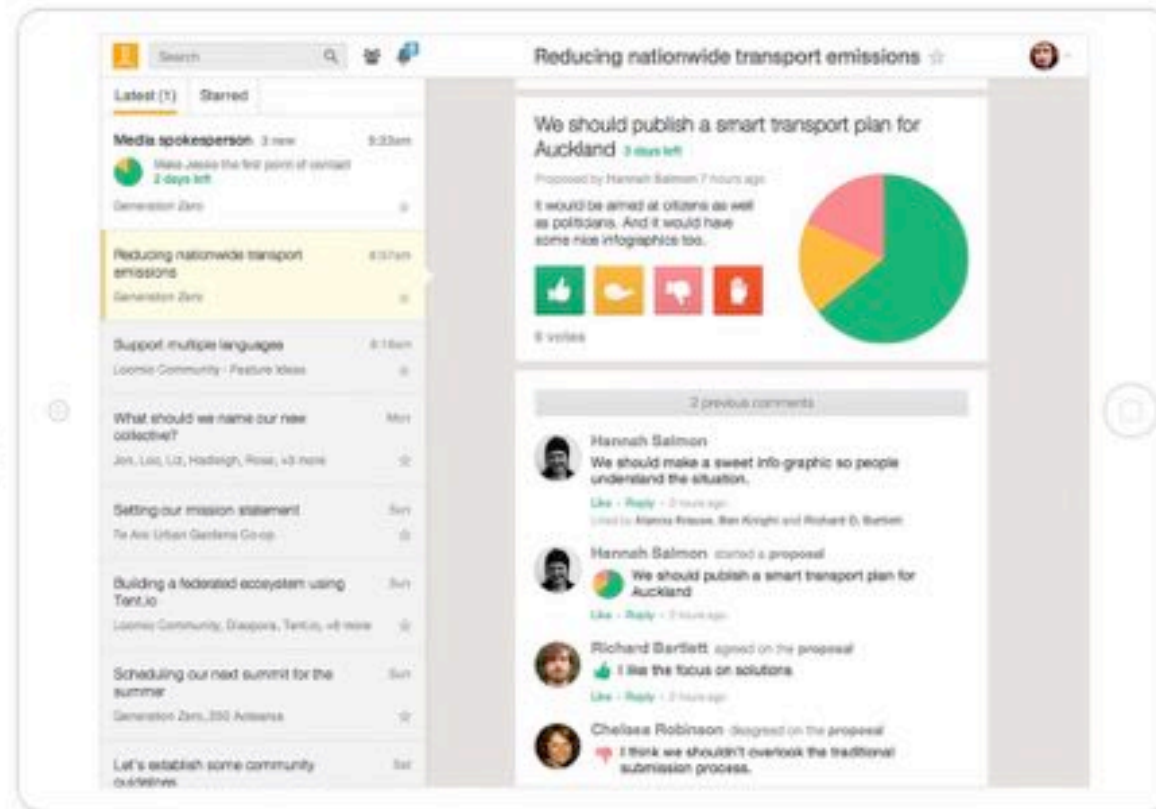
2. Build agreement

Anyone can propose a course of action. People can agree, abstain, disagree, or block – so you can see how everyone feels, and why.



3. Decide together

Develop the proposal together so that it works for everyone. Every decision has a clear deadline, so you always get a clear outcome.



Loomio – collaborative decision making app

www.loomio.org

Ring Ride Game

Test your skill riding around Vienna's historic Ringstrasse. Look out for Mozart!

DOWNLOAD FROM
PLAY STORE

Apple Store: coming soon!



[Click here for our Game Instructions Video](#)

Ring Ride – Game to encourage participation

www.ringstrasse150.com



**Grr-Grr-Bike – Game for education +
engagement.**

www.grr-grr-bike.com

D. Act: *disruptive change*

- **Information** – Twitter real time transport
- **Civic organisation** – 596 Acres, Casserole
- **Sharing society** – P2P ridesharing
- **Crowd-sourced civic works** – Kickstarter
- **Disruptive businesses** – Uber, Bridj

596 ACRES

ver en Español

Get The News From The Acres

Your email address

Subscribe

GET INVOLVED NEWS RESOURCES PRESS DONATE CONTACT ABOUT FREQUENTLY ASKED QUESTIONS

Lot size: 0 to 3+ acres

Streetview is below the map when a lot is selected.



This map shows sites of potential community projects. We have taken several different sources of information about vacant publicly owned land, chosen the most accurate information from each and shared them here. This is our commons. We also add few private lots whose owners have volunteered their land for community use.

- ☒ public vacant lots
- ☒ public vacant sites being organized around (114)
- ☒ public vacant sites where groups have access (22)
- ☒ private vacant sites (1)
- ☒ private vacant sites being used by community (3)
- ☐ community gardens on public land
- ☐ gutterspaces



Upcoming Events

596 Acres at GreenThumb Grow Together in the

Bronx
Saturday, March 29 from 8:30 a.m. to 4 p.m.

Book Binding with 596 Acres at Build It Green in Gowanus!

Saturday, April 5 from 1 p.m. to 3:30 p.m.

[view all upcoming events](#) | [view past events](#)

Recent news

News From the Acres - March 20, 2014

March 20, 2014 in [news from the acres](#)

Vacant Acres Dinner at the Sunview with Uncle Ruth

March 17, 2014 in [Other Cities](#)

News From the Acres - March 13, 2014

March 13, 2014 in [news from the acres](#)

Information exchange and organisation ... 596 Acres

Search for lots near an address:

Search | use my current location

Boroughs:

- ☒ Bronx
- ☒ Brooklyn
- ☒ Manhattan
- ☒ Queens

You are currently looking at:

1221 public vacant sites on 1375 lots on 432.592 acres ...how big is that?
114 public vacant sites being organized around on 214 lots on 54.025 acres ...how big is that?
22 public vacant sites where groups have access on 37 lots on 4.218 acres ...how big is that?
1 private vacant sites on 1 lots on 0.305 acres ...how big is that?
3 private vacant sites being used by community on 3 lots on 0.163 acres ...how big is that?
0 community gardens on public land on 0 lots on 0 acres ...how big is that?
0 gutterspaces on 0 acres ...how big is that?

the love shack bus stop

by Dana Jo

[Home](#) [Updates 22](#) [Backers 88](#) [Comments 4](#)[Athens, GA](#) [Public Art](#)

Funded! This project was successfully funded on Jan 3, 2012.

Update #22

Mar 2 2012

[love shack bus stop is finished and installed!]

2 comments [Like](#)

Hey there everyone, I have some pictures up on my website that you can see by [clicking here](#). also, if you did not get to pick up your backer rewards at the opening, I will be mailing them to you on Monday as well as the prints for my \$75-100 folks. again, thank you all so very much for helping make the love shack bus stop a reality!



88

backers

\$3,015

pledged of \$2,800 goal

0

seconds to go



Project by
Dana Jo
Athens, GA
[Contact me](#)

[K](#) First created - 2 backed[f](#) Dana Jo Cooley 1120 friends[@](#) danajocooley.com[See full bio](#)

Pledge \$5 or more

14 backers

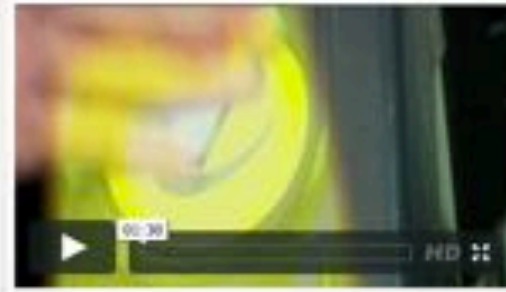
a postcard art print of the love shack

Crowdfunding for civic improvements ... **Kickstarter**

Chromaroma, adding colour to your journeys

A new game for London...

[Sign Up Now](#) or find out more



Use your Oyster card to play online

Chromaroma takes your travel data
and makes it into a game where every journey
counts in a competition for the city!

Play with friends or compete against them

Get records, earn
achievements, go on real missions.
Travel like you mean it!



Using games to influence behaviour ... Chromaroma (London)

STEAL THIS IDEA: A \$600 PROTECTED BIKE LANE DEMO AT AN OPEN-STREETS EVENT

January 24, 2014

Michael Andersen, Green Lane Project staff writer



Chrissy Lee of the Minneapolis Bicycle Coalition sets up a "pop up" bike lane demo last summer.

[HOME](#)[ANNOUNCEMENTS](#)[SERVICE AREA](#)[WE'RE HIRING](#)

CONNECTING THE CITY

Bridj is your everyday transportation system that adapts in real time to where you live work and play.

App-based public transport





Designing passionate, people-powered public services

Casserole is an example of how ***understanding citizens as producers as well as consumers*** leads to services that help communities turn the issues they're passionate about into ways to be more self-sufficient and less invested in expensive public services.

Lessons from Cyberspace

- Information technology has ***fundamentally*** changed the role of government.
- Applications enable active participation in ***planning and operating*** cities ...
- ... if government does not embrace this active participation – ***someone else*** will!
- Participation apps should be easy, fun and active.

The Empire Strikes Back – Vienna

- Infrastructure investment pays off.

A New Hope – Zurich

- Efficiency is possible.

The Phantom Menace – San Francisco

- Don't be afraid of congestion.

Return of the Jedi – New York

- Planning needs brains AND courage.

The Force Awakens – Information Technology

- Participation is revolutionizing cities and planning.



Andrew Nash develops engaging public participation applications and games designed to improve city livability and transport.

- GreenCityStreets.com
- Ringstrasse150.com/wp/
- AndyNash.com