

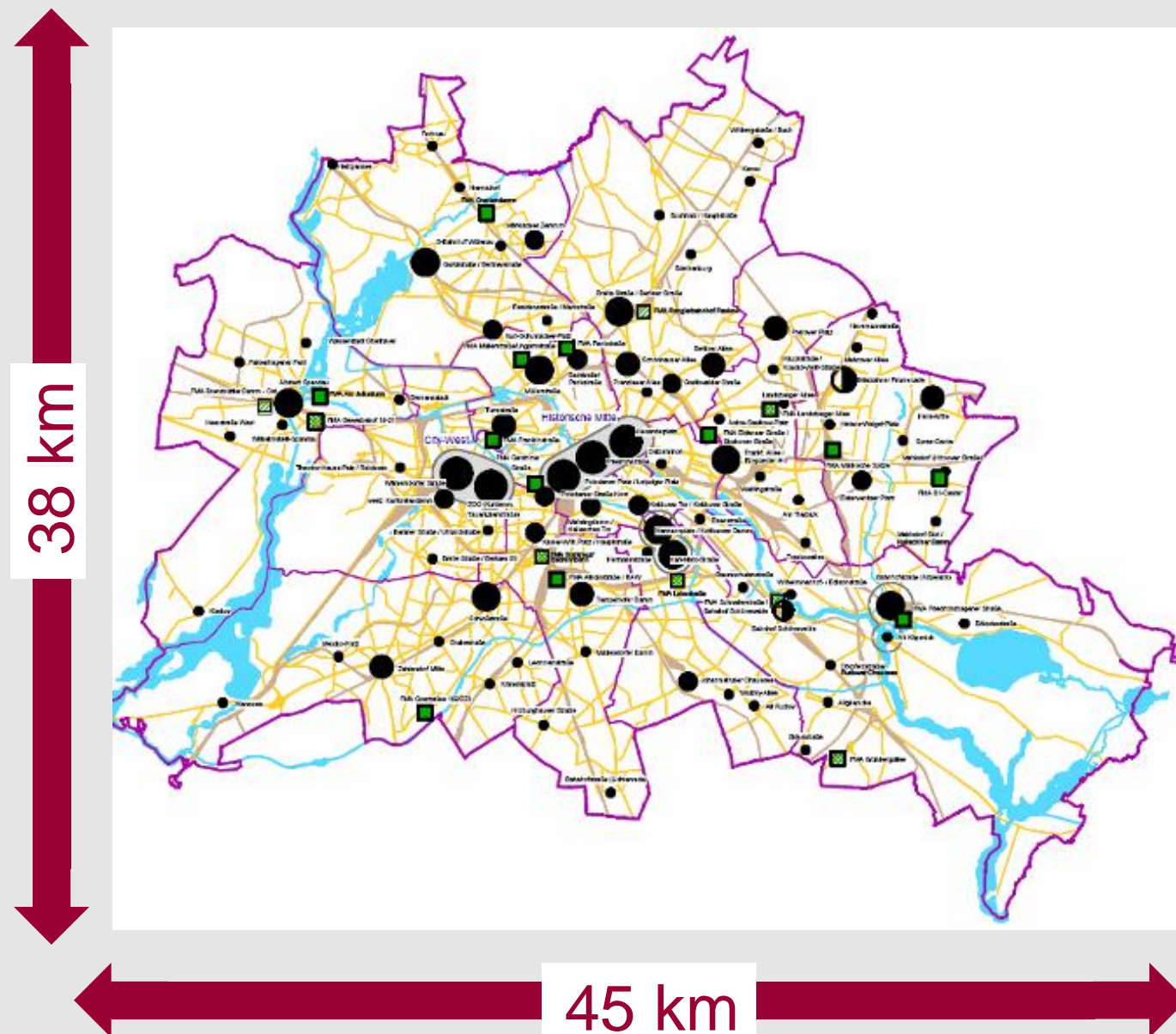
Dr. Julius Menge

Urban Freight - Reflections and Thoughts from a Public Authorities Perspective

Transport and Climate Change Week
Focus 2017: Urban Mobility
18 - 22 September 2017, Berlin



Berlin is different from other large cities ...



area: 892 km²

3.610.156 (31.12.2015) inhabitants

approx. 1.8 m people in employment

“poor but sexy” (10% unemployed)

almost 40% of households without car

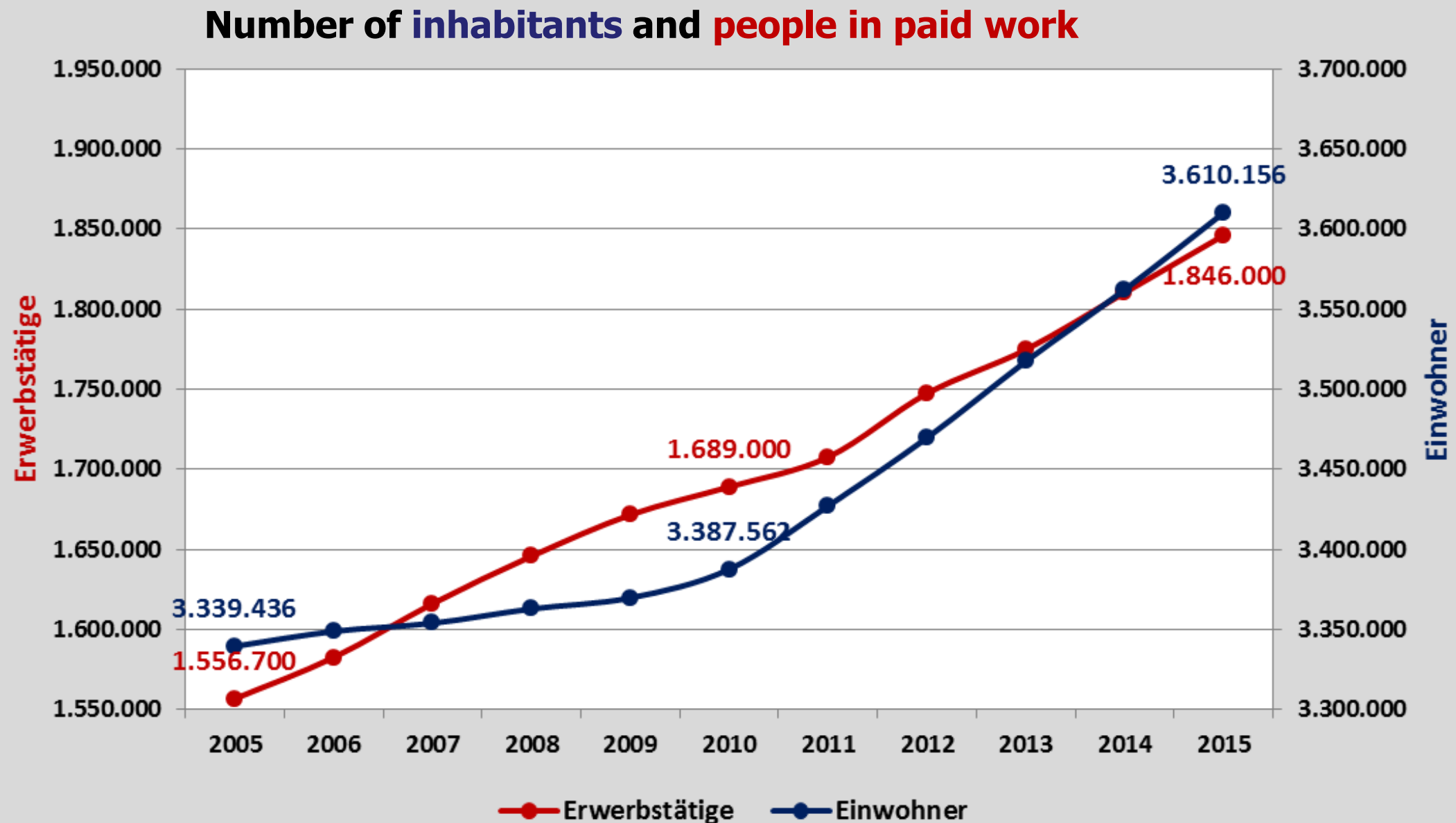
Low motorization rate (326 cars/1000 inh.)

low commuter numbers (but growing)

polycentric city of short distances

Figures: Statistical Office; Berlin-Brandenburg,
as of 2015

Berlin – a growing city

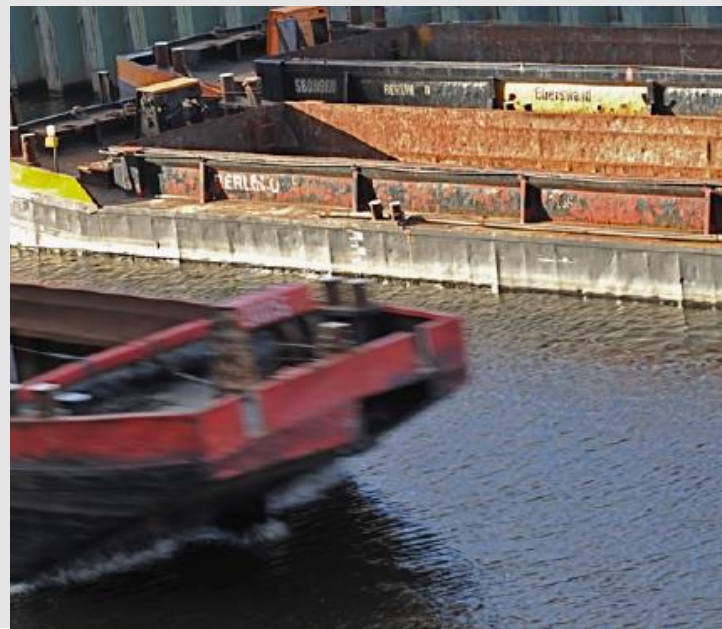


Daten: Amt für Statistik Berlin-Brandenburg; Darstellung: SenStadtUm

People in paid work: + 289,300 Pers.
(annual average)

Population: + 270,720 Pers.
(in each case 31.12.)

Urban Freight – in Berlin?!?



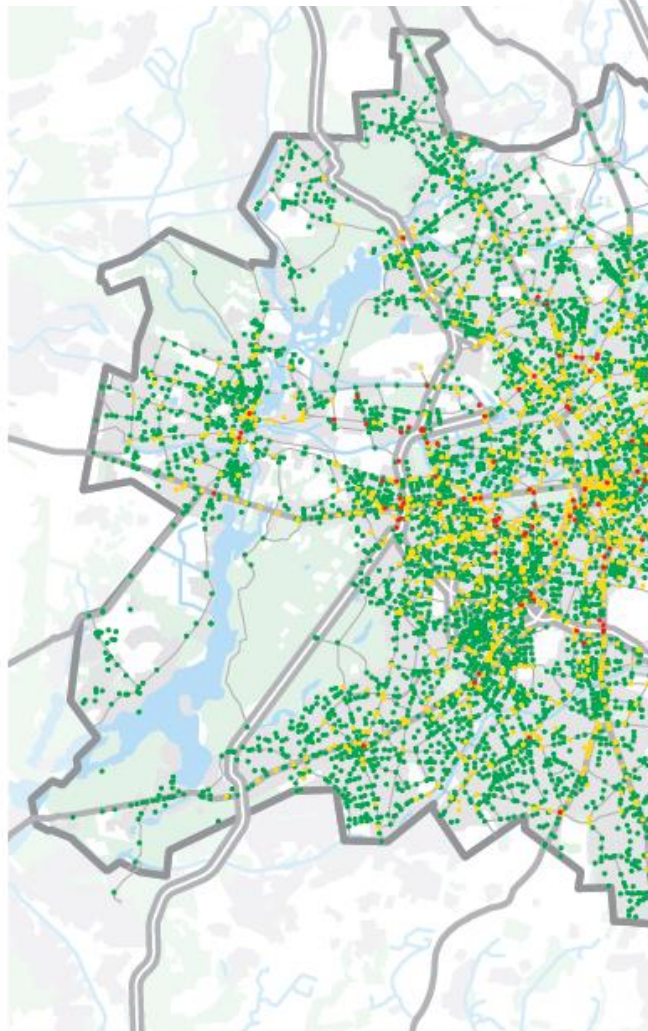
Facing the challenge: significant negative effects of traffic...

Verkehrsunfälle im Hauptverkehrsstraßennetz an den Knotenpu

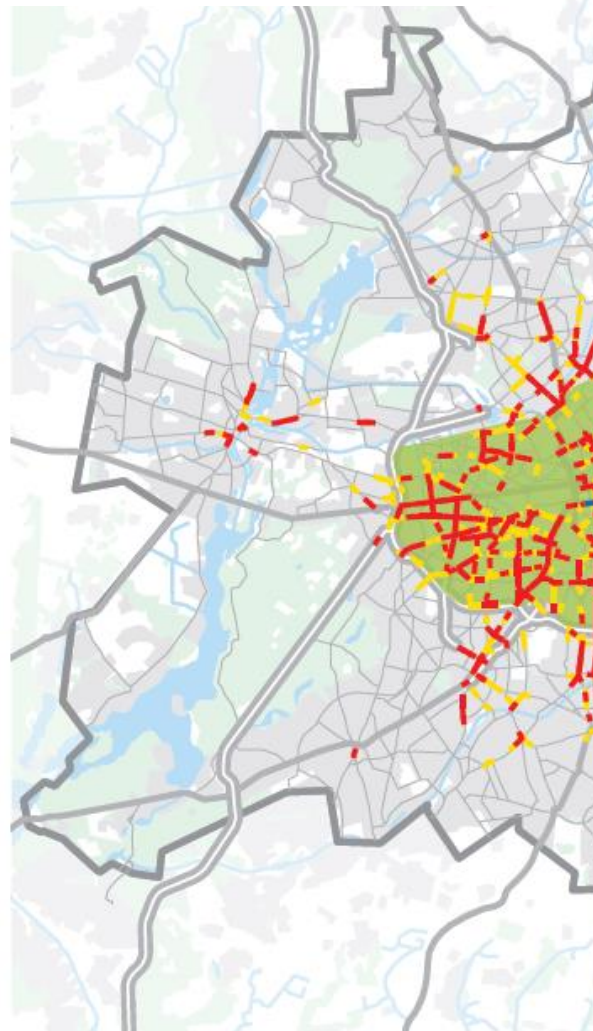
Verkehrsbedingte Luftschadstoffimmissionen durch Feinst

Lärmbelastungsschwerpunkte Straßenverkehr (2007)

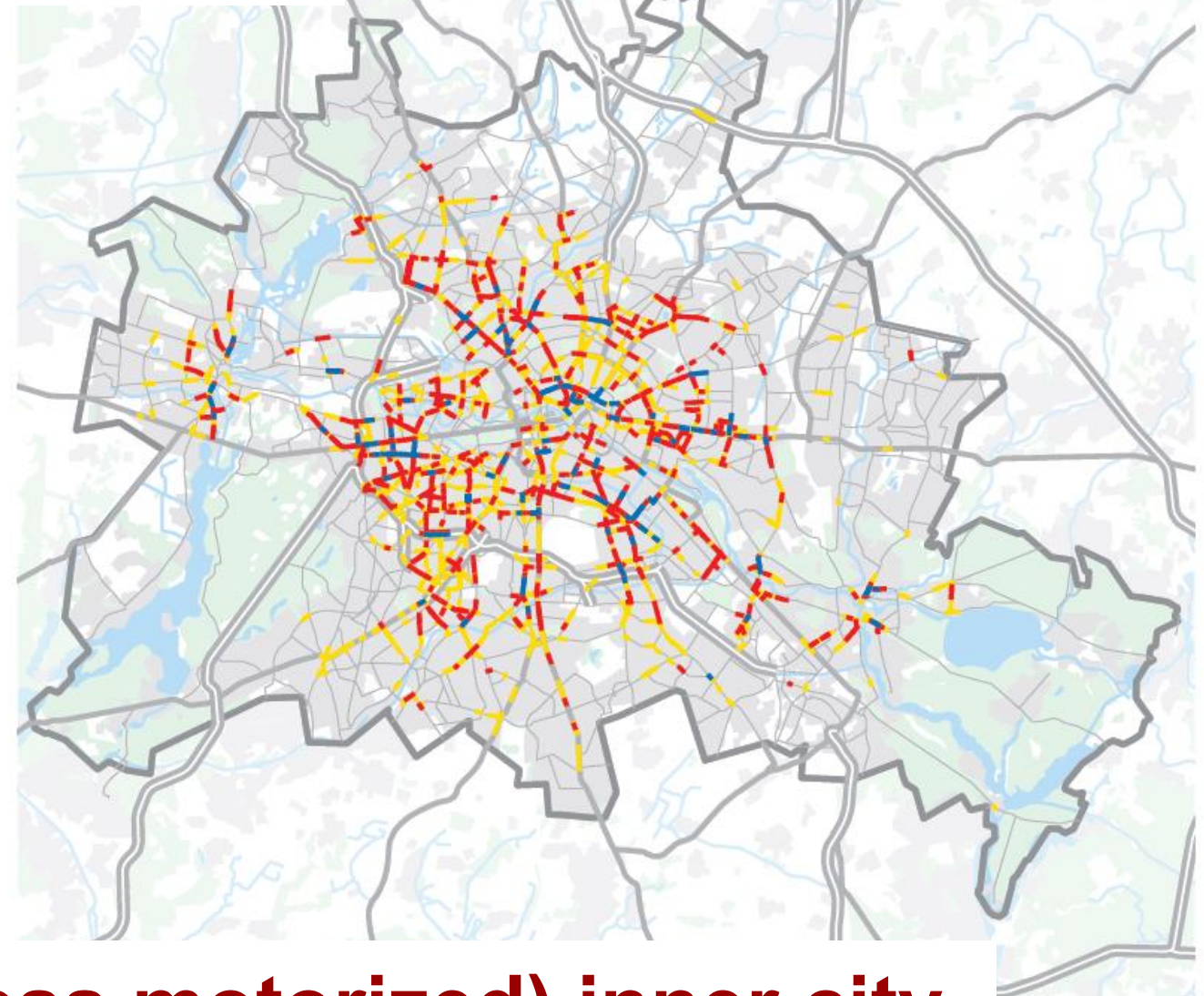
Accidents...



Emissions...



Noise...



... concentrated esp. to the (less motorized) inner city

The parts of the puzzle...



STRATEGIC APPROACHES

(selected)

Berlin's Urban Transport Development Plan (Stadtentwicklungsplan Verkehr)

- Provides the strategical framework for the next 15 years → „road-map“ for Berlin's transport policy
- Integrative Approach
 - Linking transport to other fields of urban development
 - Integrating all transport modes
 - Addressing national and European requirements
 - Coordinating developments with the surrounding metropolitan region
- Coupling long-term visions with short- and medium-term measures
- Consultative planning process
(Round table, scientific advisory board)



Updating the Long-Term Strategy: Our Guiding Vision



Berlin's „Integrated Commercial Transport Concept“ (2005)

- Last version from 2005, currently under revision
- Participatory planning process
 - Different Stakeholders (all transport modes, LSP's, chamber of commerce, various interest groups, boroughs)
- Common working sessions
- Based on current situation and infrastructure, supported by various studies
- Frequent evaluation and report
- Commercial transport instead of “pure” freight



Integriertes Wirtschaftsverkehrskonzept Berlin



**AG ZUKUNFTS-
STANDORTE**



APPROACHES IN REAL LIFE

(selected)

It's a question of space (land use) and distance; part I



The shorter a „last mile“ is, the more „sustainable“ it can get...



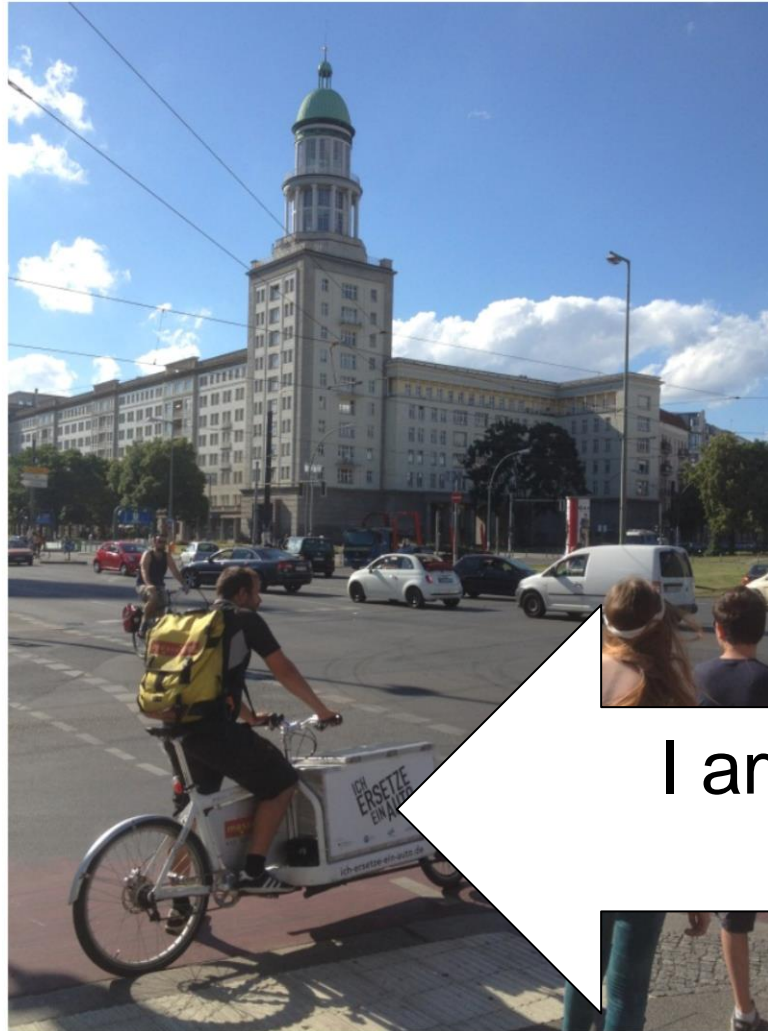
- Full electric 40 t truck for last mile container transport from Berlin Westhafen run by BEHALA
- Shorter distances = smaller batteries = impact on economical feasibility
- Form follows function vs. the one for all purposes

Cargo cycles in Berlin?

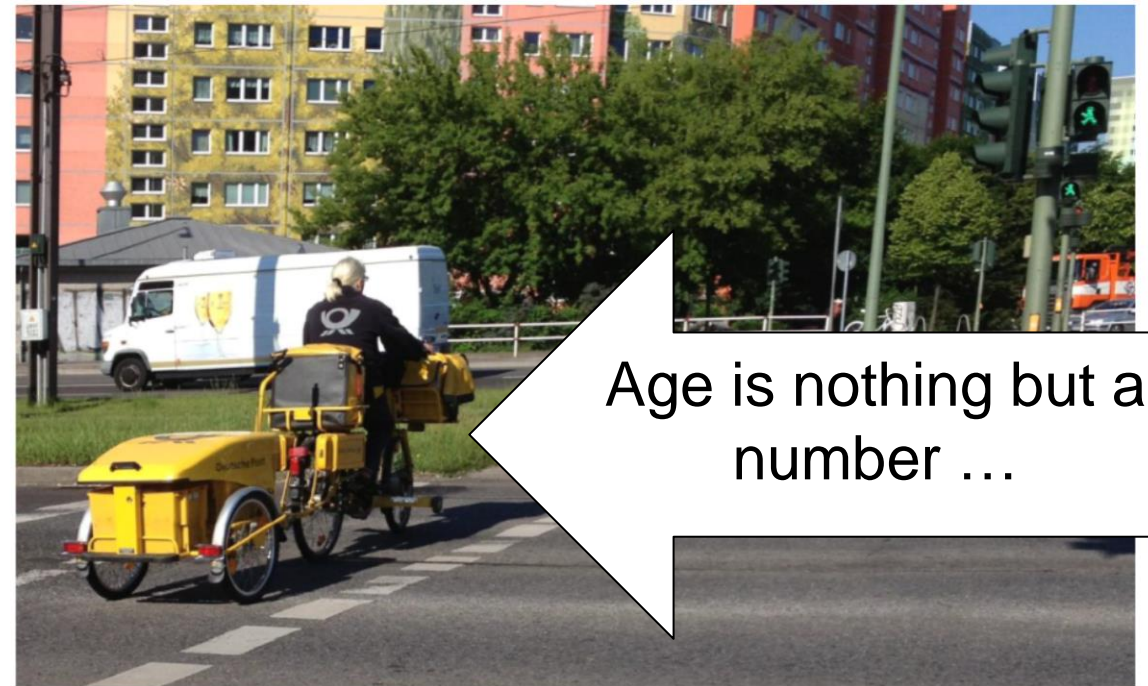
Potsdamer Platz. 1906.



Some examples...



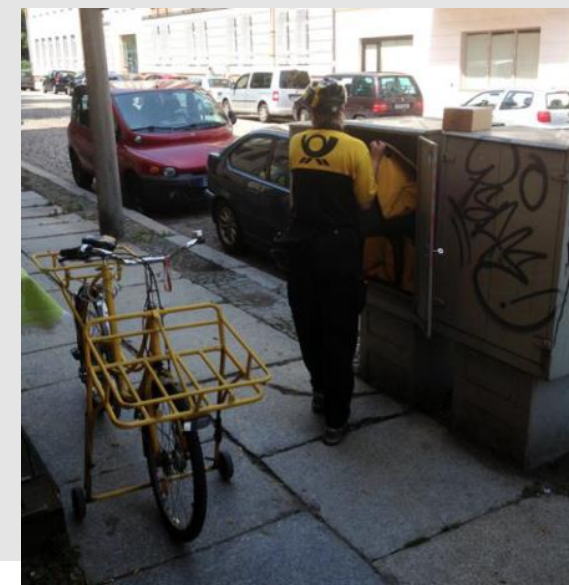
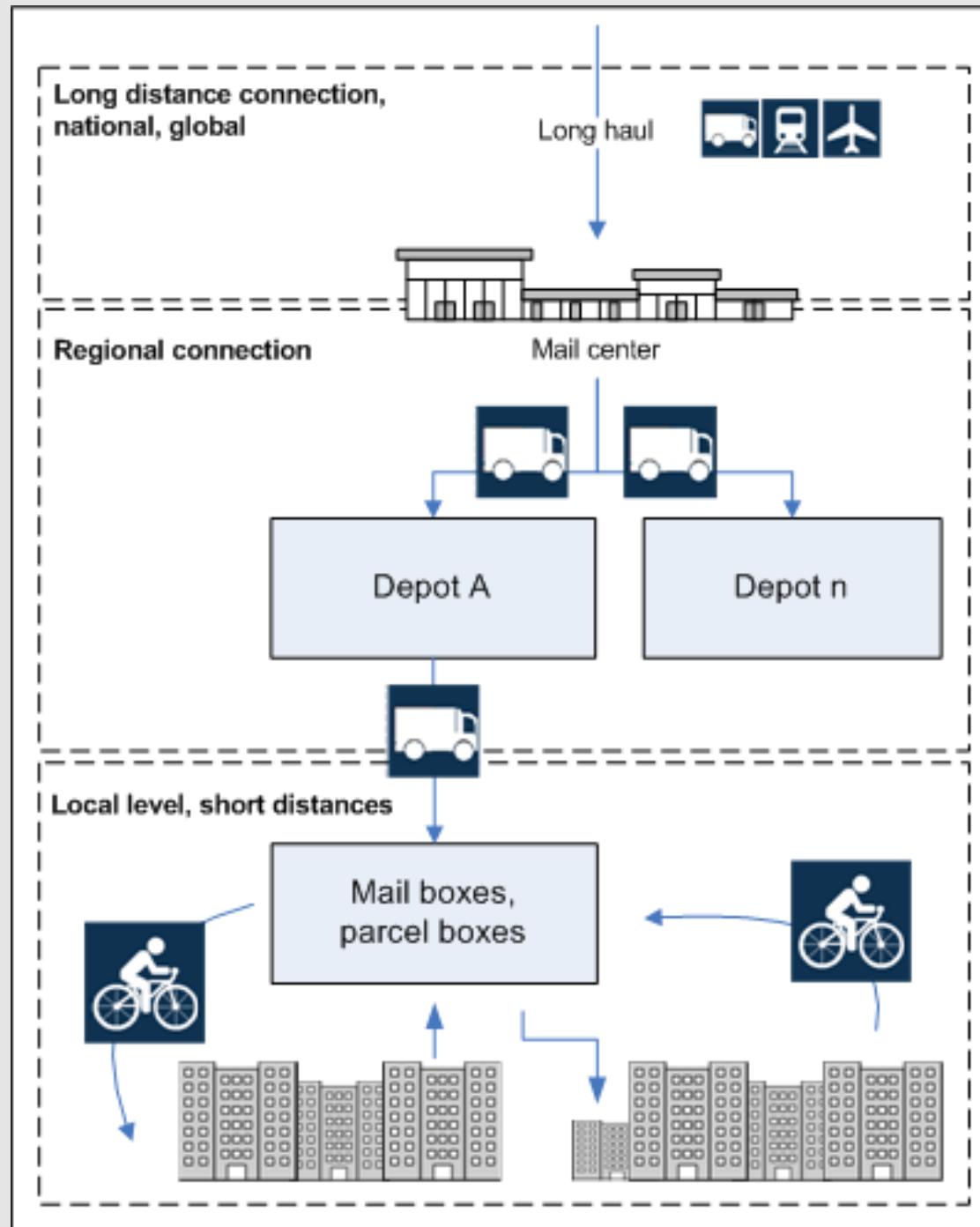
I am substituting
a car



Age is nothing but a
number ...



It's a question of space (land use) and distance; part II

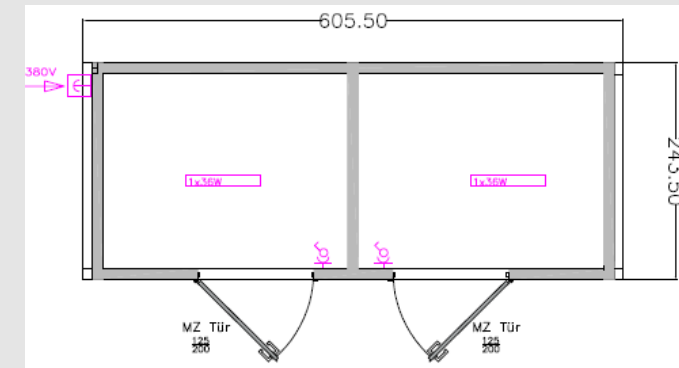
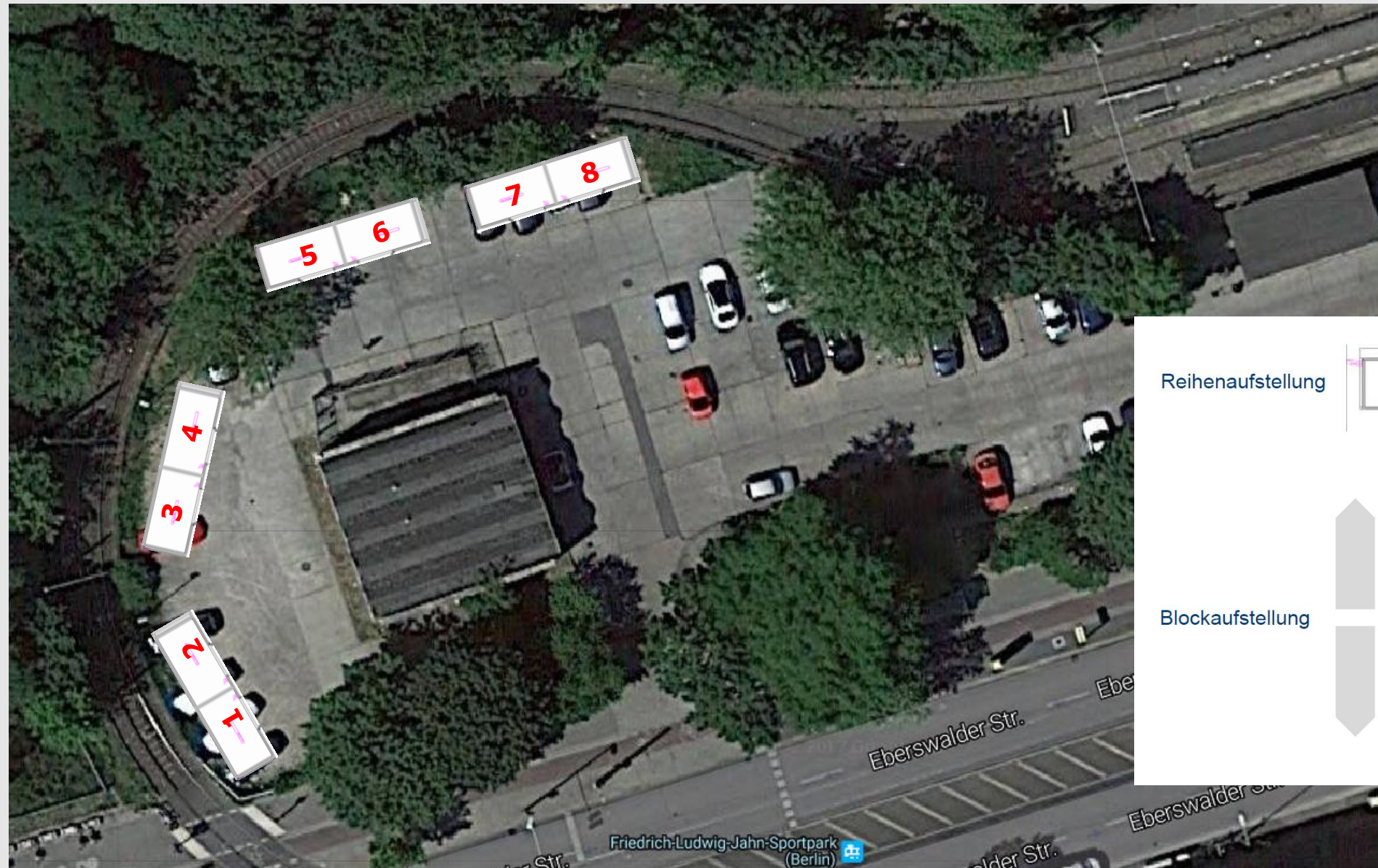


Aber wollen wir das?

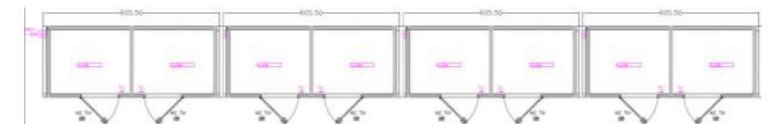


© LNC Berlin

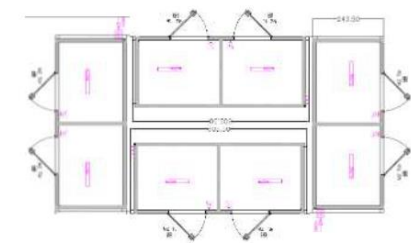
Shared Micro-Depots – a part of the solution



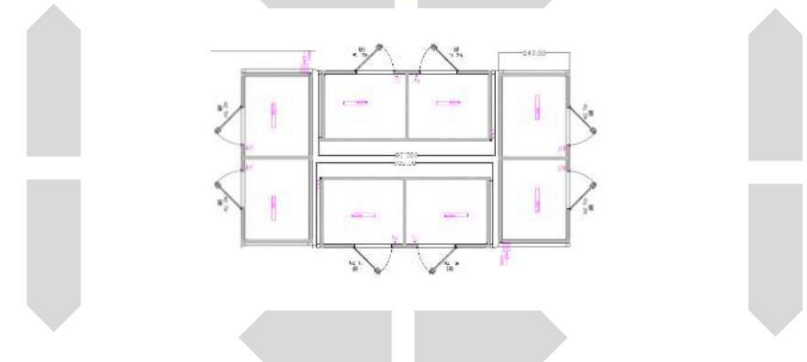
Reihenaufstellung

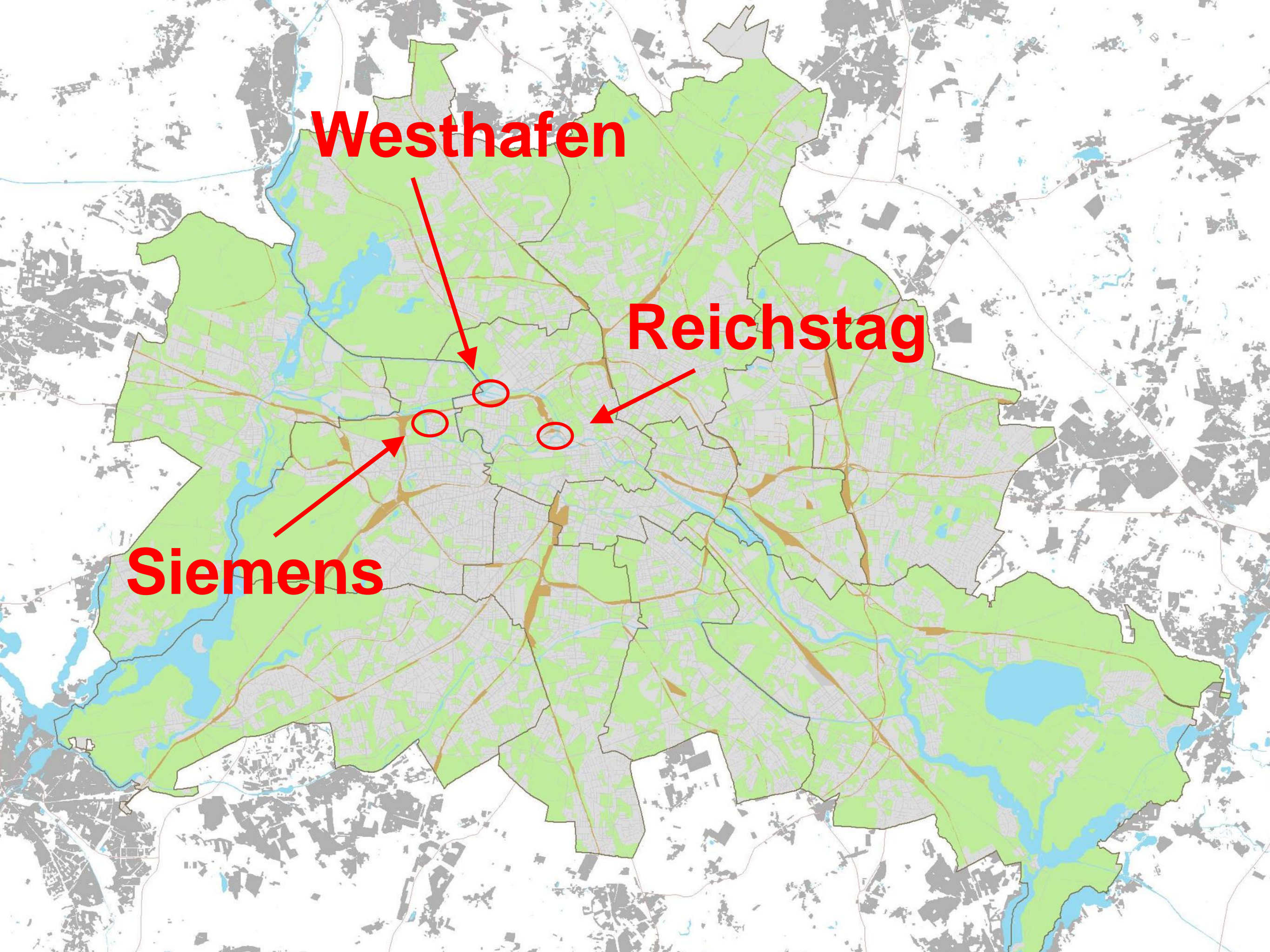


Be-/Entladung



Blockaufstellung





Westhafen

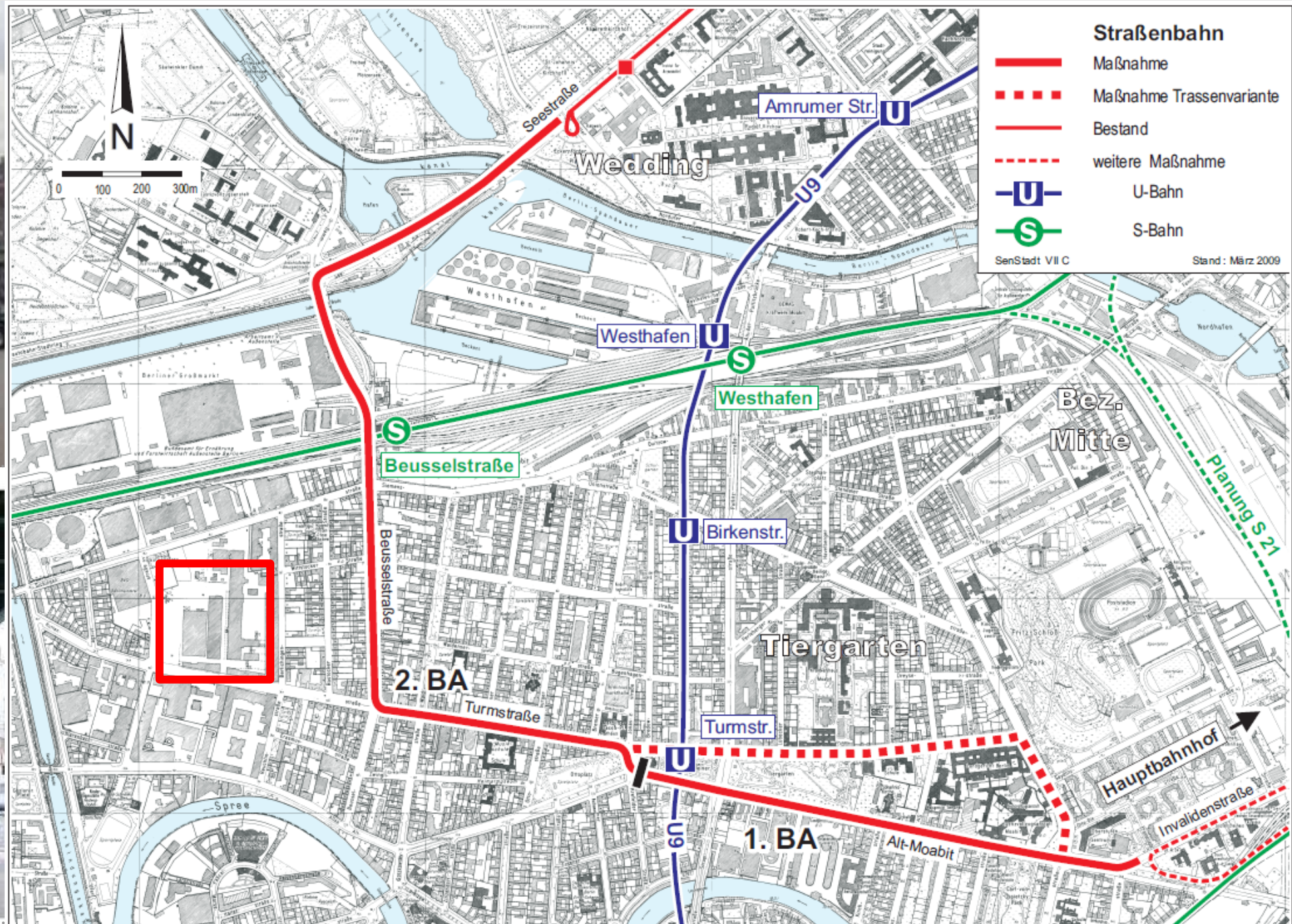
Reichstag

Siemens

The effects of a growing city: TRAM extension vs. heavy and oversized goods?



Transportation Norden (stadtauswärts)



BEHALA "Heavy goods shuttle"

- September 2012: operations of the "heavy goods shuttle"
- Innovation causes shift in modal split
- Background:
New generation of Siemens gas turbines with a weight of 520 tons



Heavy goods in Berlin – the new Siemens gas turbine



The future...???



Bildquelle: <http://www.wien.gv.at/umwelt/ma48/entsorgung/problemstoffsammlung/images/mobile-prosa.jpg>

An aerial photograph of Berlin, Germany, showing a dense urban landscape with numerous buildings, streets, and green spaces. The Spree river is visible on the left side. The Fernsehturm (TV Tower) stands prominently in the center-right of the image. The sky is clear and blue.

Thank you!

Merci!

Danke!

Dr. Julius Menge

Senate Department for Environment, Transport and Climate Protection

Principle Affairs of Transport Policy

IV A W, Commercial Transport

Am Kölnischen Park 3

10179 Berlin / Germany

Tel.: +49 (0)30 9025 - 1566

Fax.: +49 (0)30 9025 - 1675

e-mail: julius.menge@senuvk.berlin.de