

Table 1 Distribution of sources

	Freiburg	Karlsruhe	Stuttgart	Mannheim	Heidelberg	State	National	Total
Press releases	15	29	14	25	61** (44)	1	16	161
Governmental and regulatory documents	16	15	17	4	29** (5)	0	2	74
Legal documents	81	8	39	14	12	11	24	189
Corporate documents	29	26	49	0	55*	0	5	164
Scientific writings	3	1	4	1	2	0	6	17
Newspaper documents	82	34	63	15	62	1	12	269
Lobby group documents	0	0	0	1	1	0	18	20
Total	226	113	186	60	213 ** (49+55)	13	83	894

*As stadtmobil Rhein-Neckar is active as a company in Mannheim and Heidelberg corporate documents are shared between the cases.

**As the cities of Heidelberg and Mannheim share the VRN (Verkehrsverbund Rhein-Neckar), the cities also share their strategic traffic planning. Thus some documents are shared between cases and were only counted for Heidelberg. The number in the bracket indicates the amount of shared documents.

Table 2 Source Documentation

DATA SOURCES	DETAILS
GOVERNMENTAL AND REGULATORY DOCUMENTS	• Various traffic development plans, official strategic papers on climate protection, and traffic development • Meeting minutes of city councils, Landtag, Bundestag and Bundesrat, transport committee, building committee on local level • Participation procedure documents and documentation • Presentations of officials
PRESS RELEASES	• Press releases of governmental bodies (local, regional, national) • Press releases of corporations and other organisations
LEGAL DOCUMENTS	• Various legislative texts and statutes on local, regional, and national level, legal opinions • Official information, inquiries, and meeting preparation for decision making for the councils, Bundestag, and Bundesrat • Answers by the Mayor, governing parties to official requests
CORPORATE DOCUMENTS	• Company websites, including past webpages • Press releases • Social Media coverage (Facebook, Twitter, YouTube)
LOBBY GROUP DOCUMENTS	• Documents, website, annual reports, presentations, and press releases by Bundesverband Carsharing e.V.
NEWSPAPER DOCUMENTS	• Various regional newspapers and official gazette accessed through their archives, google search, and wiso-net.de
SCIENTIFIC WRITINGS	• Various scientific project reports, theses, interested in the development of carsharing, citing developments of the cases.

Figure 1 Stuttgart station and car development

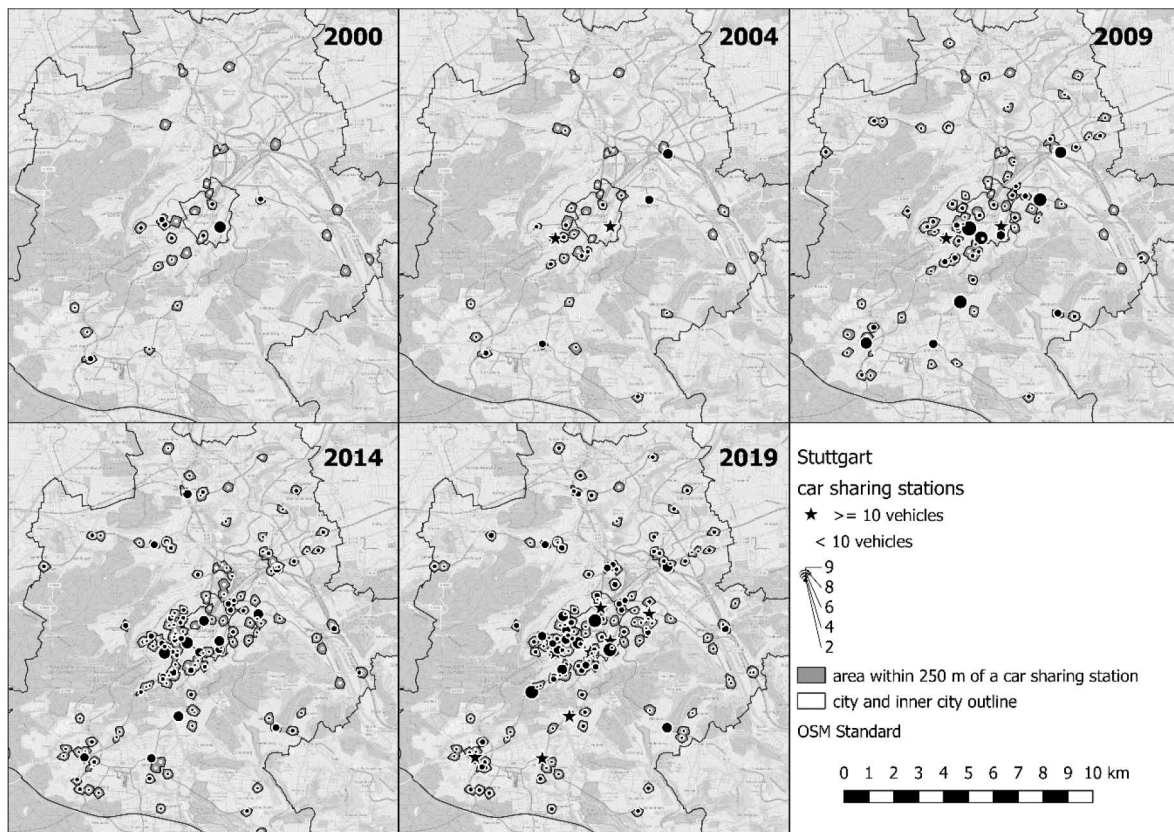


Figure 2 Stuttgart changes in carsharing stations

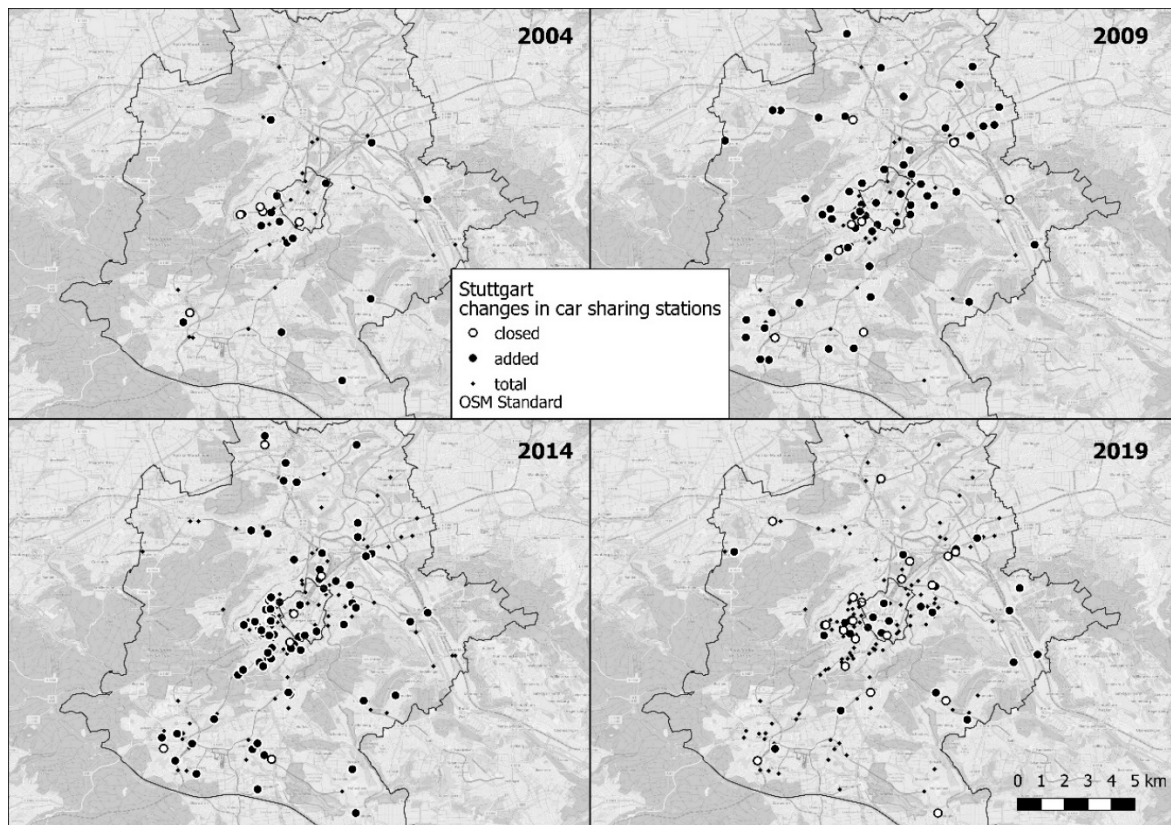


Figure 3 Mannheim station and car development

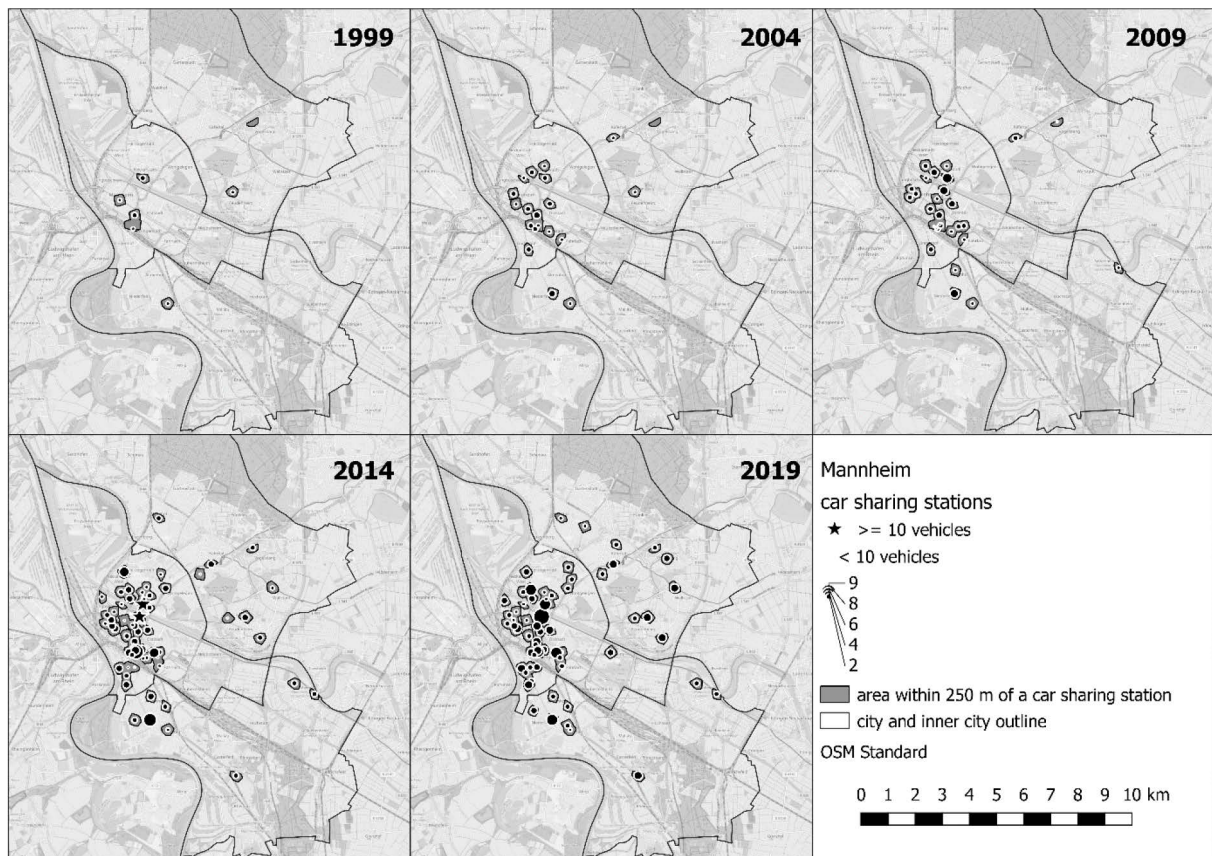


Figure 4 Mannheim changes in carsharing stations

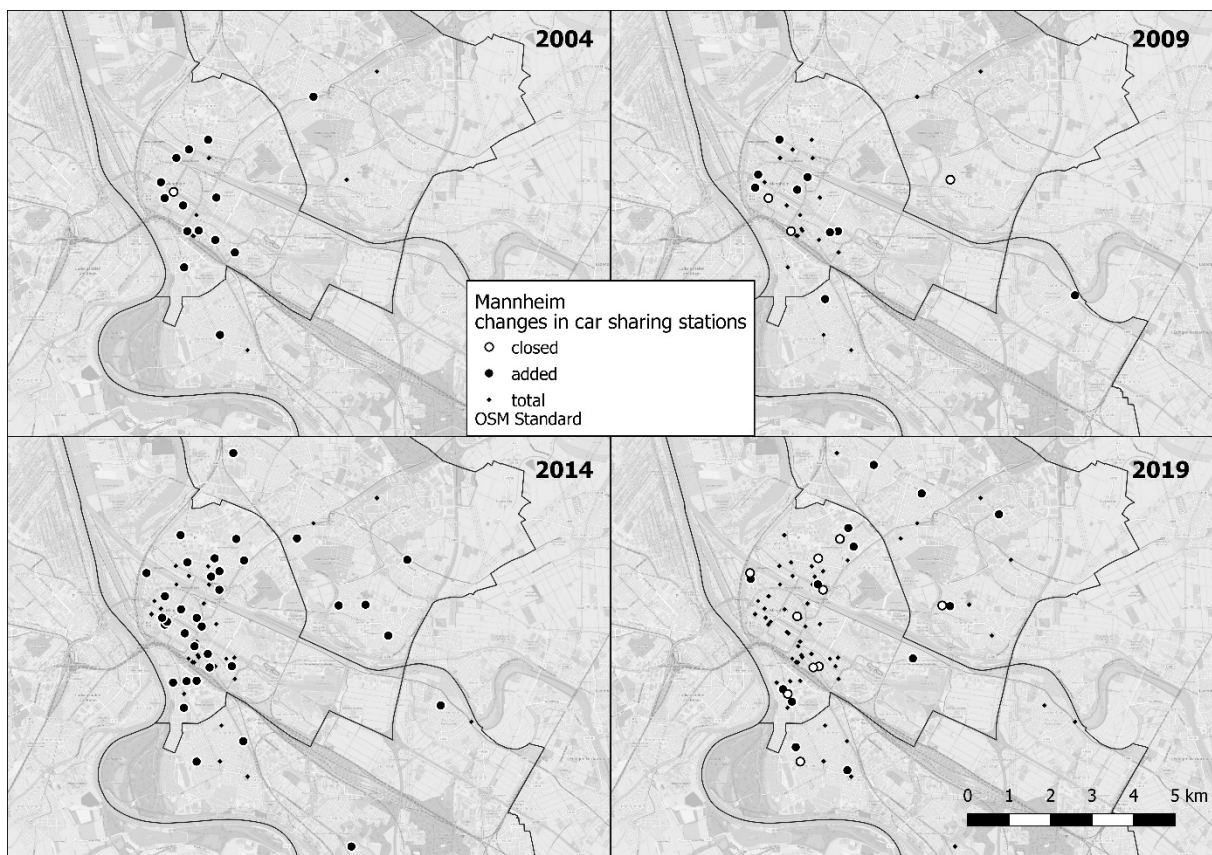


Figure 5 Karlsruhe station and car development

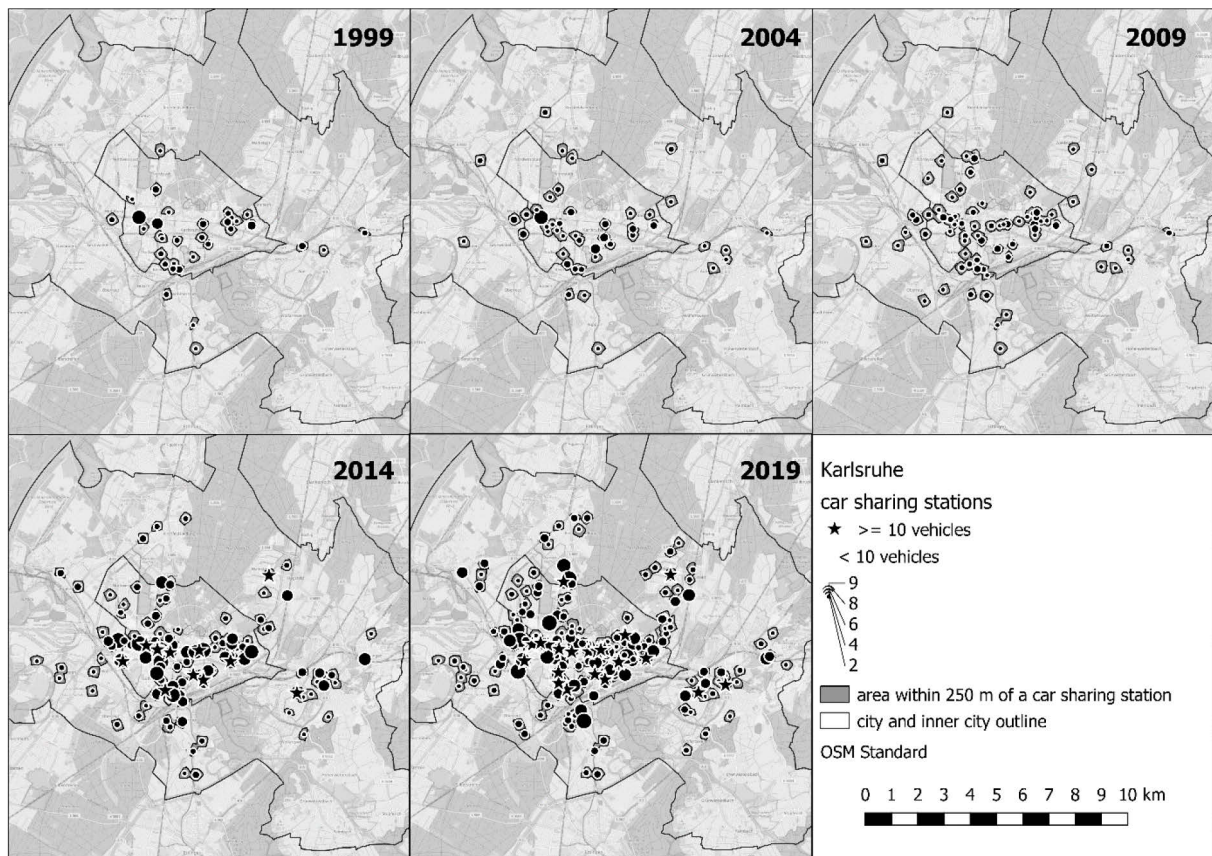


Figure 6 Karlsruhe changes in carsharing stations

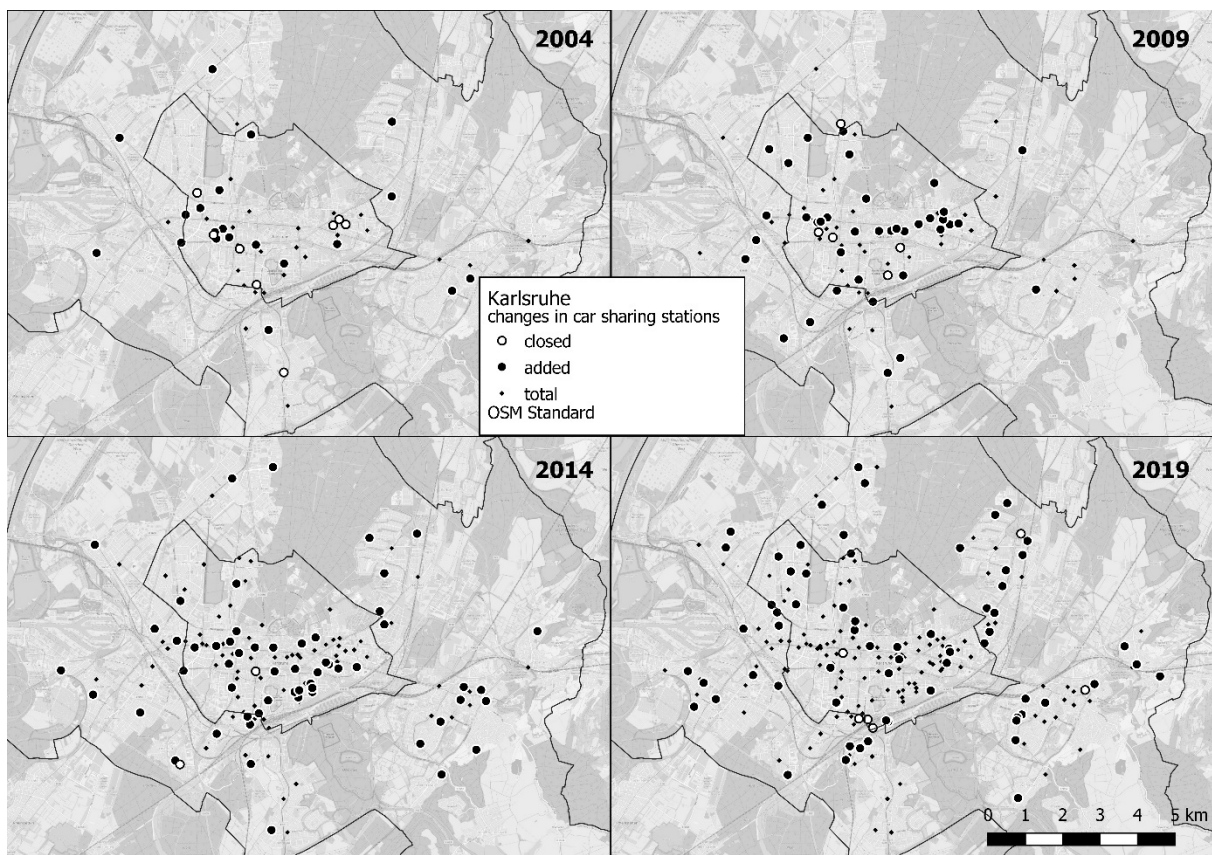


Figure 7 Heidelberg station and car development

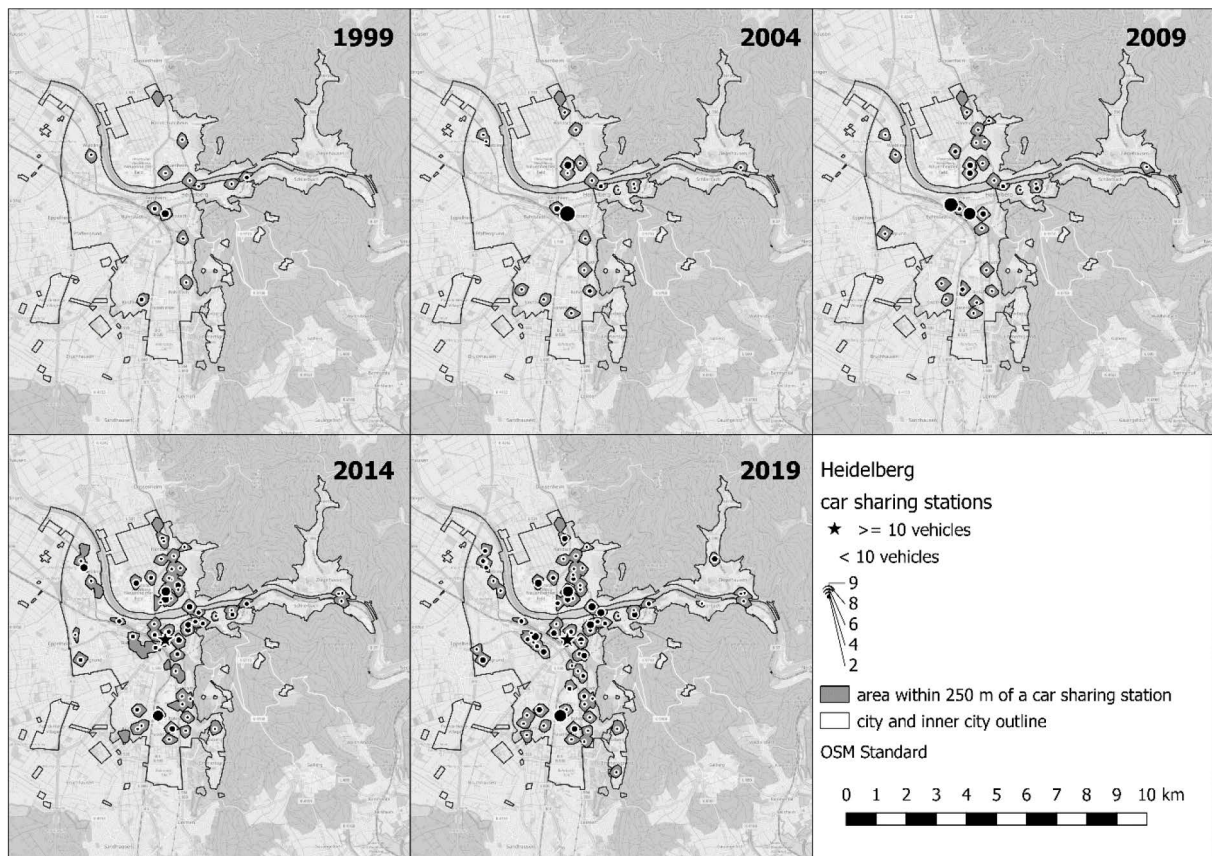


Figure 8 Heidelberg changes in carsharing stations

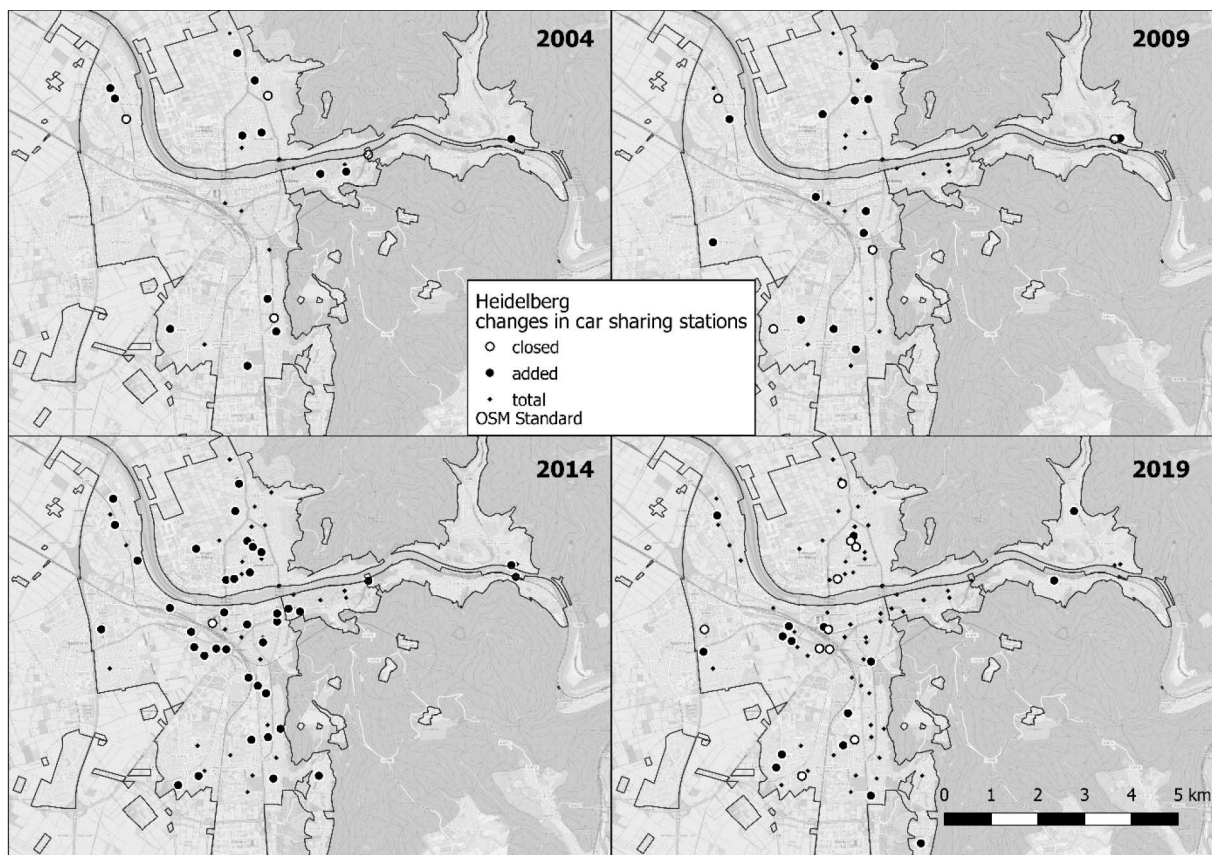


Figure 9 Freiburg stations and car development

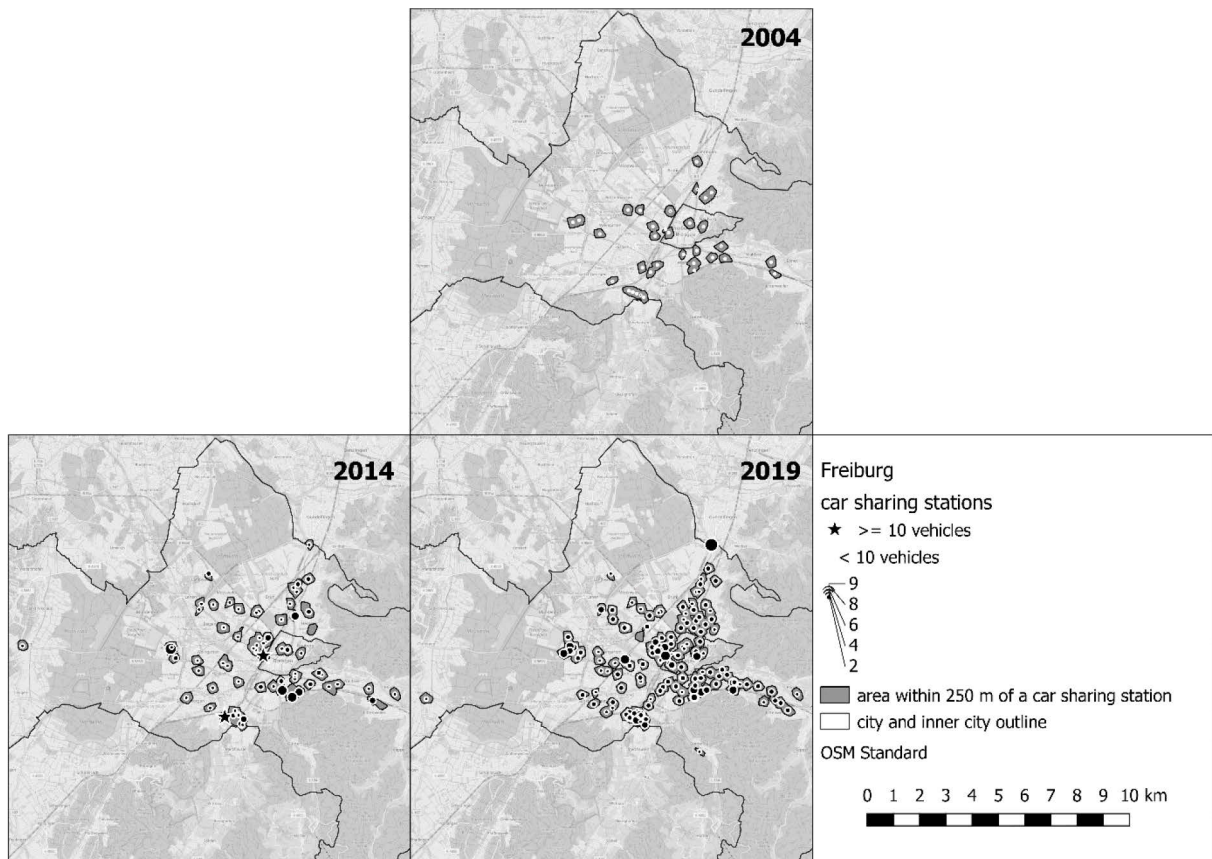
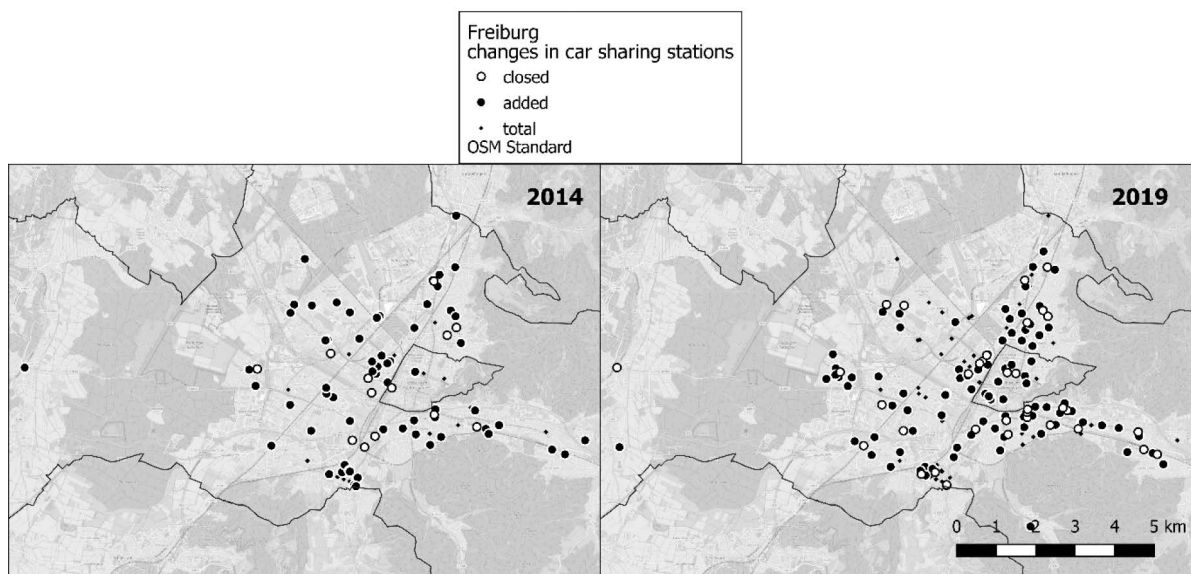
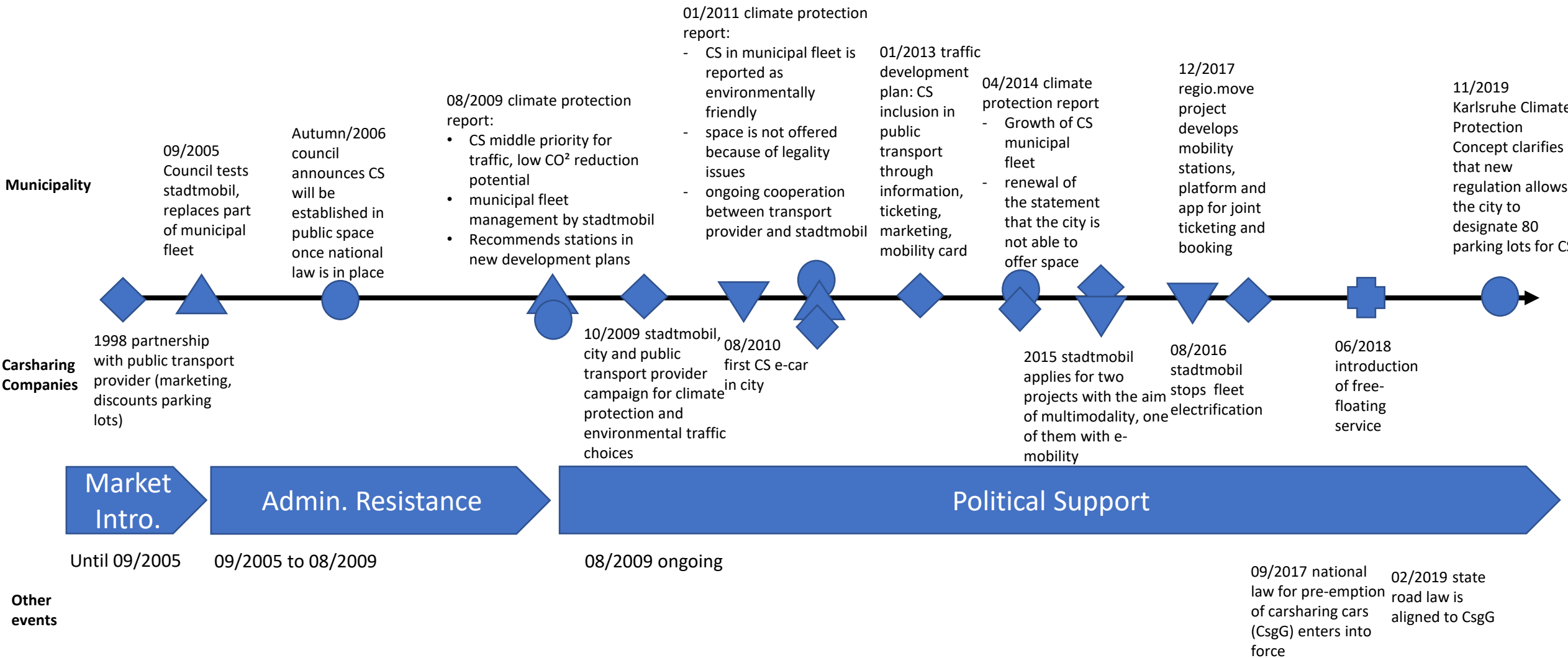
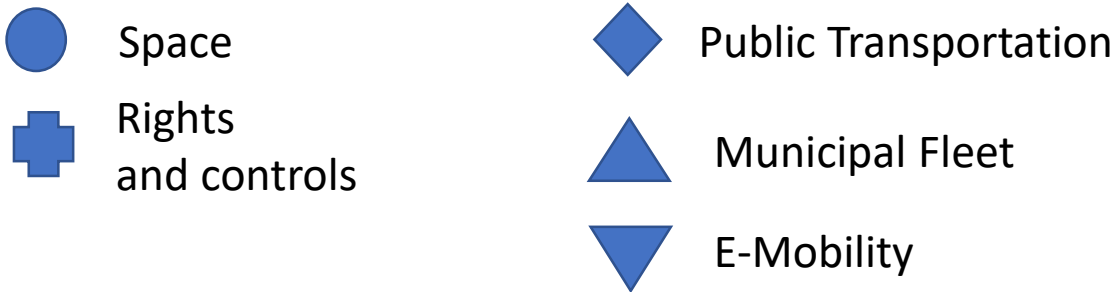


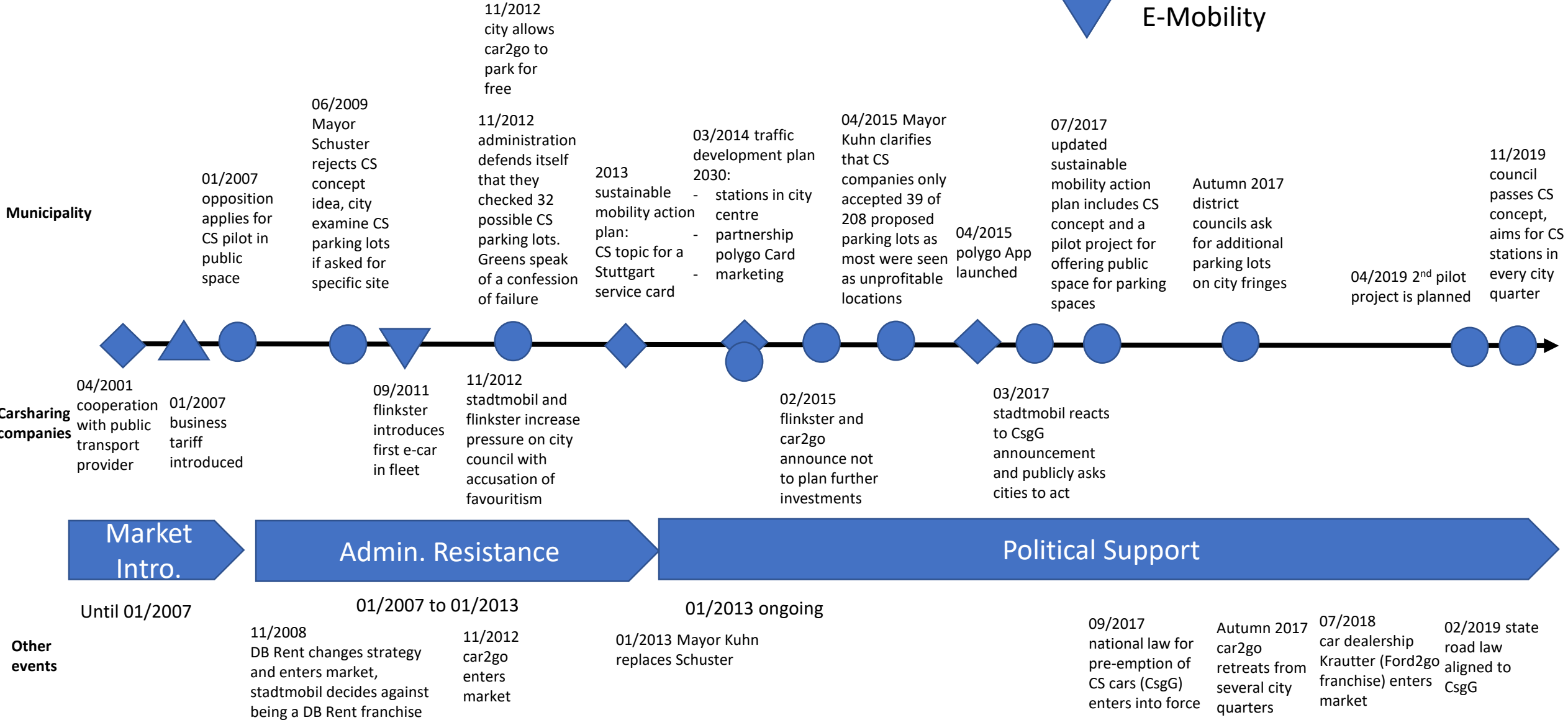
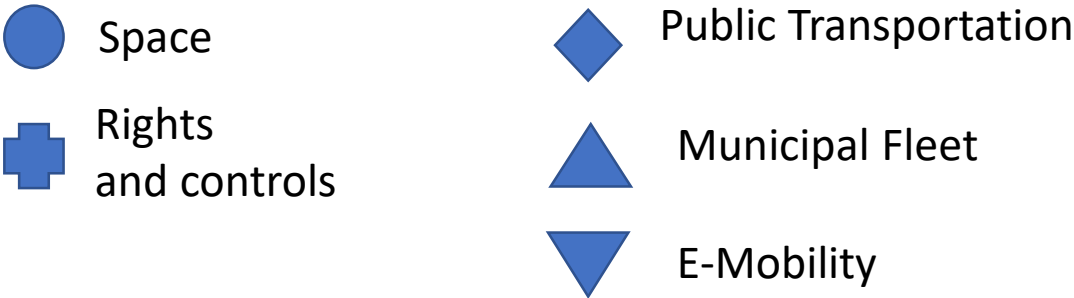
Figure 10 Freiburg changes in carsharing stations



Karlsruhe



Stuttgart



Heidelberg



Space



Rights
and controls



Public Transportation



Municipal Fleet



E-Mobility

Municipality

1998
administration
starts using CS

11/2011 councillor
asks administration
how they could
improve CS parking
scarcity;
administration
answers they would
offer space if
possible

06/2014 climate
protection masterplan.
Aim: increase CS usage and
station in city.
Main topics:
- search for public space
solution
- proactive search for
parking lots in
communal space

08/2016 study claims
that JoeCar is
dependent on
exceptional rules.
People in Mannheim
and Heidelberg use
the system like
stationed cars

01/2018
Heidelberg
start
construction
of loading
points

03/2018
sustainable
mobility
masterplan: CS
named only in
support for
using emission
free cars

03/2018
Greens ask
council to
hand out
parking lots in
public space
in specific
quarters

08/2018
JoeCar's
pilot
project is
prolonged

Carsharing
companies

09/1996
cooperation
with public
transport
provider in
ticketing

09/1999
sign cooperation
with public
transport
provider on
discounts and
marketing

2004 business
and
administration
tariff

2012
stadtmobil
develops
free-floating
concept

07/2014 stadtmobil
launches JoeCar
under special
allowance for
parking in residents'
parking lots

2015
stadtmobil is
eager to
pursue the
JoeCar
project

06/2015
stadtmobil
introduces
first e-cars
in fleet

01/2018
stadtmobil
hands in a
list of needs
via the
green party

Market
Intro.

Until 1998

Admin. Resistance

1998 -06/2014

Political Support

06/2014 to 08/2018

Topic decline

08/2018 ongoing

Other
events

09/2017
national law for
pre-emption of
CS cars (CsgG)
enters into force

02/2019 state
road law is
aligned

11/2019 updated
climate
protection
masterplan: CS is
not a topic

Mannheim



Space



Rights
and controls



Public Transportation



Municipal Fleet



E-Mobility

Municipality

2000-2001
Research project:
relationship
between public
transport and CS

01/2007 City
starts pilot
project as a
CS member

Mid/2009 sustainable
energy action plan
2020:
- mobility points and
marketing
- fostering CS through
responsible person
in administration

2011 city
disclaims CS
stations as pilot
projects in
connection to
public transport

03/2015 Greens
suggest concept
that deviates
from required
number of car
parks

08/2016 study
claims that
JoeCar is
dependent on
exceptional rules.
People in
Mannheim and
Heidelberg use
the system like
stationed cars

03/2018
sustainable
mobility
masterplan:
CS named
only in
supporting
CS in using
emission
free cars

08/2018
JoeCar's
pilot
project is
prolonged

Carsharing
companies

09/1996
cooperation
with public
transport
provider in
ticketing

09/1999 sign
cooperation
with public
transport
provider on
discounts and
marketing

2004 business
and
administration
tariff

2012
stadtmobil
develops
free-floating
concept

03/2013 stadtmobil
launches JoeCar
under special
allowance for
parking in residence
parking lots

2015
stadtmobil is
eager to
pursue JoeCar
project

06/2015
stadtmobil
introduces
first e-cars in
fleet

Market Intro.

Admin. Resistance

Political Support

Topic decline

Until 2000

2000 to Mid 2009

Mid 2009 to 08/2018

08/2018 ongoing

Other
events

09/2017 national
law for pre-emption
of CS cars (CsgG)
enters into force

02/2019
state road
law aligned
to CsgG

02/2019 climate
adaptation plan:
CS named only in
a bracket

Freiburg

