Table 1 Distribution of sources

<table>
<thead>
<tr>
<th>Type</th>
<th>Freiburg</th>
<th>Karlsruhe</th>
<th>Stuttgart</th>
<th>Mannheim</th>
<th>Heidelberg</th>
<th>State</th>
<th>National</th>
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<tbody>
<tr>
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<td>Scientific writings</td>
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<td>186</td>
<td>60</td>
<td>213 ** (49+55)</td>
<td>13</td>
<td>83</td>
<td>894</td>
</tr>
</tbody>
</table>

*As stadtmbil 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

<table>
<thead>
<tr>
<th>DATA SOURCES</th>
<th>DETAILS</th>
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</table>
| **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
Stuttgart

Public Transportation
Municipal Fleet
Space
Rights and controls
E-Mobility

Market Intro.
Admin. Resistance
Political Support

Public Transportation
Municipal Fleet
Space
Rights and controls
E-Mobility

04/2001 cooperation with public transport provider
01/2007 opposition applies for CS pilot in public space
06/2009 Mayor Schuster rejects CS concept idea, city examine CS parking lots if asked for specific site
01/2007 business tariff introduced
09/2011 flinkster introduces first e-car in fleet
01/2013-ongoing Mayor Kuhn replaces Schuster
11/2008 DB Rent changes strategy and enters market, stadtmobil decides against being a DB Rent franchise

Carsharing companies

09/2011 flinkster introduces first e-car in fleet
01/2007 business tariff introduced
01/2013 ongoing Mayor Kuhn replaces Schuster
11/2008 DB Rent changes strategy and enters market
11/2012 car2go enters market

Municipality

06/2009 Mayor Schuster rejects CS concept idea, city examine CS parking lots if asked for specific site
01/2007 opposition applies for CS pilot in public space
01/2013-ongoing Mayor Kuhn replaces Schuster
11/2008 DB Rent changes strategy and enters market, stadtmobil decides against being a DB Rent franchise
11/2012 administration defends itself that they checked 32 possible CS parking lots. Greens speak of a confession of failure
11/2012 city allows car2go to park for free
03/2014 traffic development plan 2030: - stations in city centre - partnership polygo Card marketing
03/2014 traffic development plan 2030: - stations in city centre - partnership polygo Card marketing
04/2015 polygo App launched
04/2015 flinkster and car2go announce not to plan further investments
06/2009 Mayor Schuster rejects CS concept idea, city examine CS parking lots if asked for specific site
07/2017 updated sustainable mobility action plan includes CS concept and a pilot project for offering public space for parking spaces
02/2015 2nd pilot project is planned
02/2015 2nd pilot project is planned
11/2019 council passes CS concept, aims for CS stations in every city quarter

Other events

04/2017 stadtmobil reacts to CsgG announcement and publicly asks cities to act
07/2017 updated sustainable mobility action plan includes CS concept and a pilot project for offering public space for parking spaces
11/2019 council passes CS concept, aims for CS stations in every city quarter
07/2018 car dealership Krautter (Ford2go franchise) enters market
11/2019 council passes CS concept, aims for CS stations in every city quarter
11/2019 council passes CS concept, aims for CS stations in every city quarter
09/2017 national law for pre-emption of CS cars (CsgG) enters into force
02/2019 state road law aligned to CsgG

Autumn 2017 district councils ask for additional parking lots on city fringes

Autumn 2017 district councils ask for additional parking lots on city fringes

04/2015 Mayor Kuhn clarifies that CS companies only accepted 39 of 208 proposed parking lots as most were seen as unprofitable locations
03/2017 stadtmobil reacts to CsgG announcement and publicly asks cities to act

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

11/2008 DB Rent changes strategy and enters market, stadtmobil decides against being a DB Rent franchise

02/2019 state road law aligned to CsgG

07/2018 car dealership Krautter (Ford2go franchise) enters market

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11/2019 council passes CS concept, aims for CS stations in every city quarter
Public Transportation
Municipal Fleet
E-Mobility

Space
Rights and controls

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

06/2015 stadtmobil introduces first e-cars in fleet

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

08/2018 JoeCar’s pilot project is prolonged

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

Public Transportation
Municipal Fleet
E-Mobility
Space
Rights and controls

Carsharing companies

Municipality

Market Intro.
Admin. Resistance
Political Support
Topic decline

09/1996 cooperation with public transport provider in ticketing
09/1999 sign cooperation with public transport provider on discounts and marketing
Mid/2009 sustainable energy action plan for 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

09/1999 sign cooperation with public transport provider on discounts and marketing
2000 to Mid 2009
2004 business and administration tariff
2011 city disclaims CS stations as pilot projects in connection to public transport
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

02/2019 climate adaptation plan: CS named only in a bracket
08/2018 ongoing

09/2017 national law for pre-emption of CS cars (CsgG) enters into force
08/2016 study claims that JoeCar is dependent on exceptional rules. People in Mannheim and Heidelberg use the system like stationed cars
03/2015 Greens suggest concept that deviates from required number of car parks
03/2018 sustainable mobility masterplan: CS named only in supporting CS in using emission free cars
08/2018 JoeCar’s pilot project is prolonged

09/1999 cooperation with public transport provider in ticketing
2000-2001 Research project: relationship between public transport and CS
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
2011 city disclaims CS stations as pilot projects in connection to public transport

Until 2000
2000 to Mid 2009
Mid 2009 to 08/2018
08/2018 ongoing

Other events
Freiburg

- **Public Transportation**
- **Municipal Fleet**
- **E-Mobility**

### Carsharing companies

- **06/1997**: CS part of neighbourhood development plan
- **2002**: Freiburger Autogemeinschaft requests inclusion in mobility concepts
- **10/2004**: Mobility card introduced
- **2002 Freiburger Autogemeinschaft requests inclusion in mobility concepts**
- **01/2003**: administration answers Greens:
  - trial CS as a customer
  - handing out communal space only possible through amendments
  - CS implemented in new construction areas
  - other topics not possible due to lack of national law
  - mobility card is a topic for public transport provider and Freiburger Autogemeinschaft
- **05/2008**: traffic development plan:
  - mobile app
  - mobility points
  - city marketing
- **05/2007**: Traffic development plan:
  - mobile app
  - mobility points
  - city marketing
- **11/2011**: Advisory opinion (Öko Institute) is summarized as traffic structure improvement
- **2012**: CS action plan report:
  - public space amendment cooperation in marketing, ticketing and mobile app
  - fostering corporate CS
- **12/2014**: stadtmobil launches my-e-car with Energiedienst
- **03/2015**: CS parking lot concept:
  - city quarters categorized in CS potential
  - mobility points defined
  - city covers infrastructure costs
  - 450 parking lots distributed
- **06/2016**: Stadtmobil states that 190 parking lots (of the 450) are now in action
- **03/2019**: Stadtmobil states that the city is not supportive in their price design
- **05/2008**: Civil engineering department head change
- **06/1997**: CS part of neighbourhood development plan
- **04/2012**: Grüne Flotte founded
- **09/2017**: National law for pre-emption of CS cars (CsgG) enters into force
- **01/2019**: Updated climate protection concept. CS not set with new goals
- **02/2019**: State road law aligned to CsgG

### Other events

- **12/2018**: stadtmobil states that the city is not supportive in their price design

### Topic decline

- **1997 to 05/2008**
- **05/2008 to 12/2018**
- **09/2017**: National law for pre-emption of CS cars (CsgG) enters into force
- **01/2019**: Updated climate protection concept. CS not set with new goals
- **02/2019**: State road law aligned to CsgG