

CarSharing results from Germany

Momo Car-Sharing Evaluation Workshop

9th June 2011, ENEA, Rome

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State of Car-Sharing in Germany

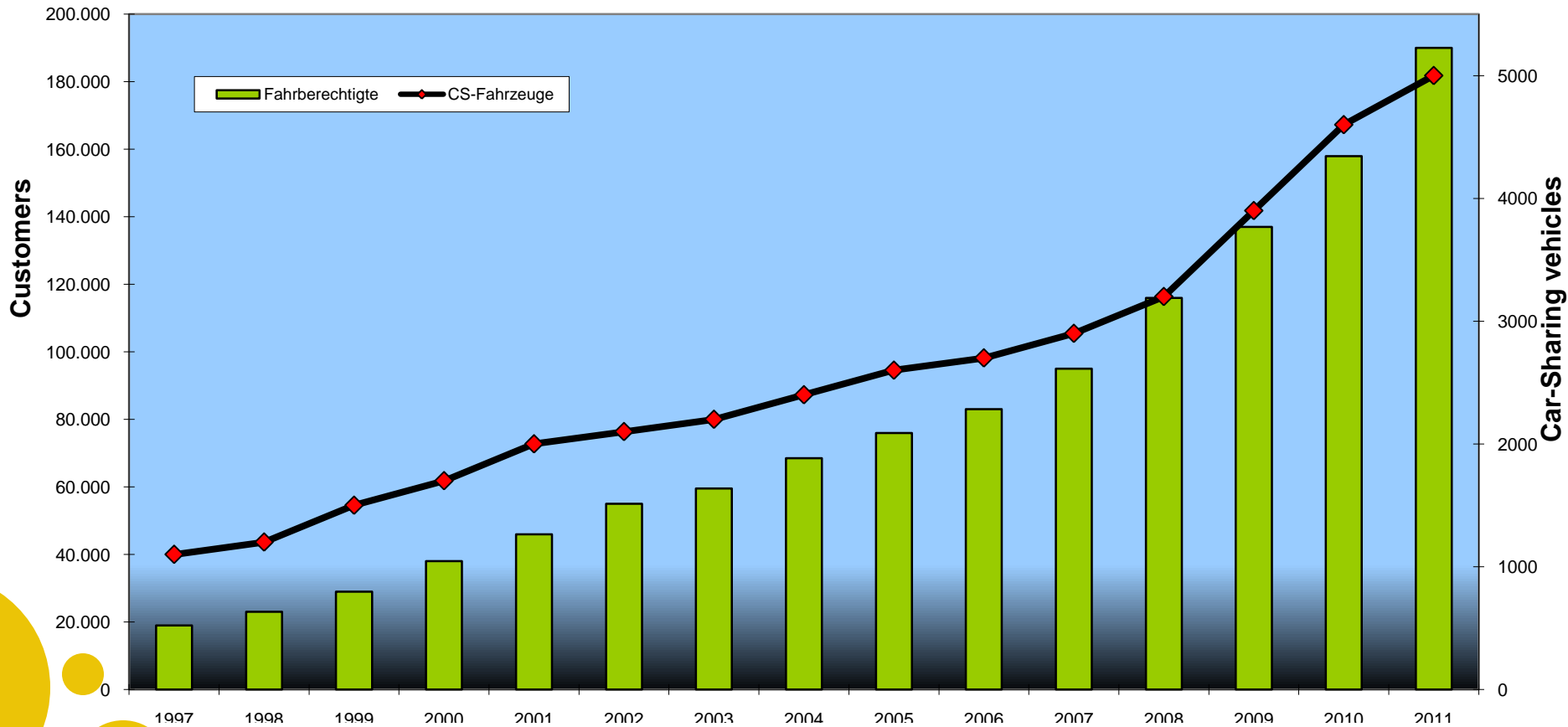
- App. 130 Car-Sharing organisations in Germany, 93 of them are members of bcs.
- 190.000 Car-Sharing customers, 93% registered by bcs members.
- 5.000 Car-Sharing vehicles, 91% belonging to bcs members.
- 2.200 Car-Sharing locations.
- 300 cities and communities with a Car-Sharing service.
- In the statistical average there are 38 customers on every Car-Sharing vehicle.
- About 25 % of the Car-Sharing customers are business customers.

All data at the beginning of 2011

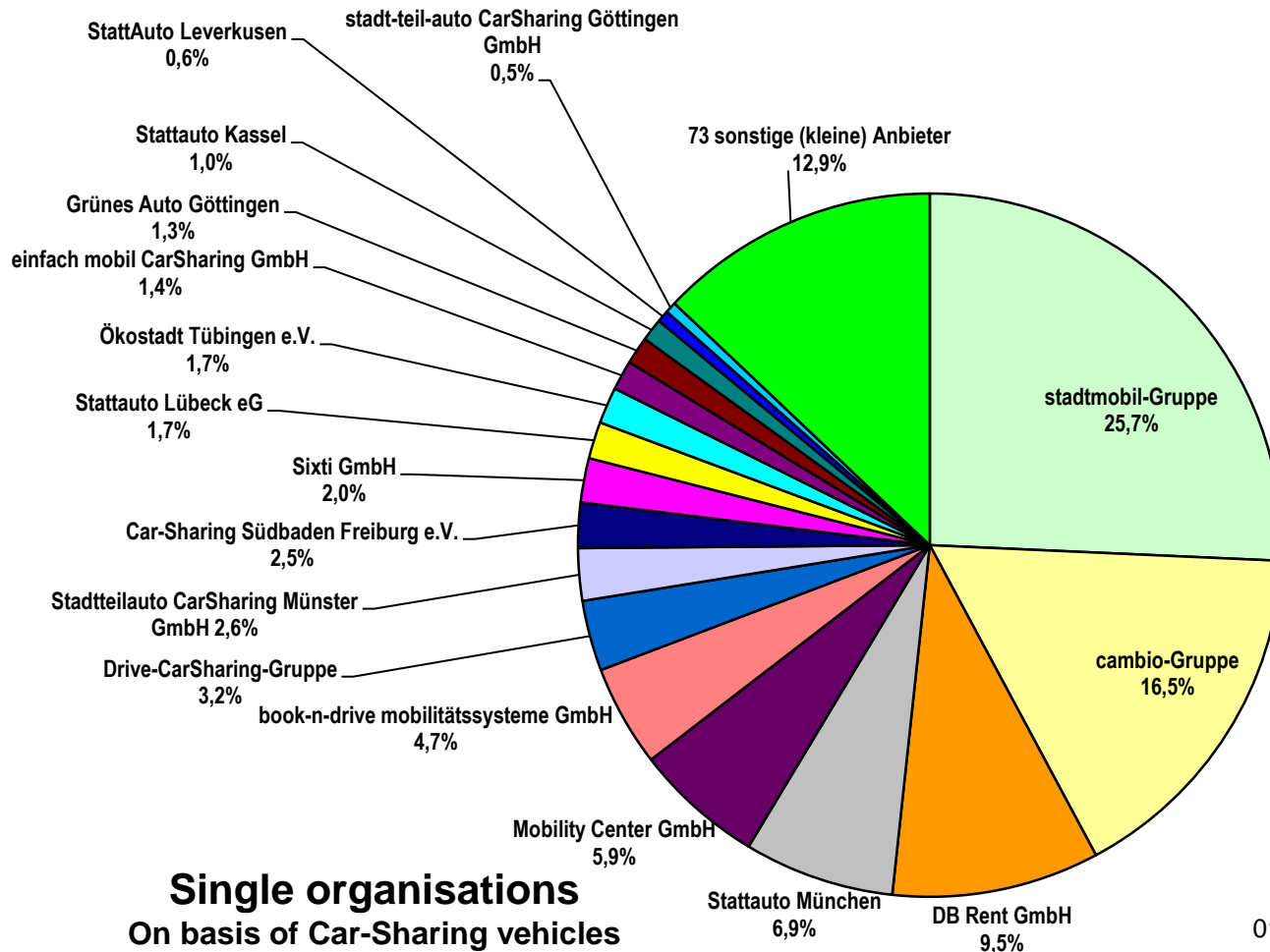


Development of Car-Sharing in Germany

jeweils zum 01.01. des Jahres



German Car-Sharing market

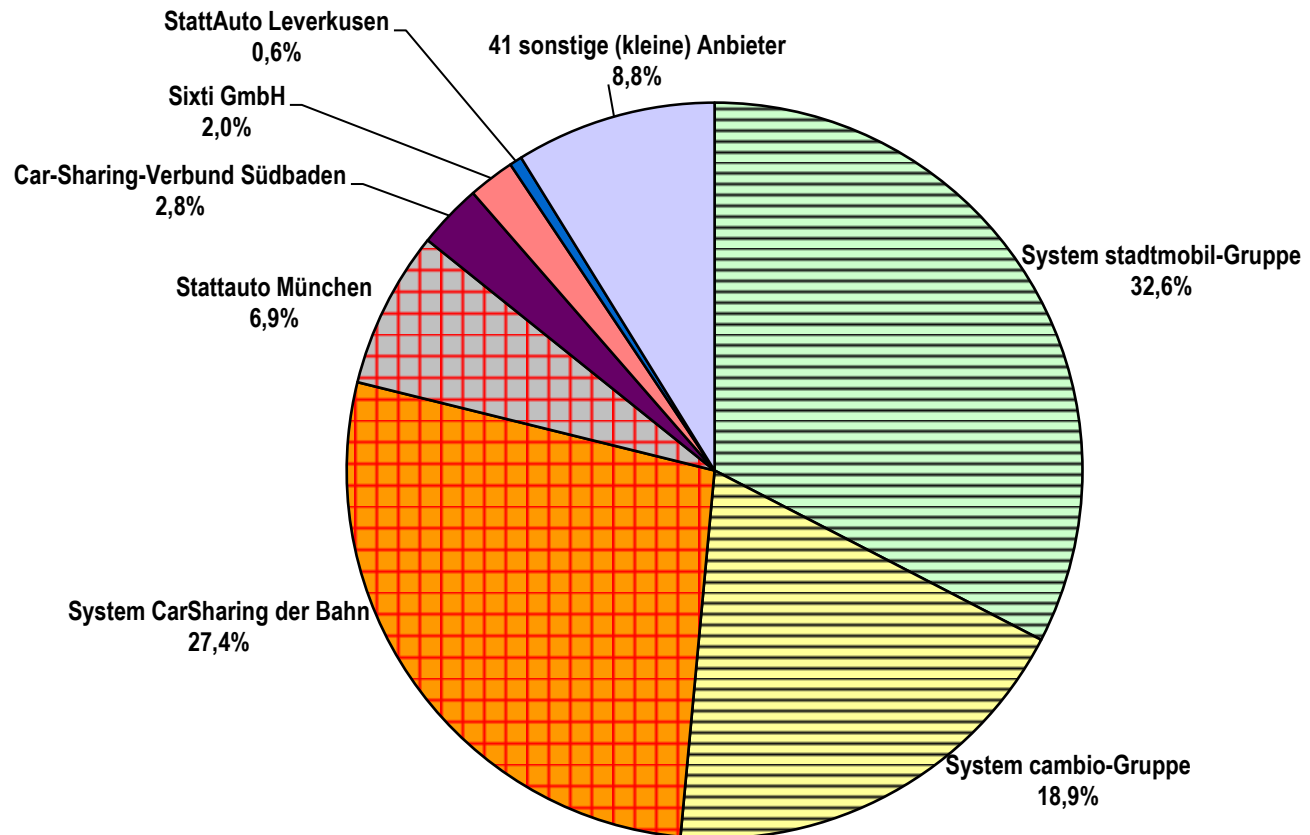


Single organisations
On basis of Car-Sharing vehicles

01.01.2011



German Car-Sharing market



Car-Sharing booking systems
On basis of Car-Sharing vehicles

01.01.2011



Munich: CO₂ savings through vehicles



152 g/km CO₂

New private
passenger cars
Average 2010
Source: Kraftfahrt-
Bundesamt

- 12 %

133 g/km CO₂

Average Car-Sharing fleet
STATTAUTO München , May 2011
Source: STATTAUTO München



Car-Sharing reduces Parking Pressure

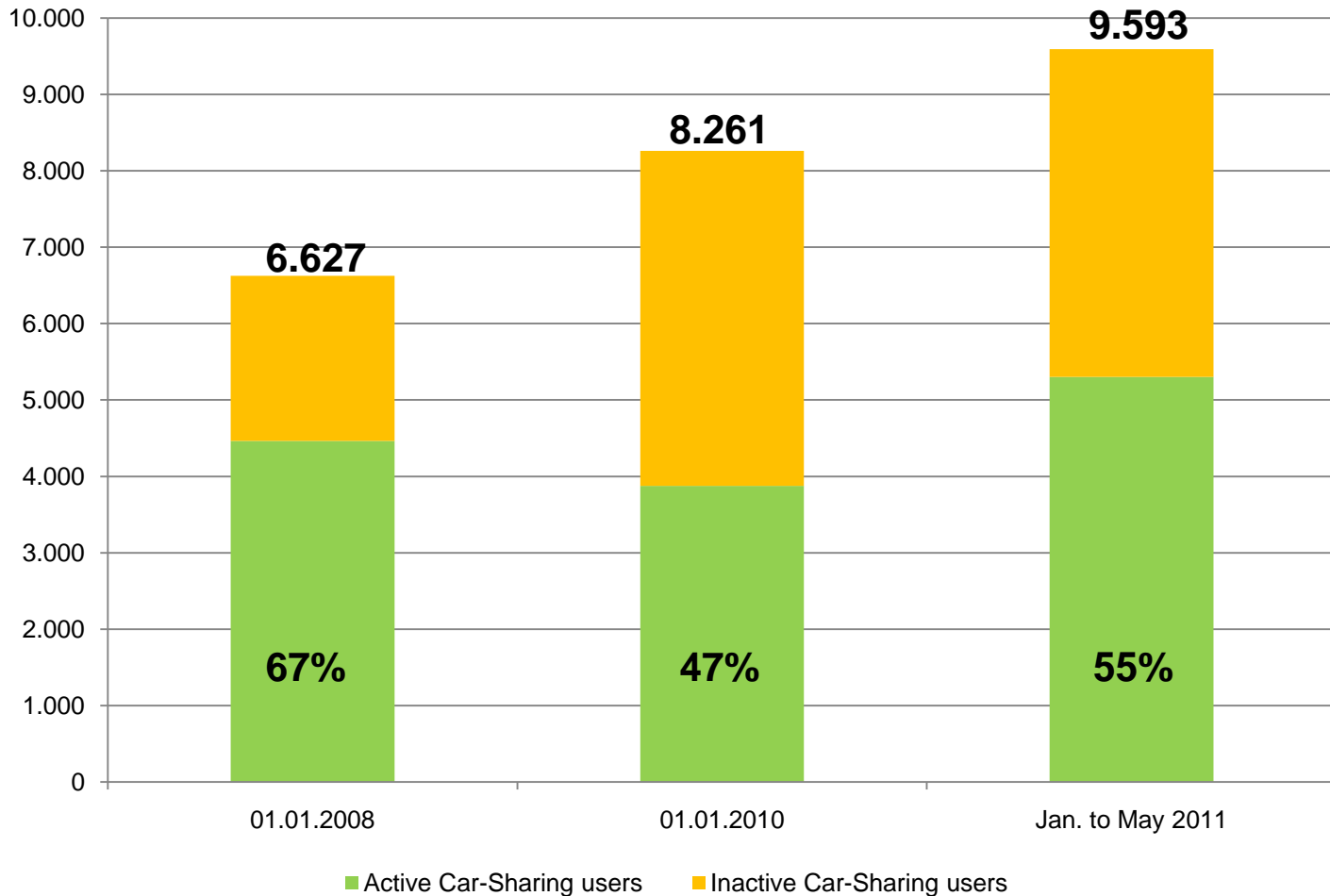


Car-Sharing reduces Parking Pressure



**Every Car-Sharing
vehicle replaces
4 to 8 private
passenger cars**

Munich: Development of Car-Sharing customers

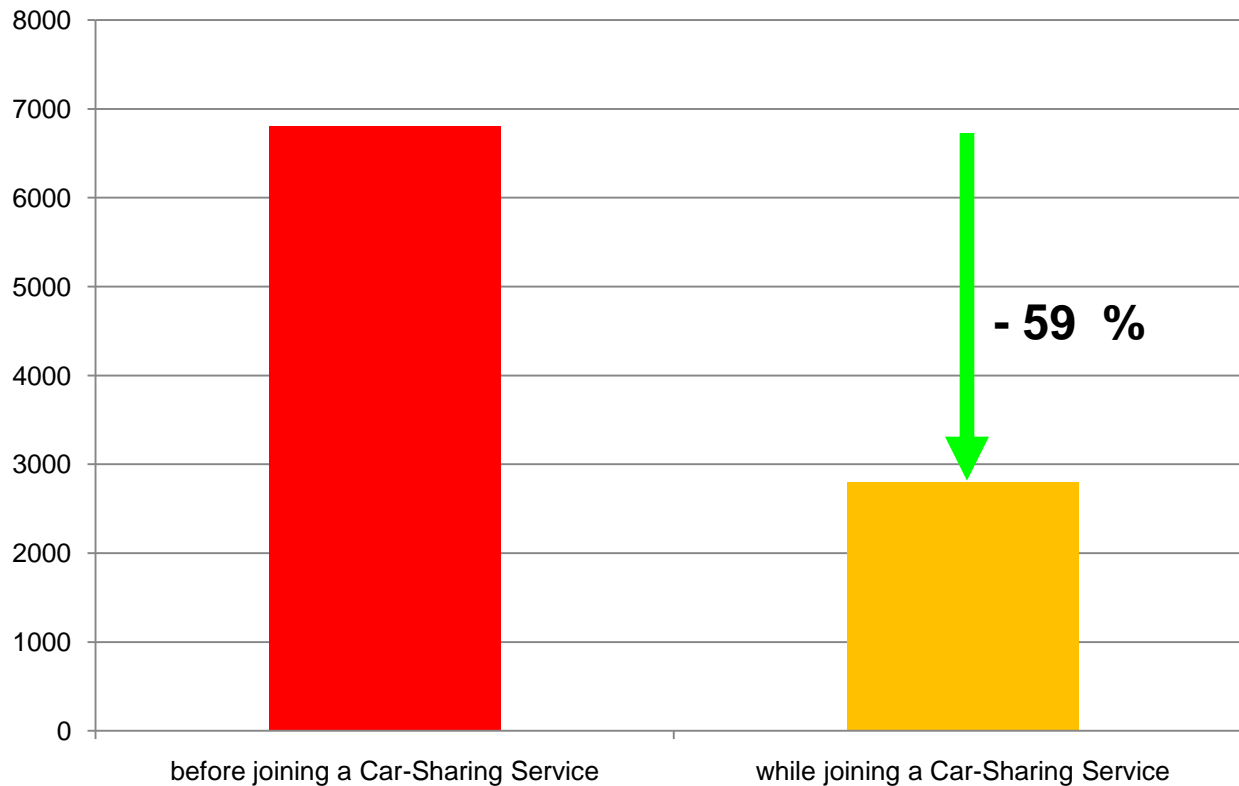


Source: STATTAUTO München



Munich: Car-Sharing customers reduce their Car Kilometers

Kilometers per Year driven by Cars



Source: Questioning of Car-Sharing members of STATTAUTO München, carried out by MVV (Munich Tariff and Transport Combine), April/May 2011



Car-Sharing as Measure for Climate Protection

**Result of a Swiss Car-Sharing evaluation
survey, published 2006:**

**Every active Car-Sharing user relieves the environment per year
with 290 kg green gas emissions less;**

- + using smaller cars, when driving by car,
- + through an environmental friendly modal shift with more using Public Transport, cycling and walking.



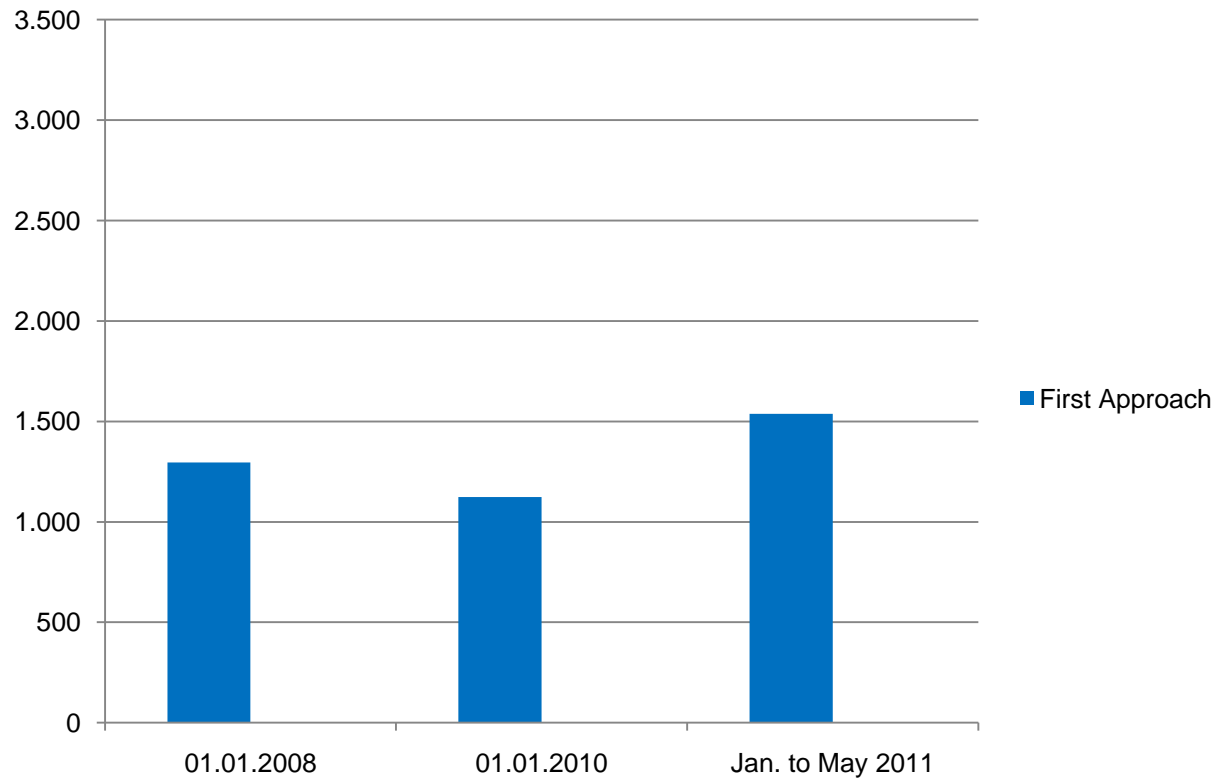
Munich: CO₂ reduction by Car-Sharing customers – First approach

All Car-Sharing customers

- Number of inactive customers
- = Number of active customers
- x 290 kg CO₂
- = CO₂ reduction per year in tons through Car-Sharing customers



Munich: CO₂ reduction by Car-Sharing customers – First approach



Munich: CO₂ reduction by Car-Sharing customers – Second approach

All Car-Sharing customers

- Number of inactive customers

= Number of active customers

Car kilometers before joining the Car-Sharing service

x specific CO₂ emissions of average private cars

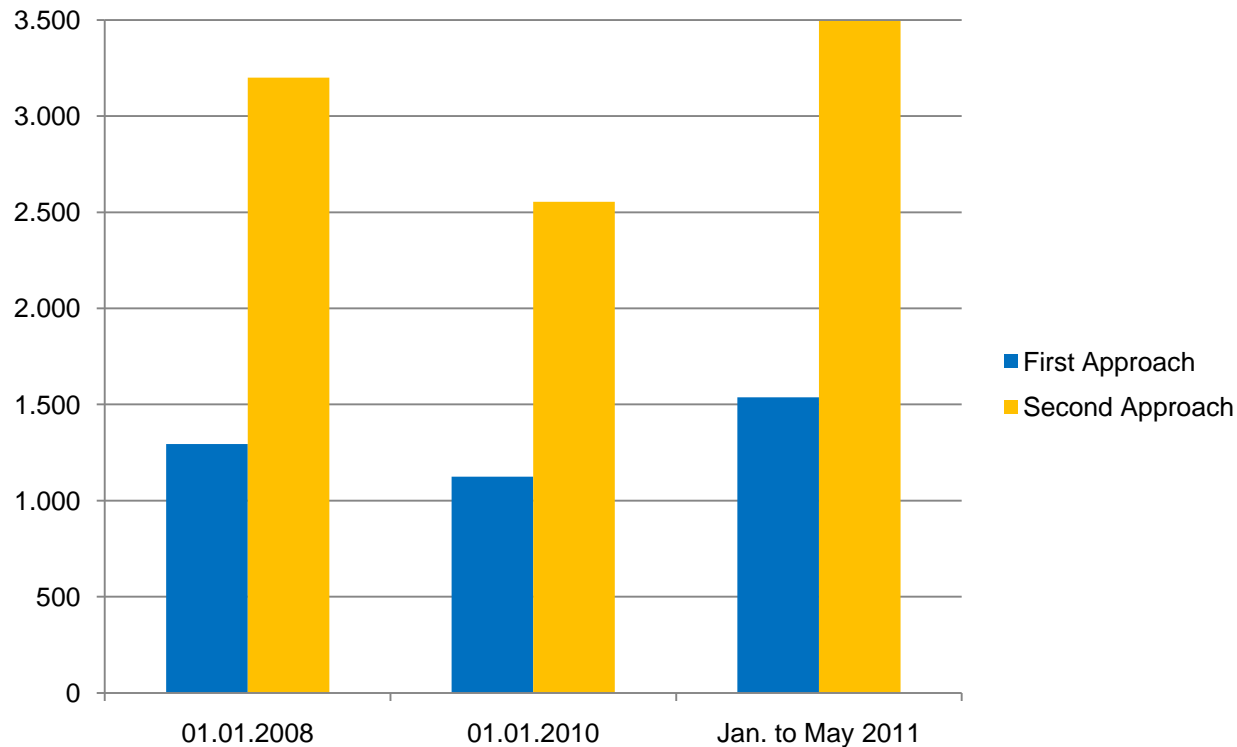
- Car kilometers while joining the Car-Sharing service

x specific CO₂ emissions of Car-Sharing cars

x Number of active customers



Munich: CO₂ reduction by Car-Sharing customers – Second approach



Germany: Environmental Impacts by Car-Sharing customers

	01.01.2008	01.01.2010	01.01.2011
Saved CO₂ emissions			
Approach 1	26.912 t CO ₂	36.656 t CO ₂	44.080 t CO ₂
Approach 2	68.291 t CO ₂	86.149 t CO ₂	104.023 t CO ₂
Reduction of private cars	25.600	36.800	40.000



Many thanks for your attention.

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