CiVITAS FORUM 2014

CIVITAS ANNUAL CONFERENCE | 23-26 SEPTEMBER 2014 | CASABLANCA

CIVITAS FORUM 2014

25.09.2014

Casablanca

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RWTH Aachen University

THE CIVITAS INITIATIVE IS CO-FINANCED BY THE EUROPEAN UNION

Modal shift effects of mobility management measures at Aachen University

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City of Aachen

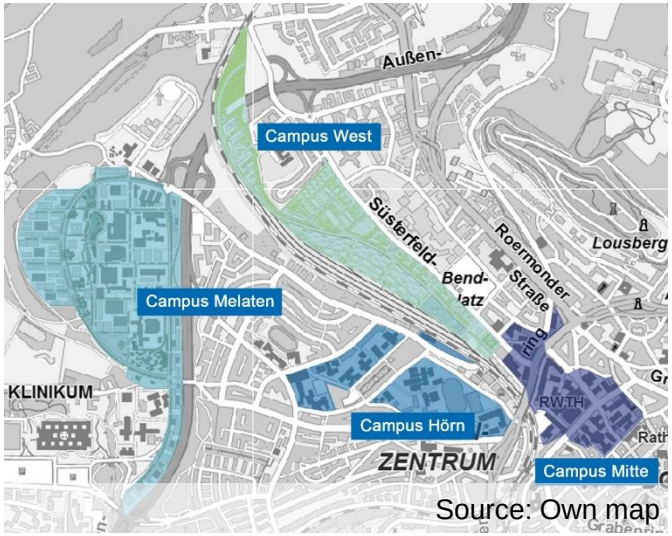
- **Most western large city of germany**
- **Border area of belgium, netherlands and germany**

- **261.762 inhabitants (2012)**
- **Very young population**
  - Average age of 41
- **Science city**
  - Around 52.000 students
  - RWTH Aachen University and University of Applied Science

RWTH Aachen University

- **4 university areas**
  - Plus individual, smaller locations in the urban area
- **Dispersed location of institutes and lecture halls**
- **9 faculties with 260 institutes at the university**

- **8.494 employees (April 2014)**
- **40.375 students (winter term 2013/2014)**

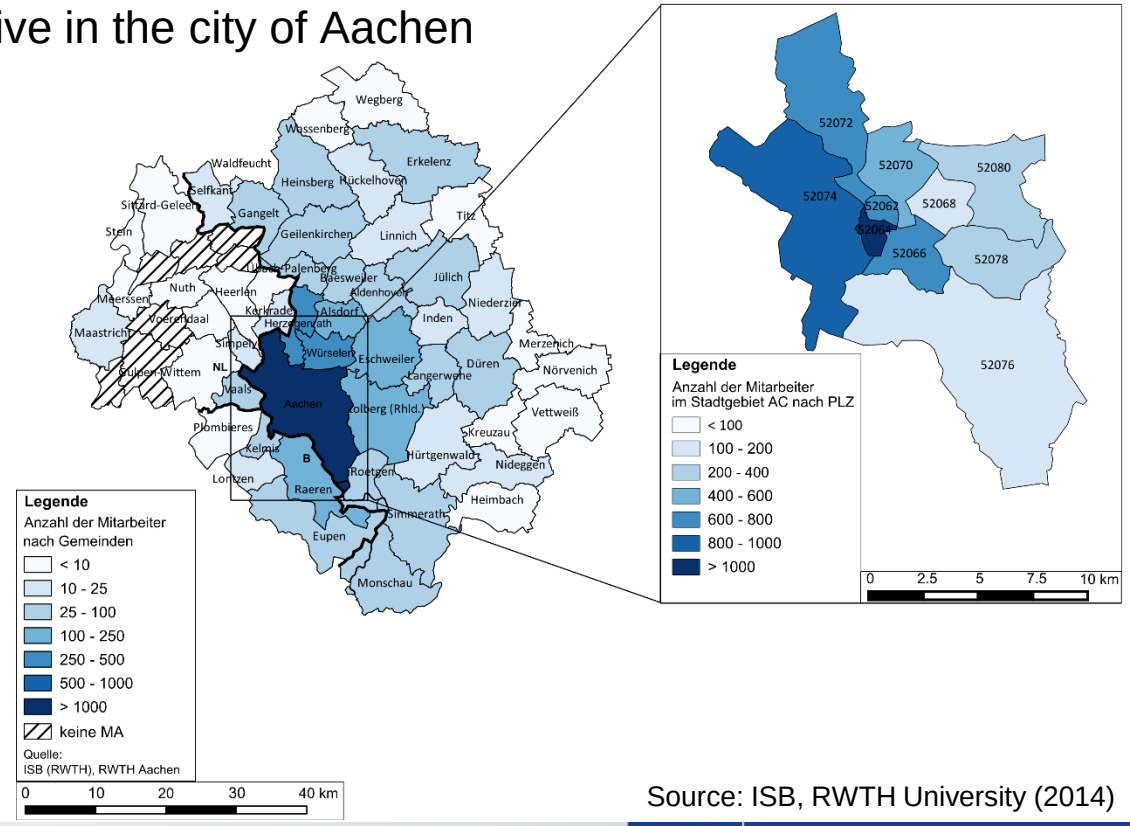


Source: Own map

Source: Own picture

Employees' places of residence

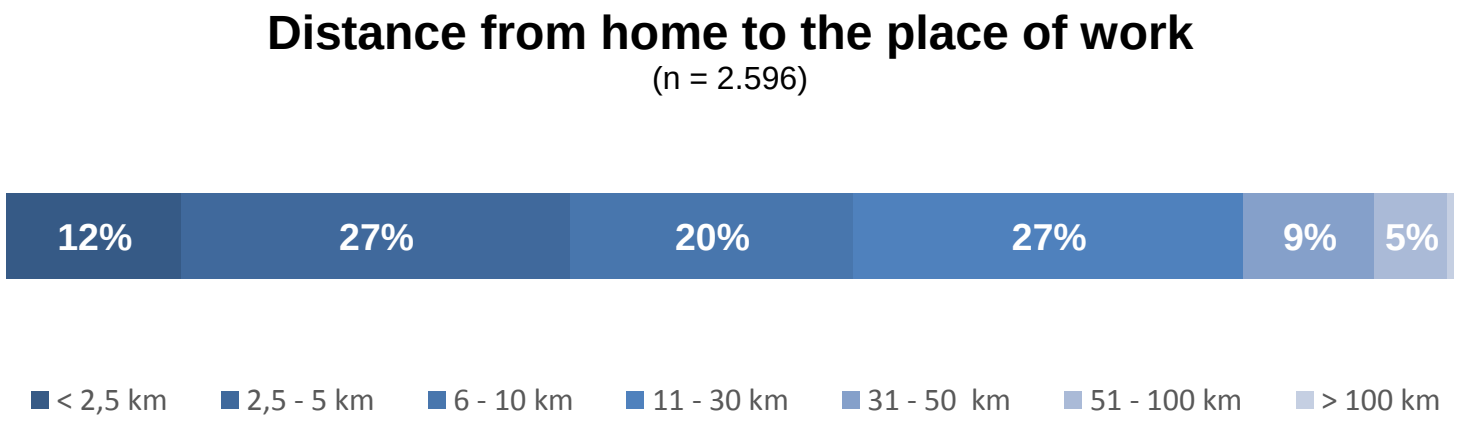
- **RWTH Aachen University**
  - More than 1.000 employees live in one cental postcode area (> 12 %)
    - max. distance to University = ~ 2,5 km (beeline)
  - 5.207 employees (62 %) live in the city of Aachen



Source: ISB, RWTH University (2014)

Employees' places of residence

- **Mobility survey 2013**
  - 1.011 employees (39 %) live in a distance of max. 5,0 km to the university (own estimation of the participants of the survey)



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Reasons for operating mobility management

- **The extended areas are currently in their development phase**
  - increase of ~ 10.000 jobs (only Campus Melaten)
- **Construction and proof of car parking space is requiered**
  - Lack of building land
  - Construction ist too expensive
- **Clean air plan**
  - To avoid „Low Emission Zone“ in Aachen

→ Masterplan Mobility of RWTH Aachen University

  - Traffic and mobility management

Source: Own picture

Timetable

2009
- **Masterplan Mobility of the Aachen University**

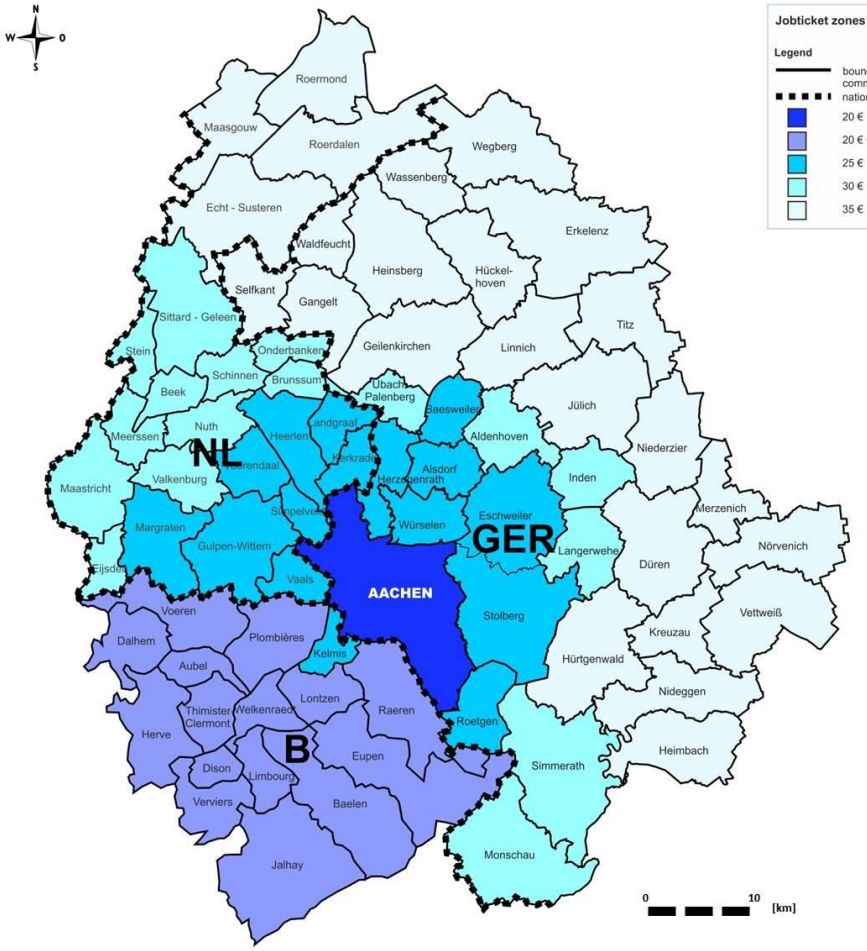
2010
- **1st mobility survey**
- Assessment of the interest in a jobticket
- 3.324 survey participants (43 %)

2011
- **Implementation of a jobticket and parking space management**

2013
- **2nd mobility survey**
- Mobility behaviour → Modal shift?
- Evaluation of cycling, parking and PT
- 2.612 survey participants (31 %)

Mobility management measures (extract)

- **Jobticket**
  - 20 – 35 € per month
  - Includes a parking permit
  - The University pays the difference to the standard price
- **Parking permit**
  - 5 € per month
  - allows to park in the parking areas of the university
  - Park monitoring by it´s own staff of the university (3-4 traffic wardens)
- **Bicycle racks**
  - Exchange and extension



Source: Own map; Data: RWTH Aachen University (2014)

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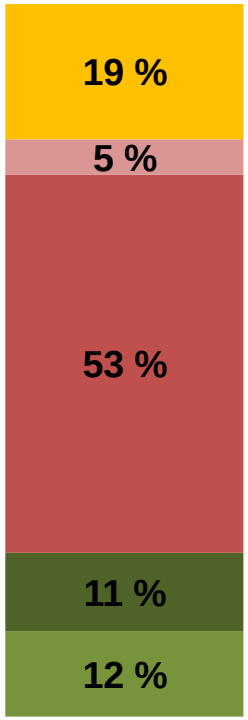
Success of the measures

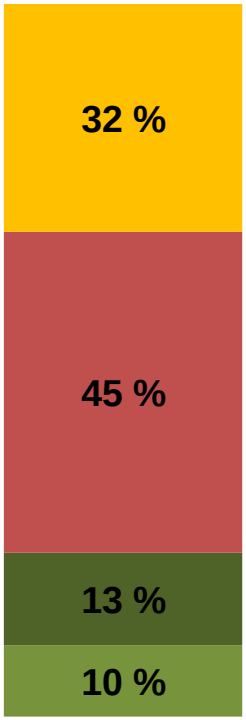
2010

Modal split



n = 2.802

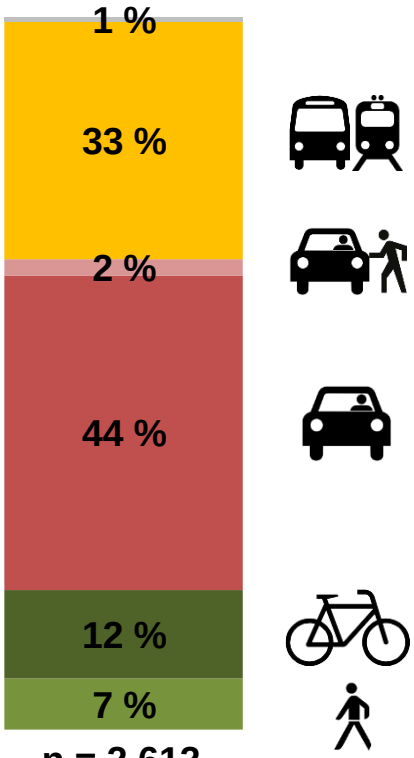
Intended use of transport in the future



n = 2.427

2013

Modal split



n = 2.612

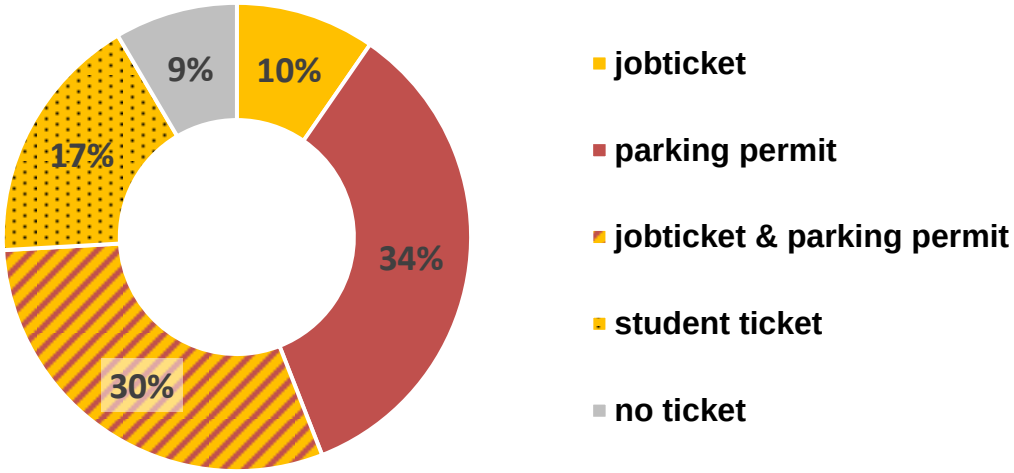
Question (2010): Which mode of transport will you use, when there is the jobticket and the parking space management?

Mobility services at the University

Mobility survey 2013

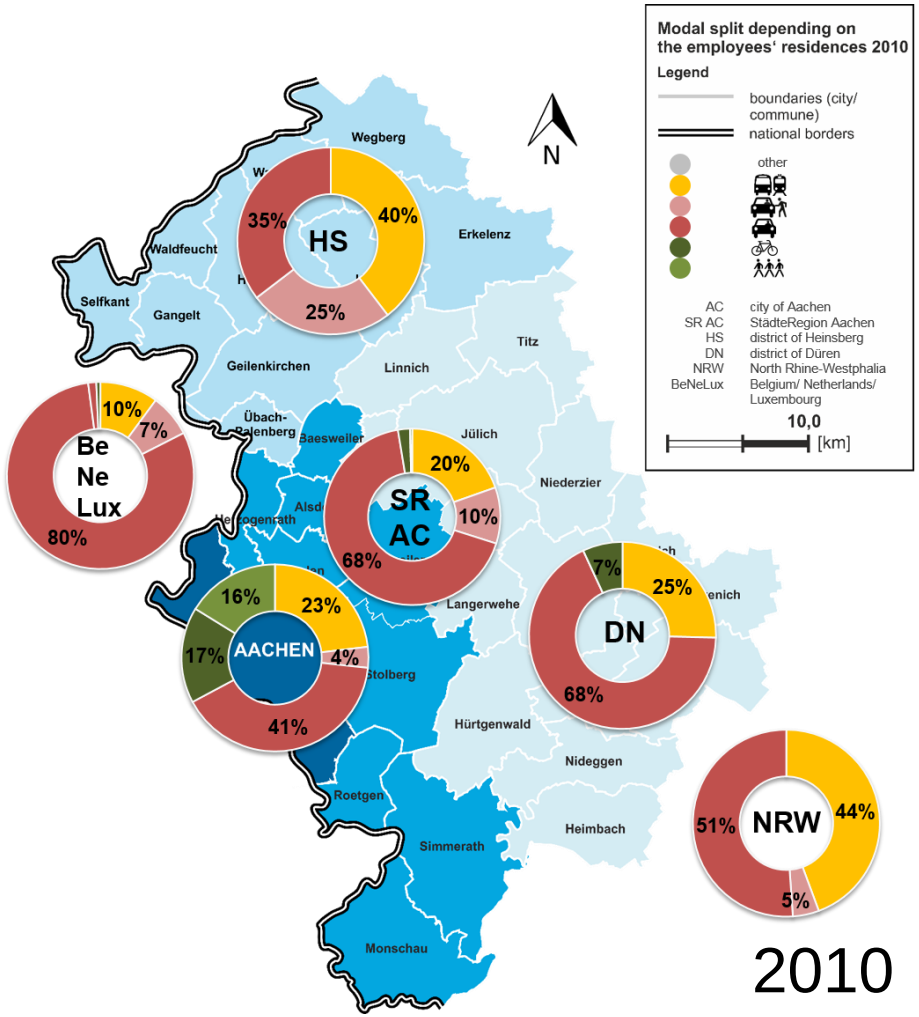
Which mobility service(s) do you use?

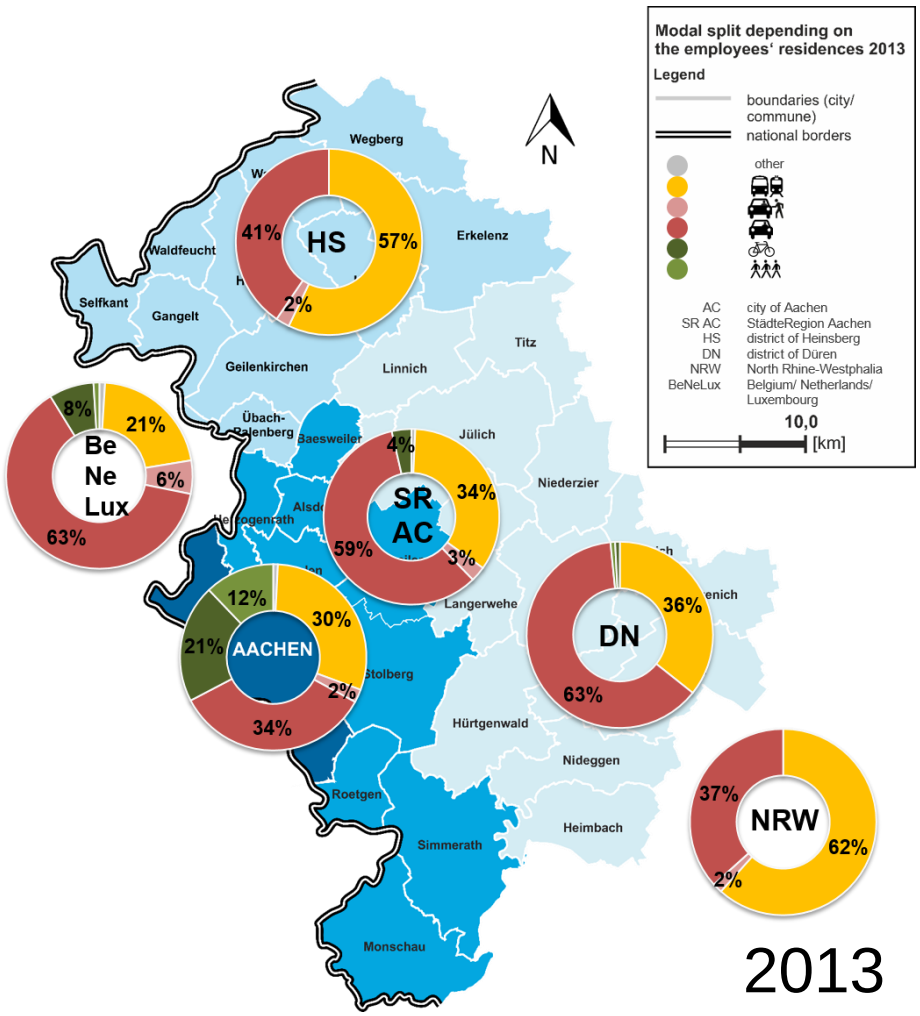
(n=2.460)



→ More than half of the probands (57 %) have a ticket for the public transport

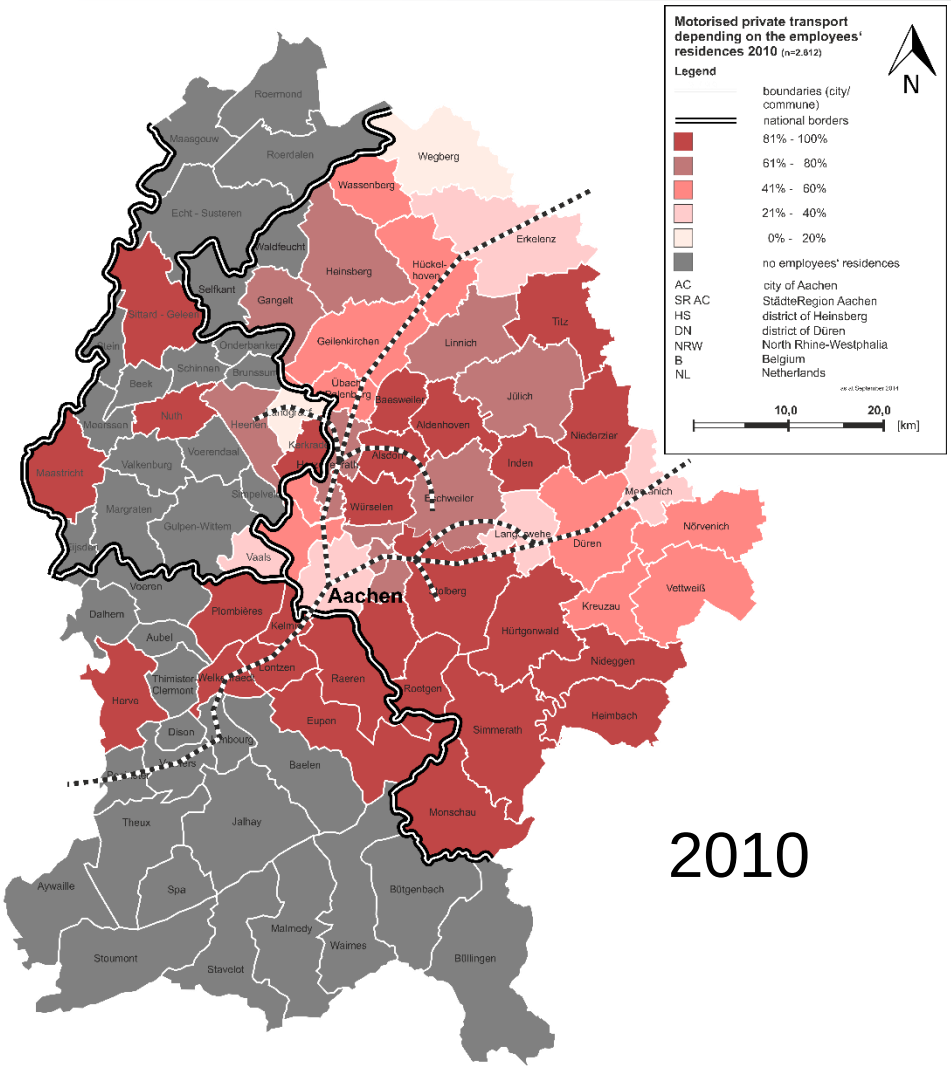
Modal Split depending on the employees‘ residence



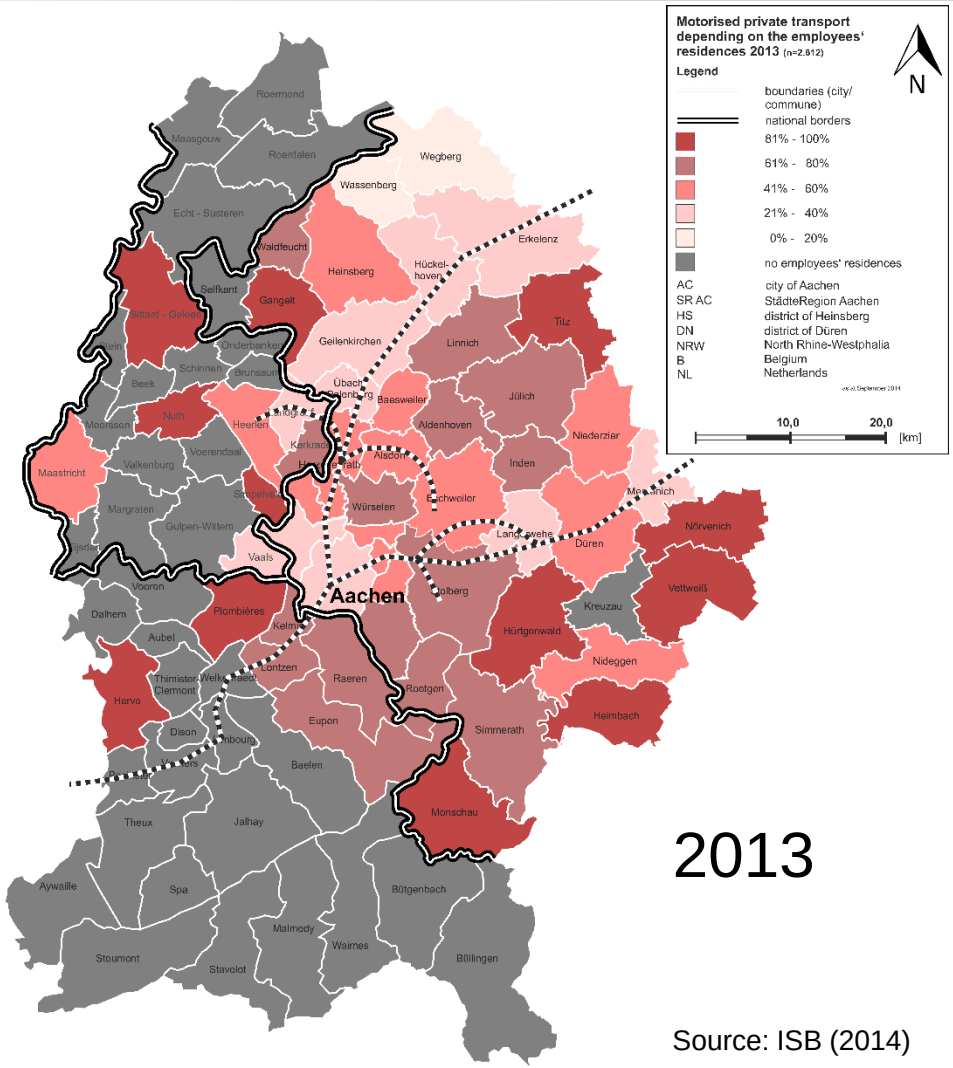


Source: ISB (2014)

Motorised private transport depending on the employees‘ residences



2010



2013

Source: ISB (2014)

Note: Motorised private transport as driver and passenger

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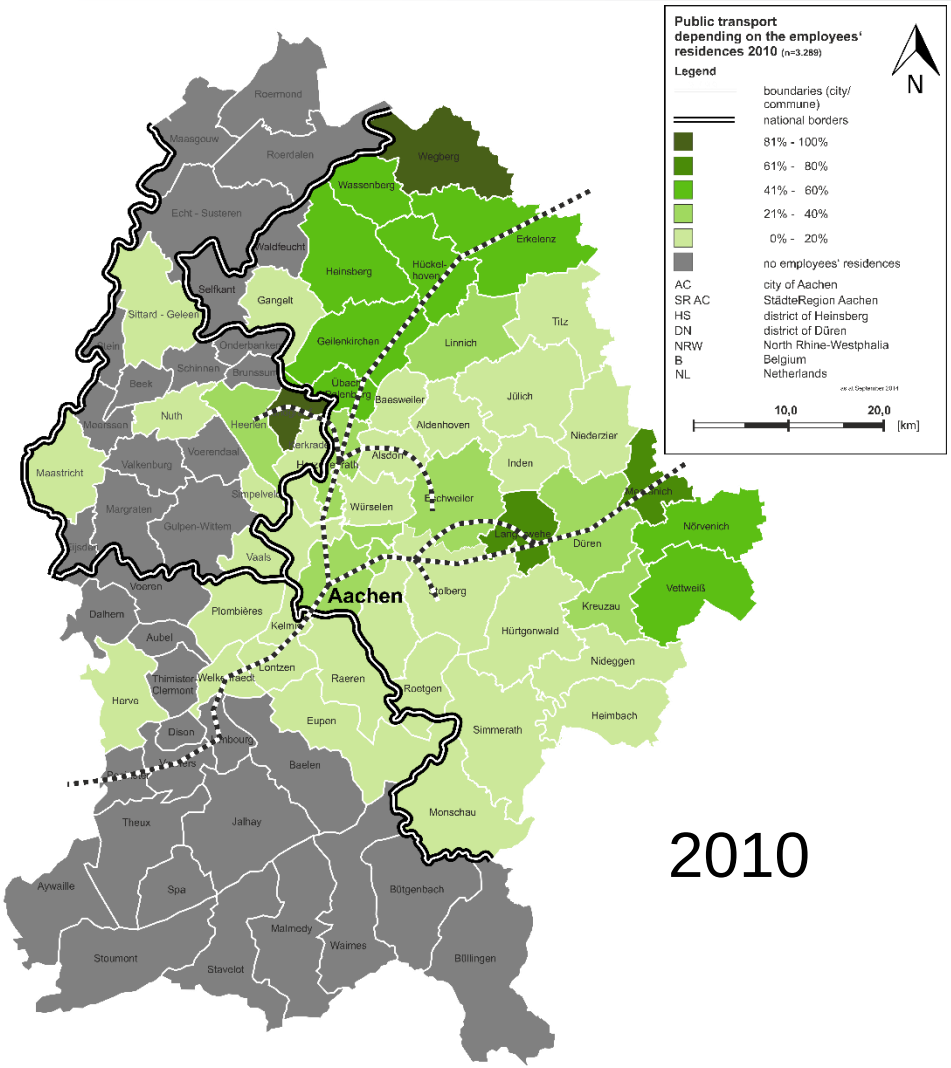
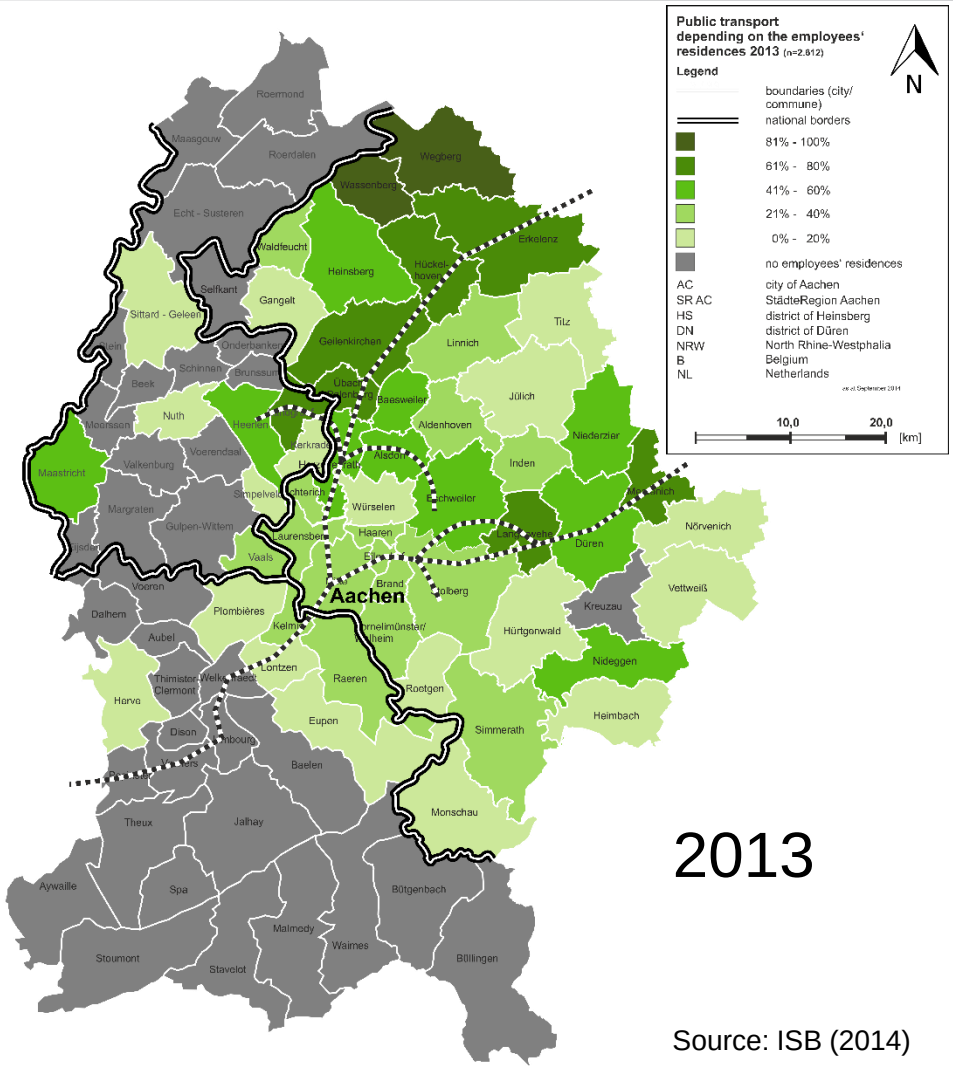
Public transport depending on the employees‘ residences



2010

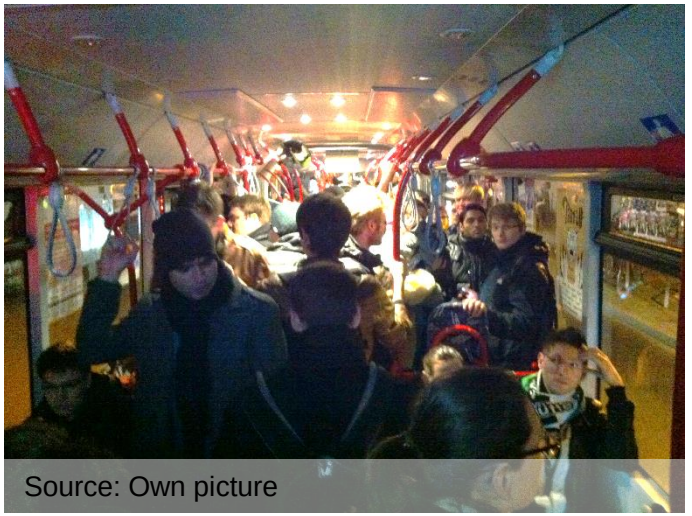


2013

Source: ISB (2014)

Success of the measures

Source: Own picture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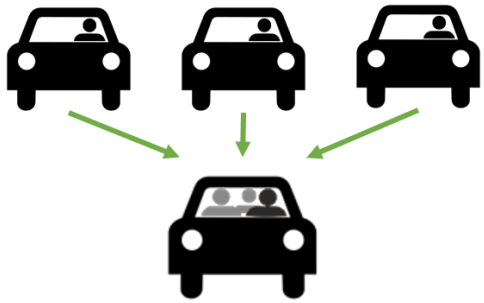
Outlook

Pedelec rental system

Carsharing

Car pooling system



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Thank you!

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