Urban Mobility in Basel

2nd Basel Sustainability Forum: Mobility
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Sustainability: an abstract term, and often misused
Challenges in Basel: limited space
Challenges in Basel: increasing commuter numbers

- +20,000 employees
- +10,000 inhabitants
What does sustainable urban mobility mean?
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**Example:**
A person in a parked car requires 13.5 m² of space. At 30 km/h, the same person already requires approx. 65.2 m² due to the necessary safety distance.

Numbers represent area in m² / sqm

<table>
<thead>
<tr>
<th></th>
<th>50 km/h</th>
<th>30 km/h</th>
<th>Standstill</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedestrian</td>
<td>1.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bicycle</td>
<td>41</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Car</td>
<td>13.5</td>
<td>65.2</td>
<td>~140</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>1.4 passengers</th>
</tr>
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| Public Transport: 
| Trolleybus  | 2.8 | 20% |
| Bus        | 2.5 | 20% |

Quelle: www.zukunft-mobilitaet.net
What does sustainable urban mobility mean?

- parking capacities
- mobility management
- road traffic
- public transport
- pedestrians & cyclists
- public street space
- urban freight traffic
What do we do for pedestrians?
What do we do for cyclists?
What do we do for public transport?
What do we do for public transport?

2017

2030 target status with centrepiece
Basel S-Bahn “Herzstück” (centrepiece)
What do we do for cars?

Upgrading high-capacity roads (Rhine tunnel)

Traffic calming in residential neighbourhoods

©bazonline/Lucian Hunziker
Dealing with parking spaces

Parking space utilisation in Basel in 2016, evening utilisation

Degree of utilisation
- Less than 80%
- 81% - 90%
- 91% - 95%
- 96% - 100%
- More than 100%
Future mobility trends
Car sharing

Photo: Mobility Genossenschaft
E-Mobility

Einfach laden – zuhause und unterwegs
Laden Sie Ihr Elektrofahrzeug mit der Chargebox Basic inklusive Ladestation.

[Image of a pink Tesla car charging at a street charging station]
Autonomous vehicles
Conclusion