

German Environment Agency

## C1 People-centered urban mobility

# Lower car density for livable cities

Towards a goal of 150 cars per 1000 inhabitants

Tim Schubert

Section I 3.1

Environment and Transport

## Structure

**INTRODUCTION**     Who we are. What we do.

**VISION**             How we envision “Tomorrow’s Cities”.

**GOAL**                Why we need a goal for urban car density and how we calculated it.

**MEASURES**        How we can achieve this goal and which measures we need.

**UPSHOT**            What you need to take home.

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## Who we are. What we do.

### **The German Environment Agency (UBA)**

UBA is a subordinated agency of the Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety and the central environmental authority in Germany.

Apart from its Central Administration Division, UBA has five divisions with a total of 14 departments. The German Environment Agency employs more than 1,400 people at 13 locations.

Topics (selection):

- Climate protection and adaptation
- Clean air, water and soil
- Waste avoidance and eco-design
- Chemicals and pesticide approvals



## How we envision “Tomorrow’s Cities”





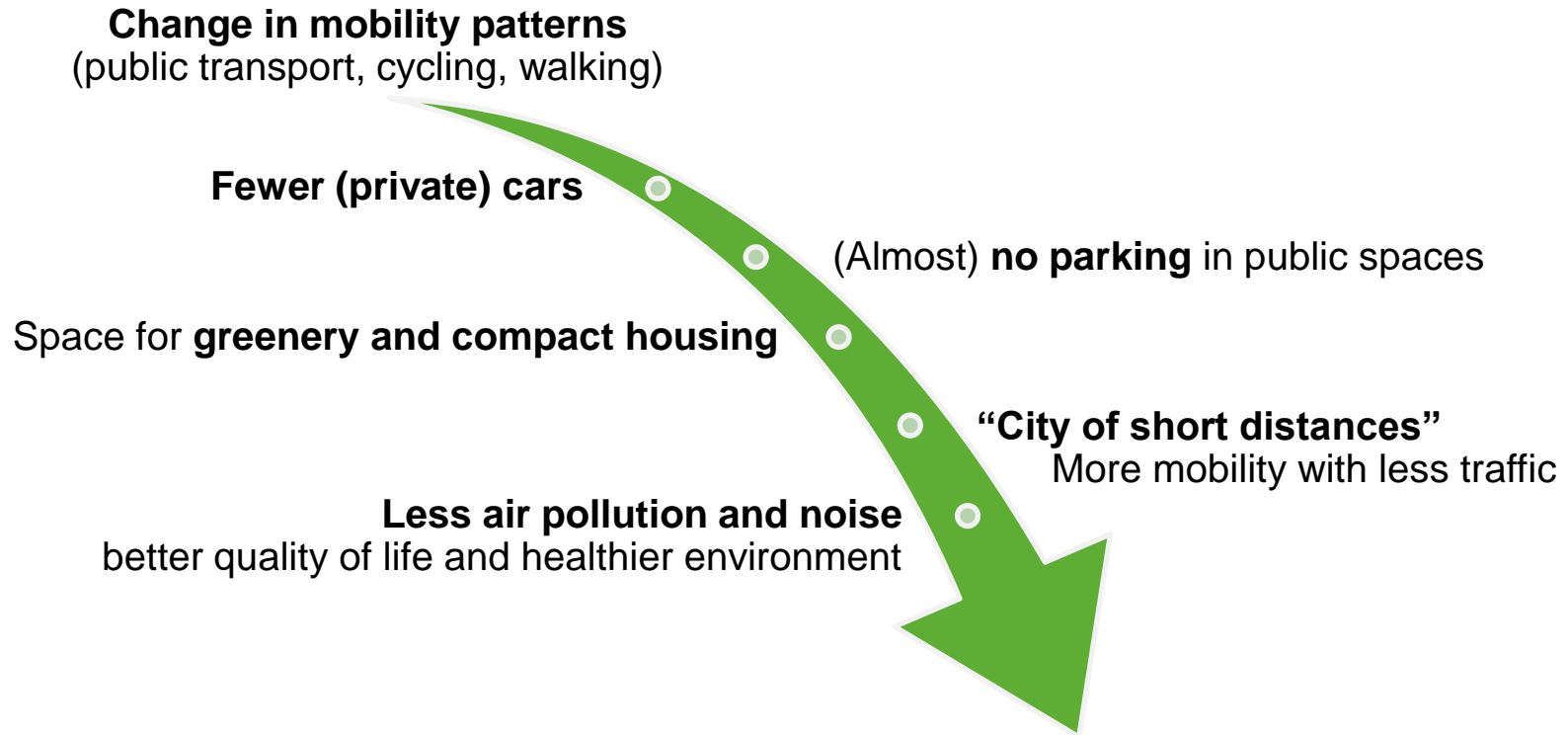
## How we envision “Tomorrow’s Cities”



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## Why we need a goal for urban car density

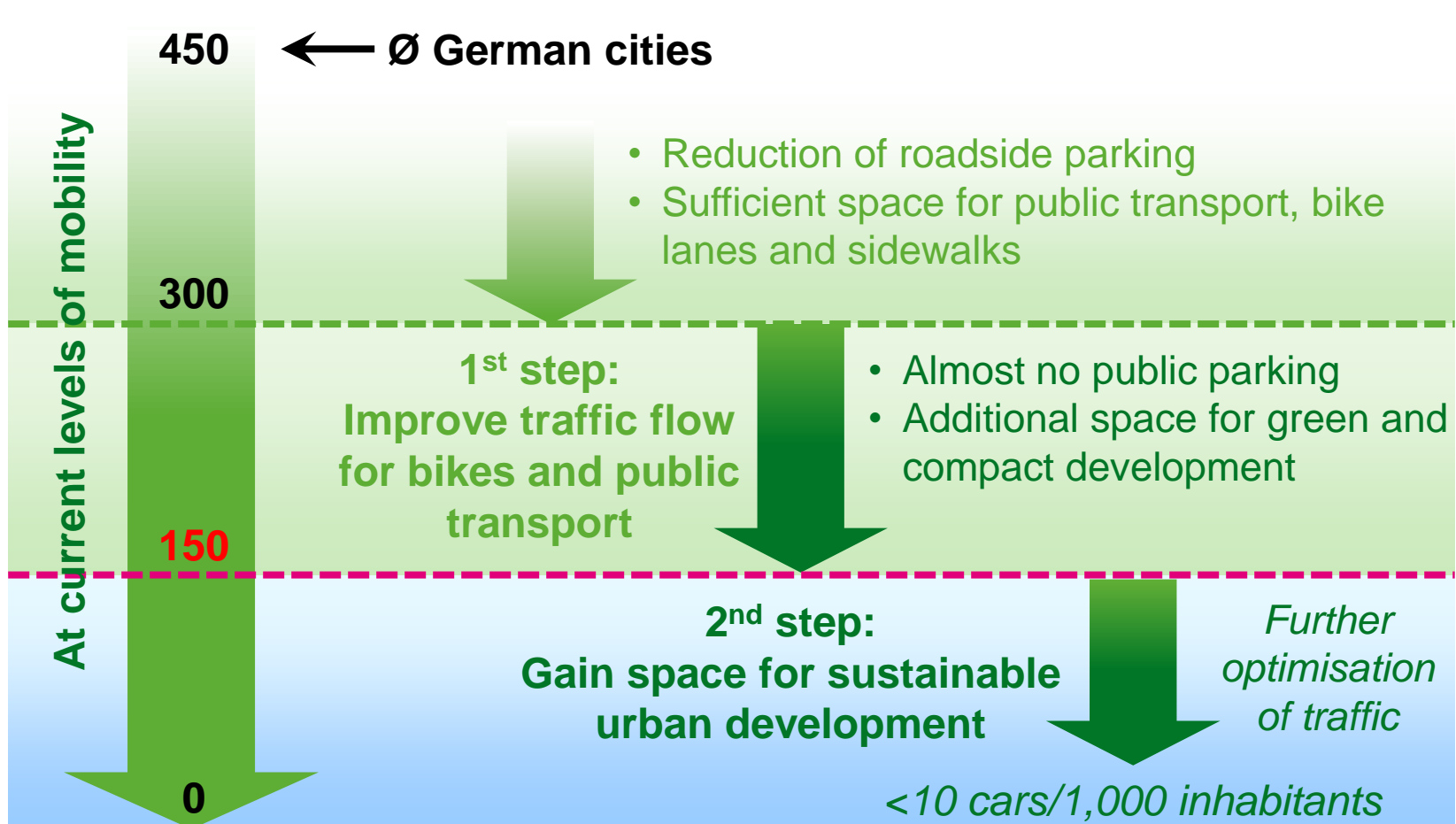


## Tomorrow's Cities

Environmentally friendly mobility, low noise, green spaces, compact housing and mixed-use districts

## ... and how we calculated it.

### Passenger cars per 1.000 Inhabitants





## How we can achieve this goal



**Implementing compactness and mixed use in cities**



**Reducing noise**



**Encouraging integrated mobility services and e-mobility**



**Making commercial transport within the city environmentally friendly**



**Exploiting digitization for the benefit of the environment**

## ...and which measures we need.



**Providing urban greenery and open spaces**



**Expanding active mobility networks**



**Improving public transport quality**



**Managing motorized transport**



**Fostering participation and collaboration in planning and implementation**

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## Upshot

**We need to promote a **vision of a livable city** to win support for unpopular measures that restrict car ownership.**

**The goal of **150 cars per 1 000 inhabitants**\* enables cities to increase density while freeing space to provide **adequate access to green and open spaces**.**

**In order to allow for the **same level of mobility, public transport, biking and walking** need to be improved significantly before implementing **strict measures to reduce car ownership**.**

\* Calculated for cities in developed countries. It equals 1/3 of current car density in German cities above 100 000 inhabitants.



# Thank you for your attention!

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[www.uba.de/en/topics/transport-noise](http://www.uba.de/en/topics/transport-noise)