

German Environment Agency

Umwelt 
Bundesamt

AdNEB Kick-Off Event

Workshop D: Compact, Green and Mobile: supporting resilient and multifunctional urban spaces through qualified inner urban development

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Building upon existing works – Tomorrow's Cities (2017)

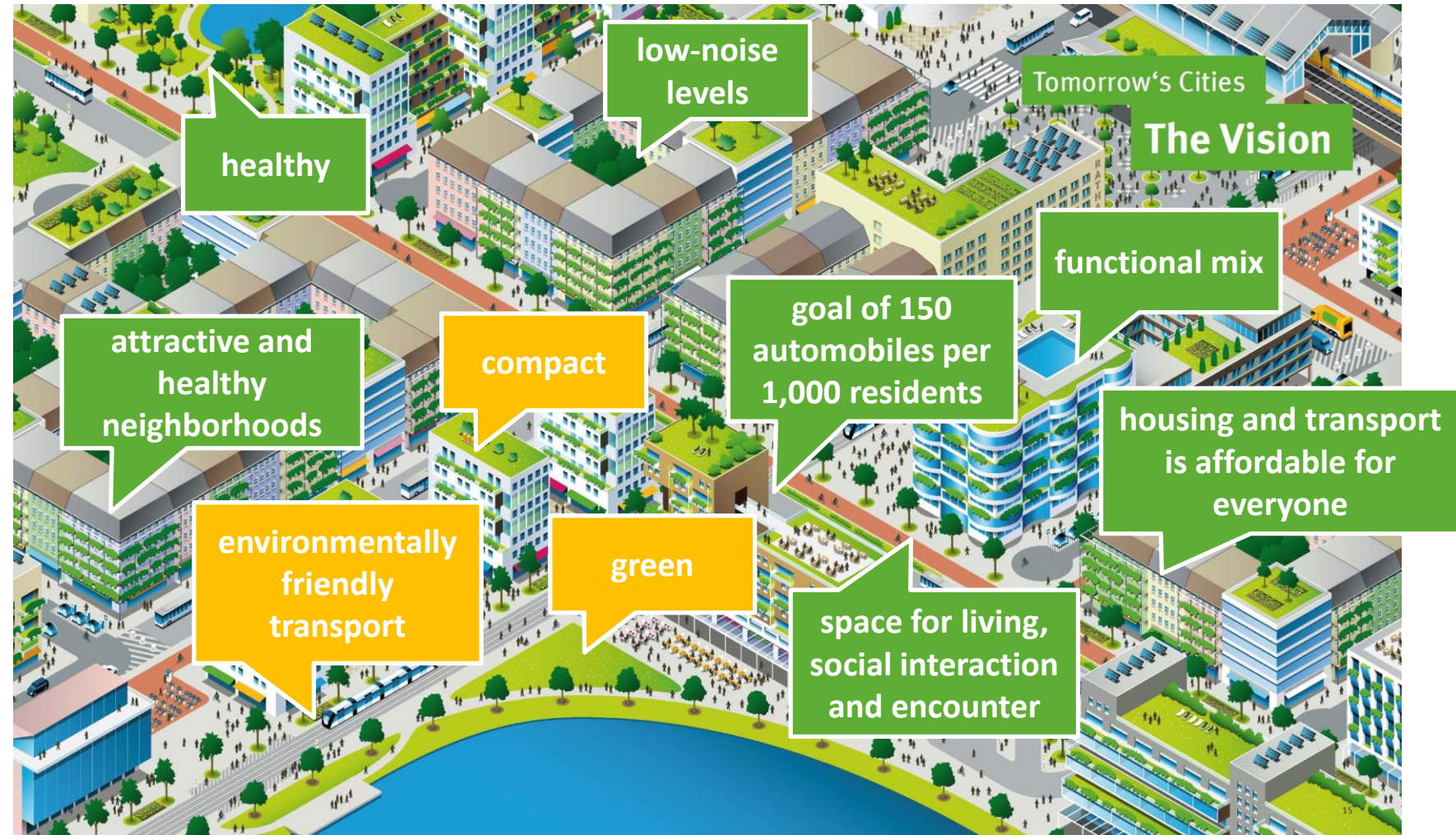
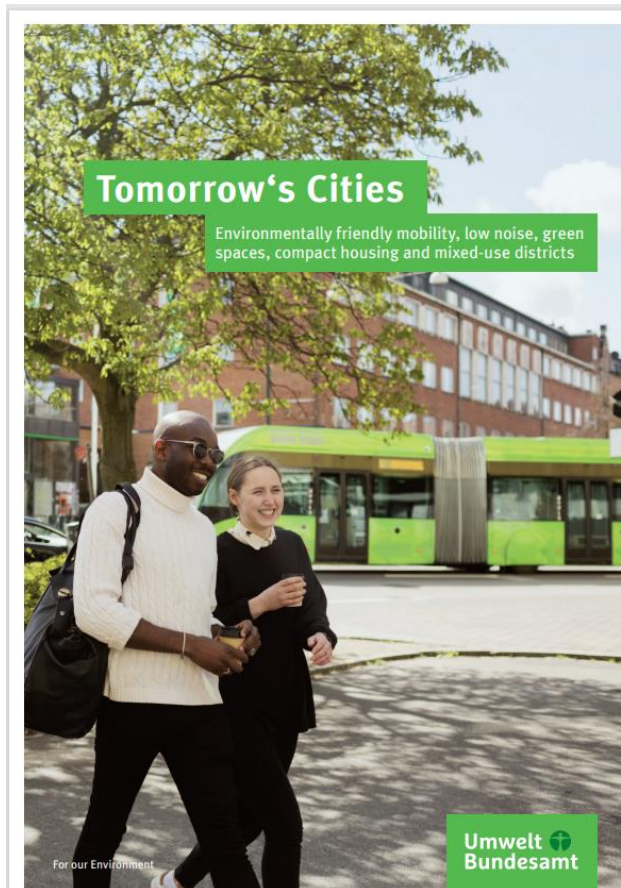


Photo: Umweltbundesamt

Qualitative Inner Urban Development



Mobility

Built
Environment

Green and
Open Space

Concept of „Twofold Inner Urban Development“

- Informs debate in Germany since 2006
- Reduction of land consumption through dense urban development and improved, new and connected urban green

Focus on mobility spaces:

- New spatial potentials by integrating urban development, green spaces and sustainable mobility
- Impacts land use, climate protection and adaption, environmental qualities such as noise, air quality, green space and human health
- Involvement of German Institute for Urban Affairs (Difu)

Guiding research question:

- How can the integration of the aforementioned aspects contribute to improved living conditions and resilient urban structures?
- What governance solutions are required for the spatialand sectoral integration?

Photos: © Alice Schröder, UBA

Qualitative Inner Urban Development – Green Spaces



Average of **30 – 40 %** green space per total build area ¹



Ca. **6 – 13 m²** of recreational space per person ¹



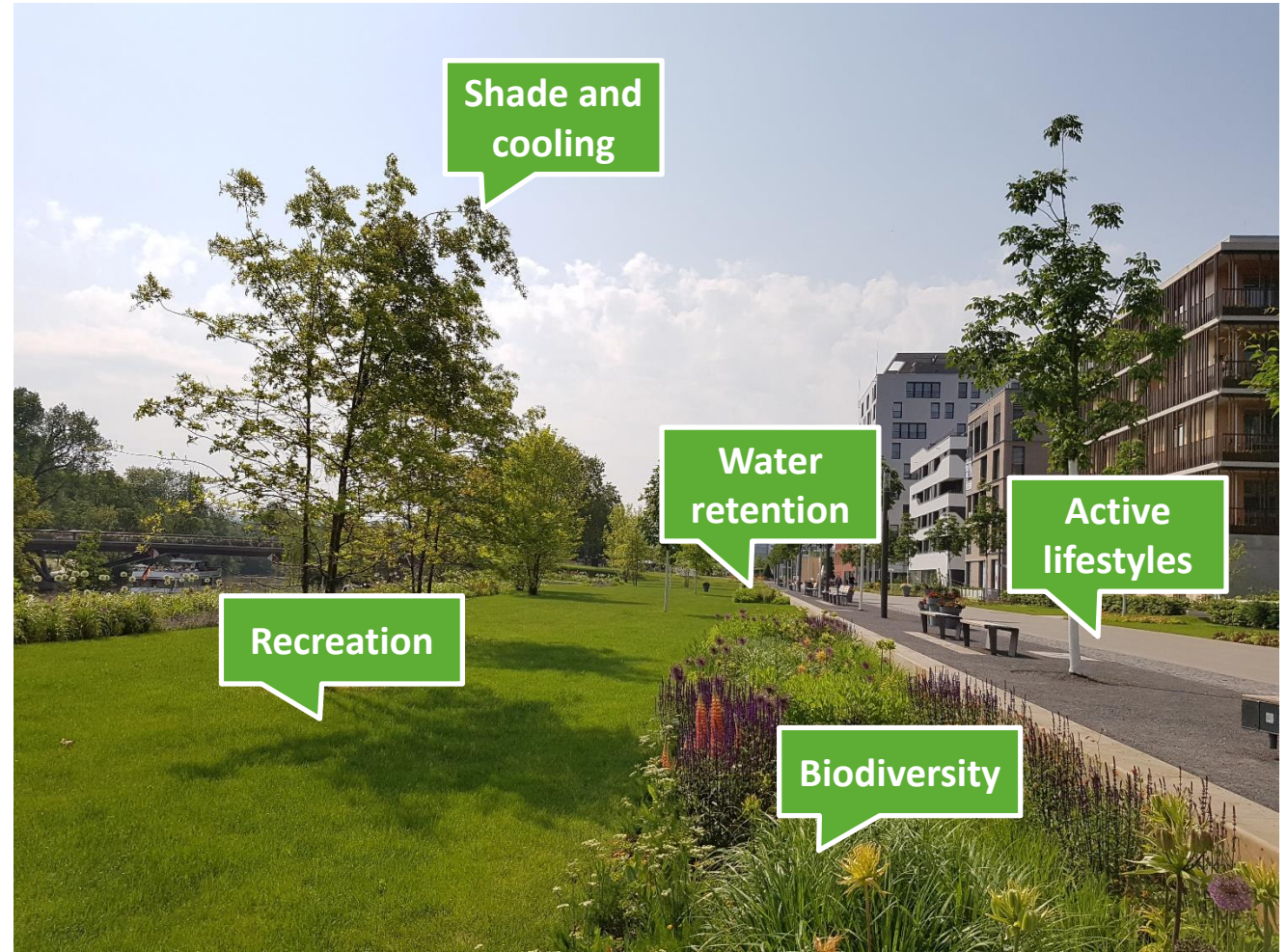
More than **25 %** of youth in urban areas **cannot** reach a green space **within 10 minutes** from residence ²



Youth from social disadvantaged families travel **on average longer** to green spaces than those from more privileged families ²



Orientation value: **20 m² per person** urban green ³



1) BBSR 2022; 2) GerES V (2014-2017), 3) BBSR 2017 : Photo: Alice Schröder

Qualitative Inner Urban Development - Construction



About **36,000 ha.** of inner urban areas have been activated 2012-2020 ¹



Currently an estimated **84,000 ha.** of inner urban development potentials exist in Germany ¹



Inner urban development is important for growing as well as shrinking cities ²



Political goal: **400,000** new dwellings per year ³

1) BBSR 2022; 2) Davy 1996 3) Bundesregierung 2022: Photo: Alice Schröder:

Qualitative Inner Urban Development - Mobility



Average of **580 automobiles per 1,000 residents** nationwide ¹



75 % of residents experience negative impacts of traffic noise ²

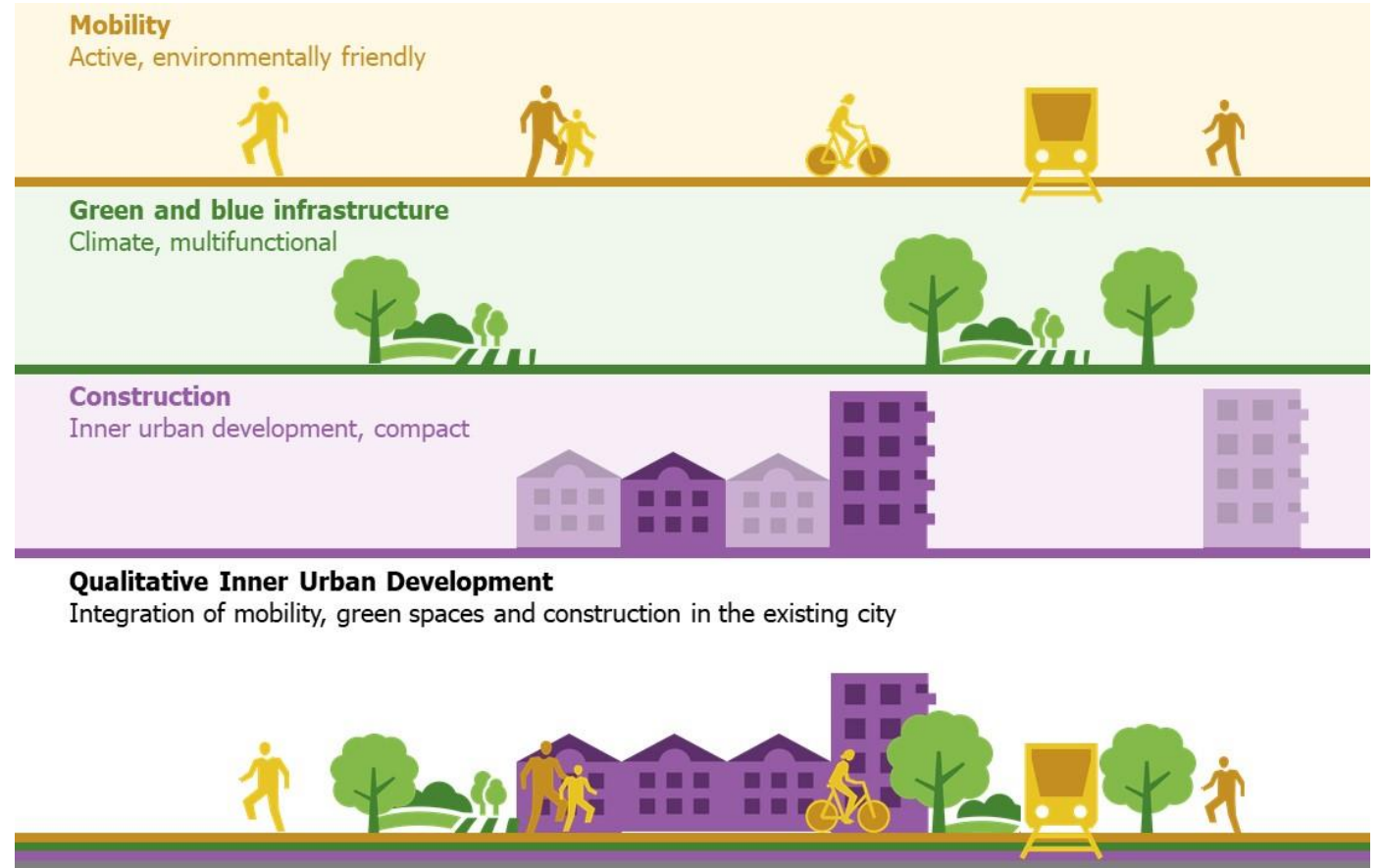


Vision for cities > 100.000 inhabitants: **150 automobiles per 1,000 residents** ³

1) DeStatis 2022; 2) BMUV, UBA 2022 3) UBA 2017. Photo: Karl Eckert

Qualitative Inner Urban Development – Strengthening Integrated Perspectives

- Strong demand for qualitative living space, both environmentally and socially
- Concepts for solving conflicting interests required
- Displaying urban green spaces as the true „multi-talents“ that they are
- Reducing private motorized transport (i.e. more public transport and active mobility) can contribute to environmental protection, health-promoting transport and a better quality of life in cities



Graphic: Karl Eckert

Qualitative Inner Urban Development – Next steps

Further Plan for AdNEB Activities

- Contribute to integrated and inter-sectoral planning procedures by engaging with relevant stakeholders, understanding the various user interest and identifying important governance mechanisms.
- Further informing the running research agenda of the German Environment Agency
- Networking with actors both within and outside of the German national context

Thank you.

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AdNEB Website:
<https://www.umweltbundesamt.de/en/research-project-adneb-advancing-the-new-european>

Discussion Questions

Open Questions for the Discussion

- For which environmentally relevant challenges does the concept of qualitative inner urban development offer solutions?
- Which challenges exist when integrating the fields of inner urban development (construction), green infrastructure and mobility. Are there already potential solutions?
- How can we better integrate built space, green space and mobility as important urban spatial functions and how can we support stakeholders in implementation?

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