

Klimaneutrale Quartiere

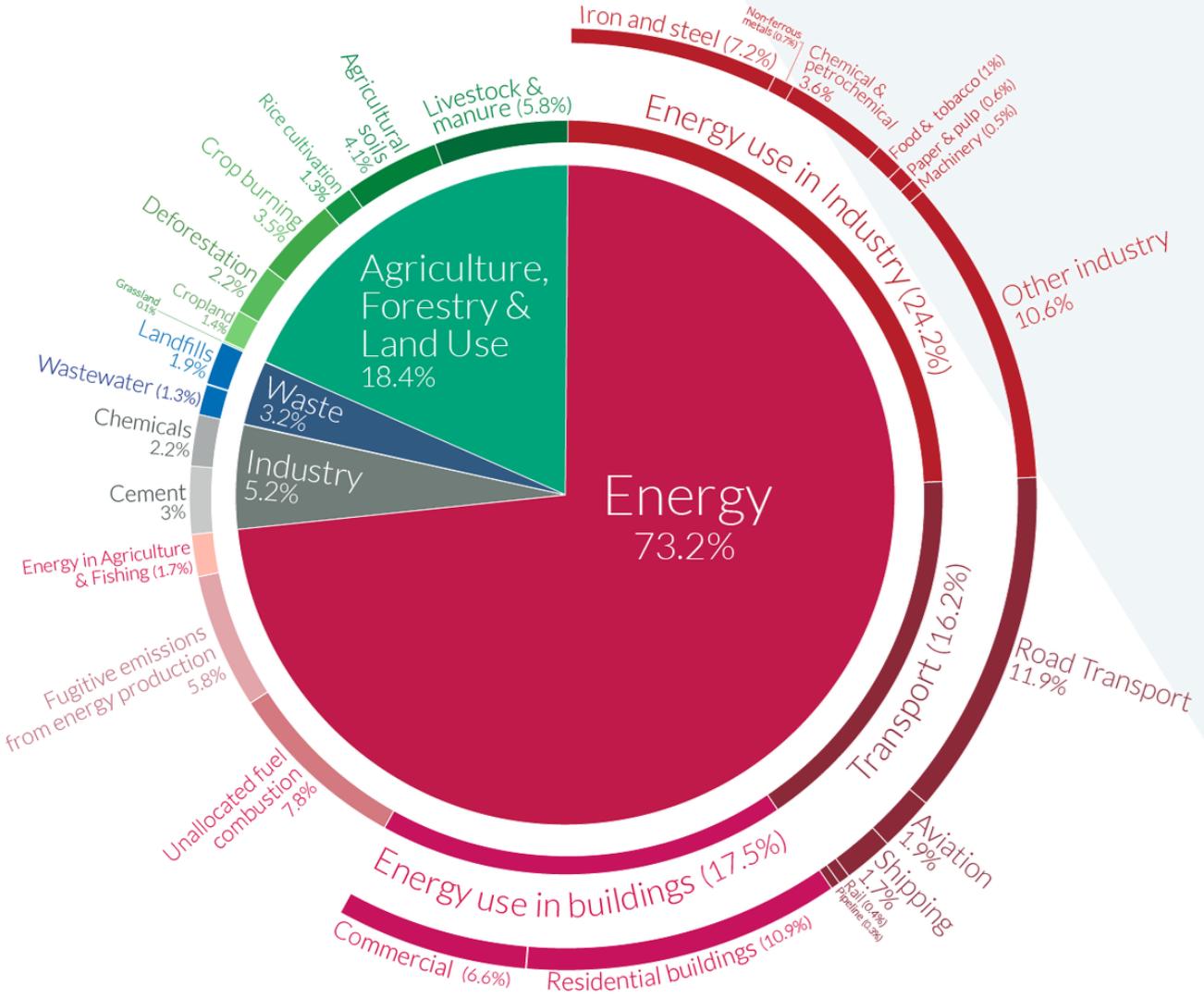
Anforderungen an FTI- & Demonstrationsprojekte

Volker Schaffler

Global greenhouse gas emissions by sector

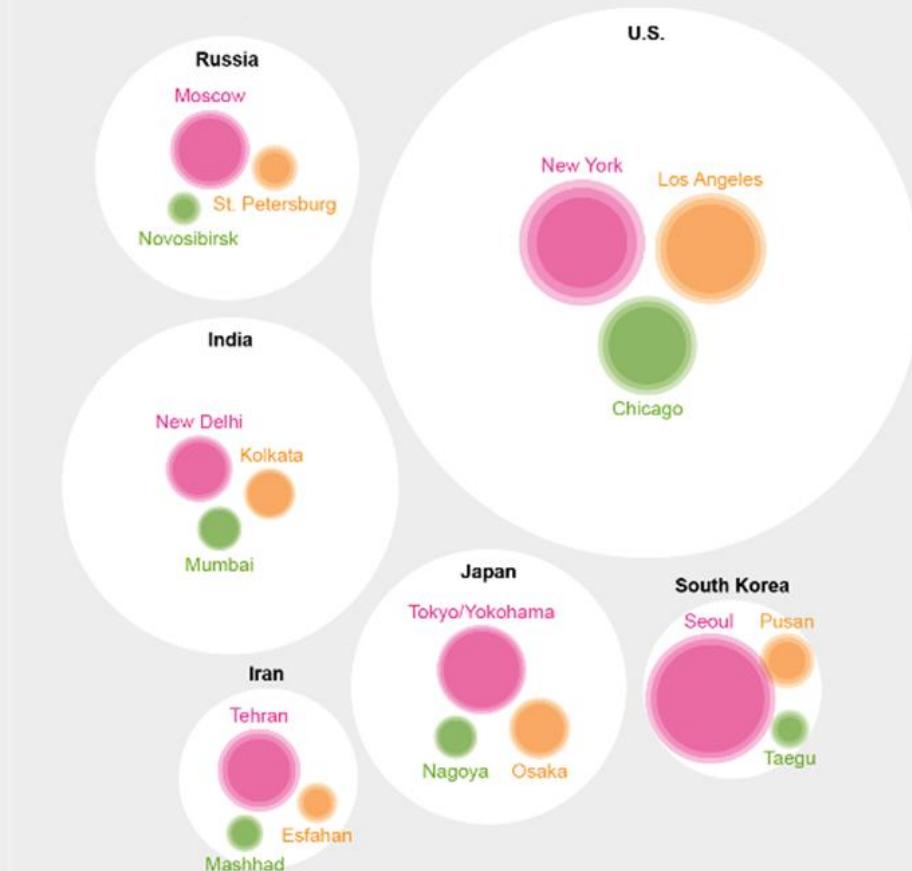
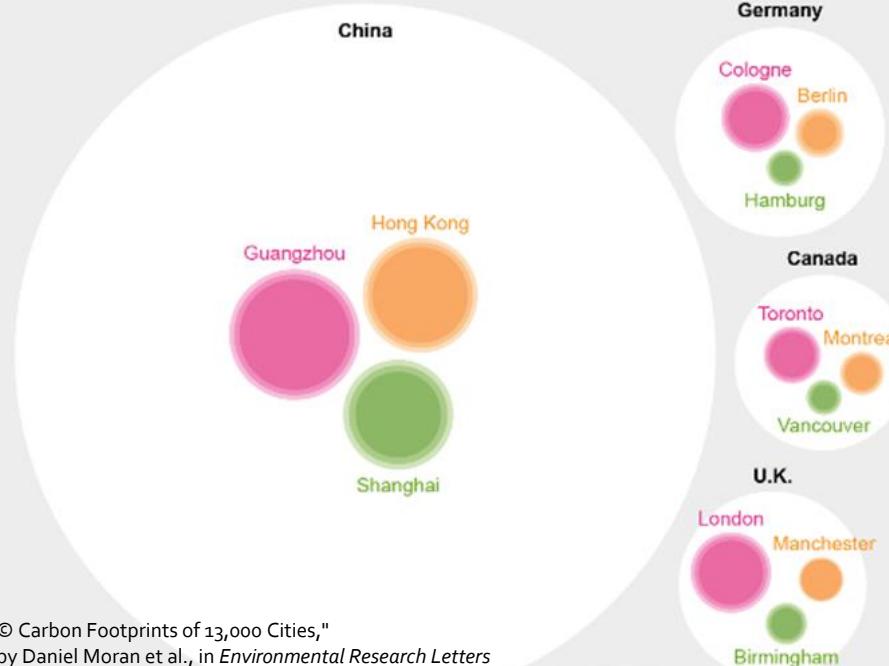
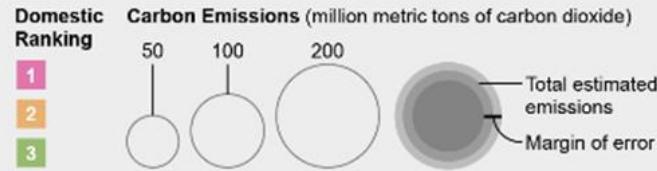
Our World
in Data

This is shown for the year 2016 – global greenhouse gas emissions were 49.4 billion tonnes CO₂eq.

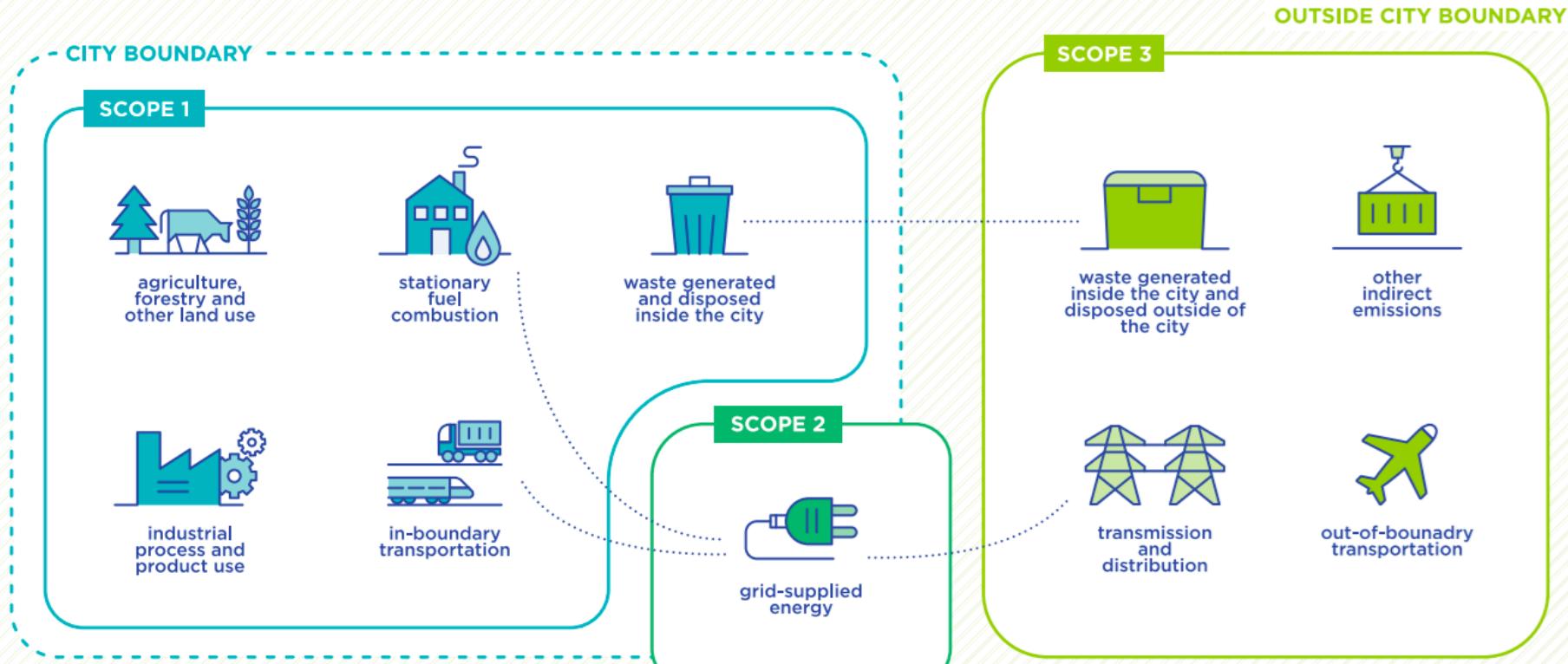


Cities and their Carbon emissions

The 10 countries with the largest carbon footprints are shown, along with the three urban clusters that contribute the most carbon emissions to each national total.



Sources and boundaries of city GHG emissions

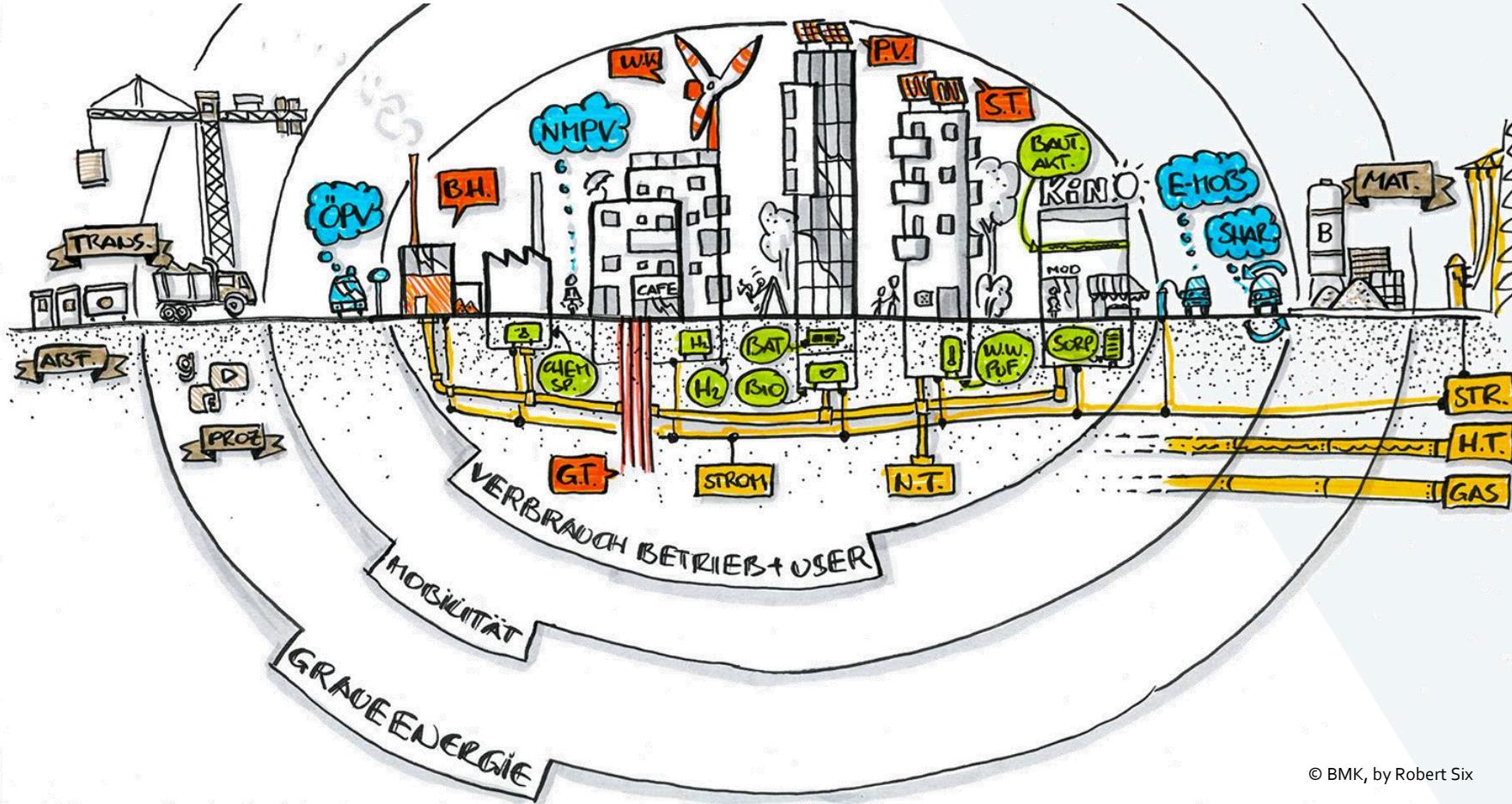


QUELLE: C40 Cities Climate Leadership Group (C40)

[Https://www.c40knowledgehub.org/s/article/Consumption-based-GHG-emissions-of-C40-cities?language=en_US](https://www.c40knowledgehub.org/s/article/Consumption-based-GHG-emissions-of-C40-cities?language=en_US)

Stadt der Zukunft – Plus-Energie-Quartiere

bmk.gv.at



Schweiz – Plusenergie-Quartier

Energiebedarf

Strom

- Beleuchtung ⊕
- Allg. Gebäudetechnik ⊕
- Geräte ⊕
- Quartierbedarf ⊕

Warmwasser

- Boiler ⊕

Raumklima

- Heizwärme ⊕
- Lüftung ⊕
- Kälte/Klima ⊕

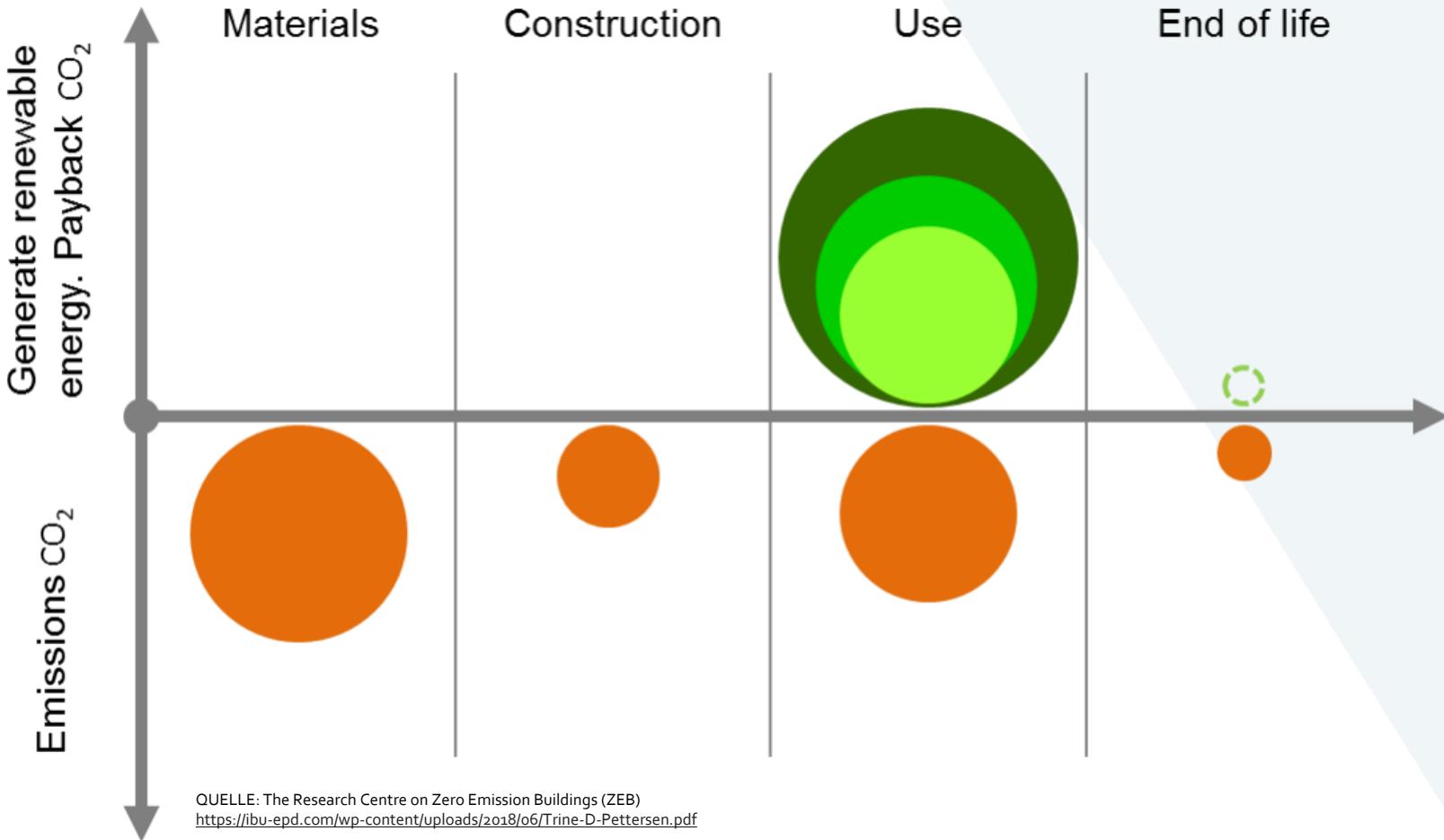


Energieproduktion

Strom- und Wärme

- ⊕ Photovoltaik
- ⊕ Solarthermie
- ⊕ Wasserkraft
- ⊕ Windenergie
- ⊕ Biomasse

Norwegen – Zero Emission Buildings (ZEB) / Powerhouse



QUELLE: The Research Centre on Zero Emission Buildings (ZEB)
<https://ibu-epd.com/wp-content/uploads/2018/06/Trine-D-Pettersen.pdf>

Vielen Dank!