

Die Stadt lebt:

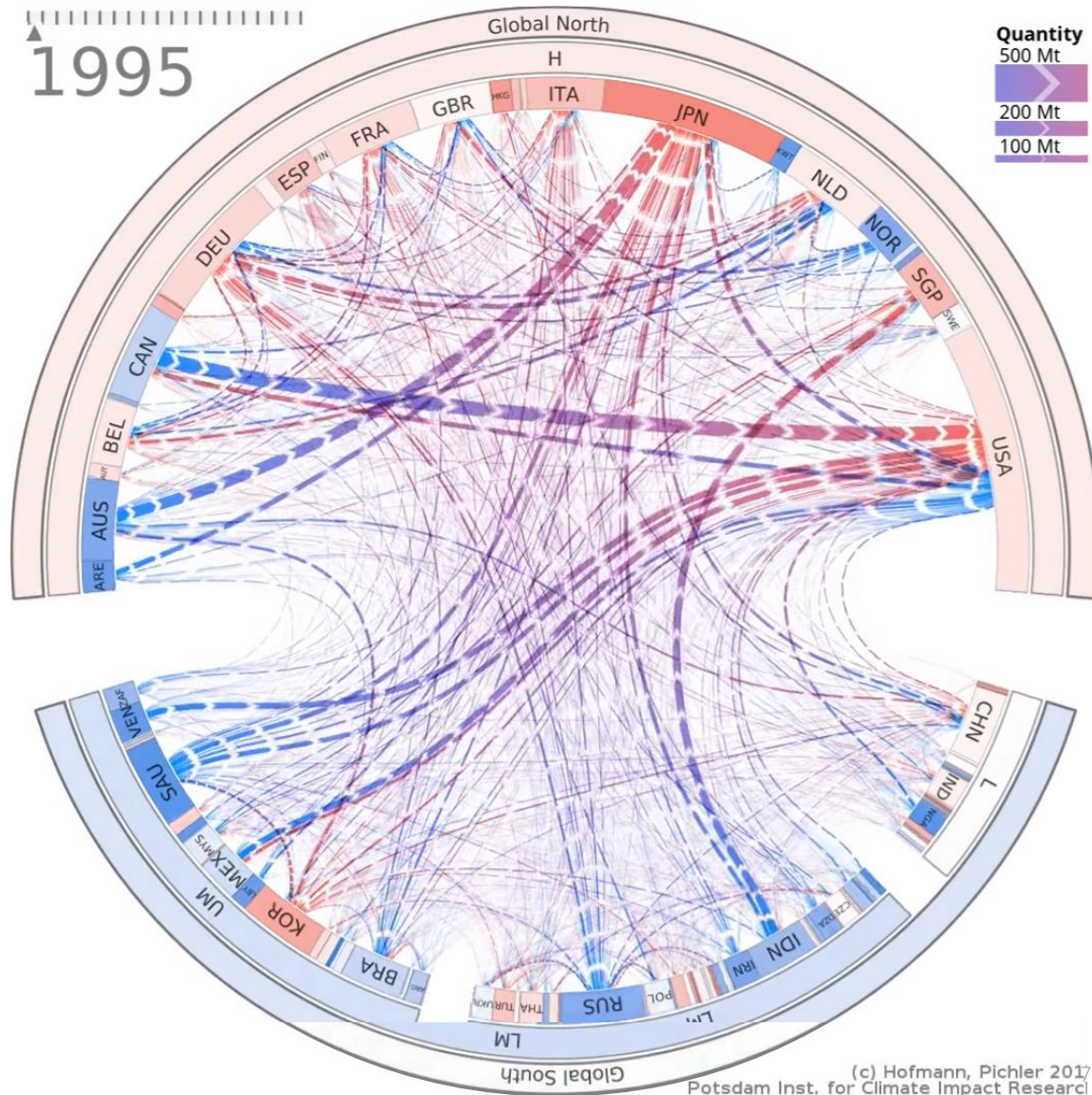
Wie bewegen wir sie zur Nachhaltigkeit?

Die Perspektive wechseln!
Die Lebensbereiche messen!

Urban Footprints Project

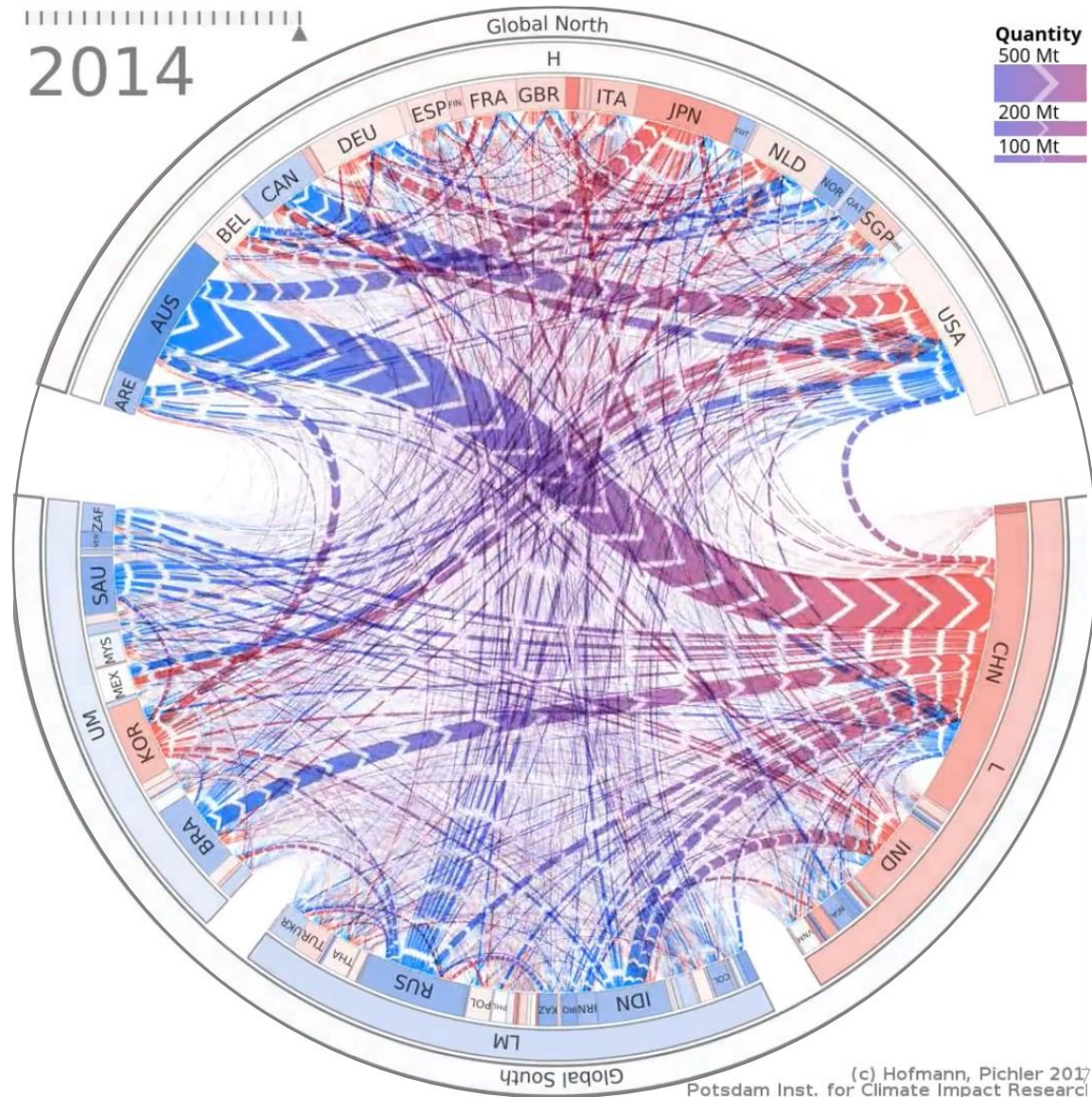
Leitung: Jun.-Prof. Dr. Cathrin Zengerling, LL. M., Universität Freiburg
Vorgestellt von: Lisa Harseim, M. Sc. REAP, HafenCity Universität Hamburg

Städte im Metabolismus der Materialflüsse



(c) Hofmann, Pichler 2017
Potsdam Inst. for Climate Impact Research

Städte im Metabolismus der Materialflüsse



Städte als Nicht-Staatliche Akteure

Faktische
Verantwortung

Effektpotenzial

Politisches
Mandat

Neue Rolle
innerhalb
internationaler
Politik

75% aller
globalen
Material- und
Energiströme
werden in
Städten
verbraucht

75% der Welt-
bevölkerung
lebt in nur 25
Staaten

SDGs
UN Habitat III
EU
Städte-
netzwerke

UNFCCC
Marrakech
Partnership

Urban Footprints Project

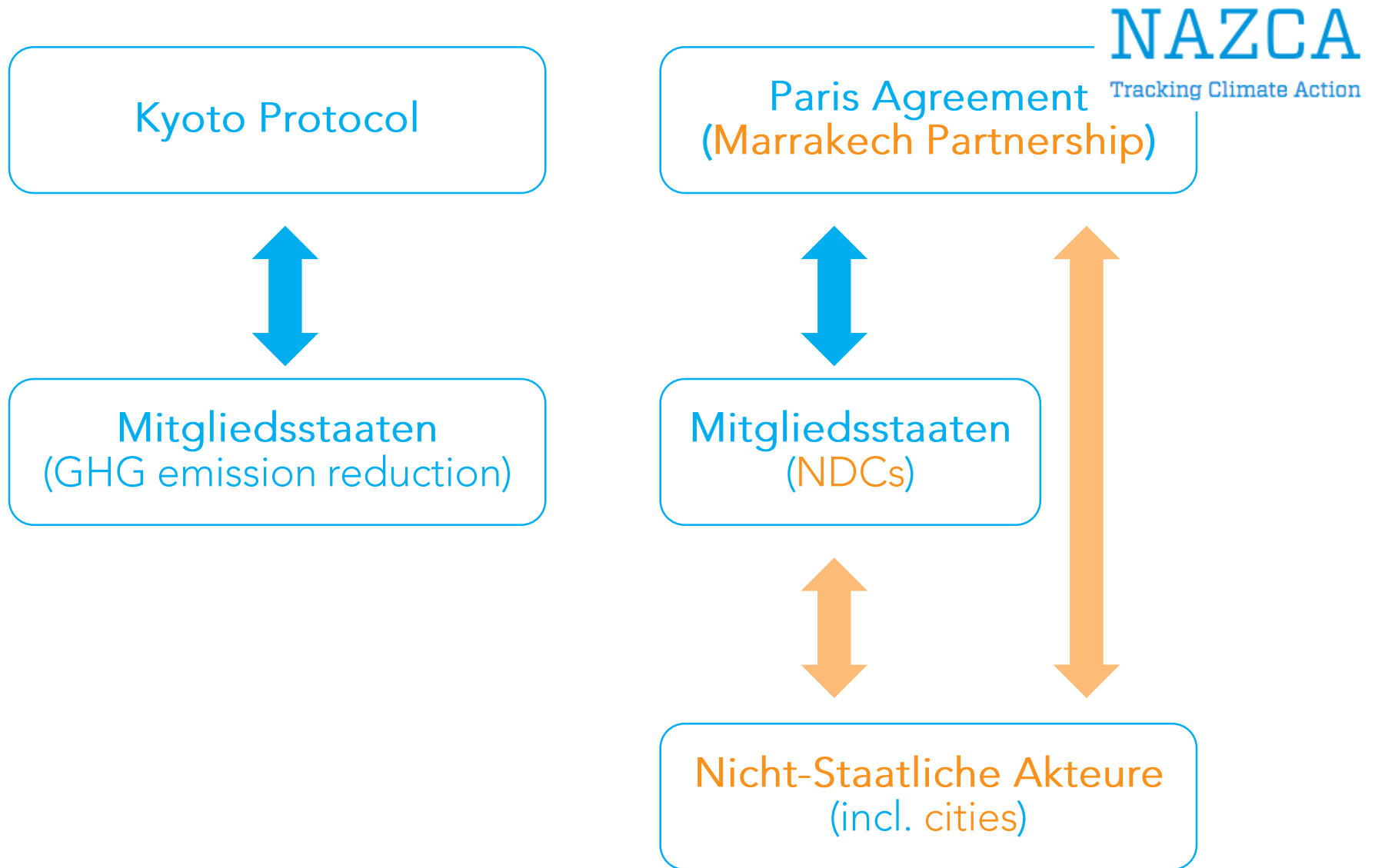
Towards Greater Accountability in the Governance of Cities' Carbon and Material Flows



(Zengerling, 2019, July 4th)

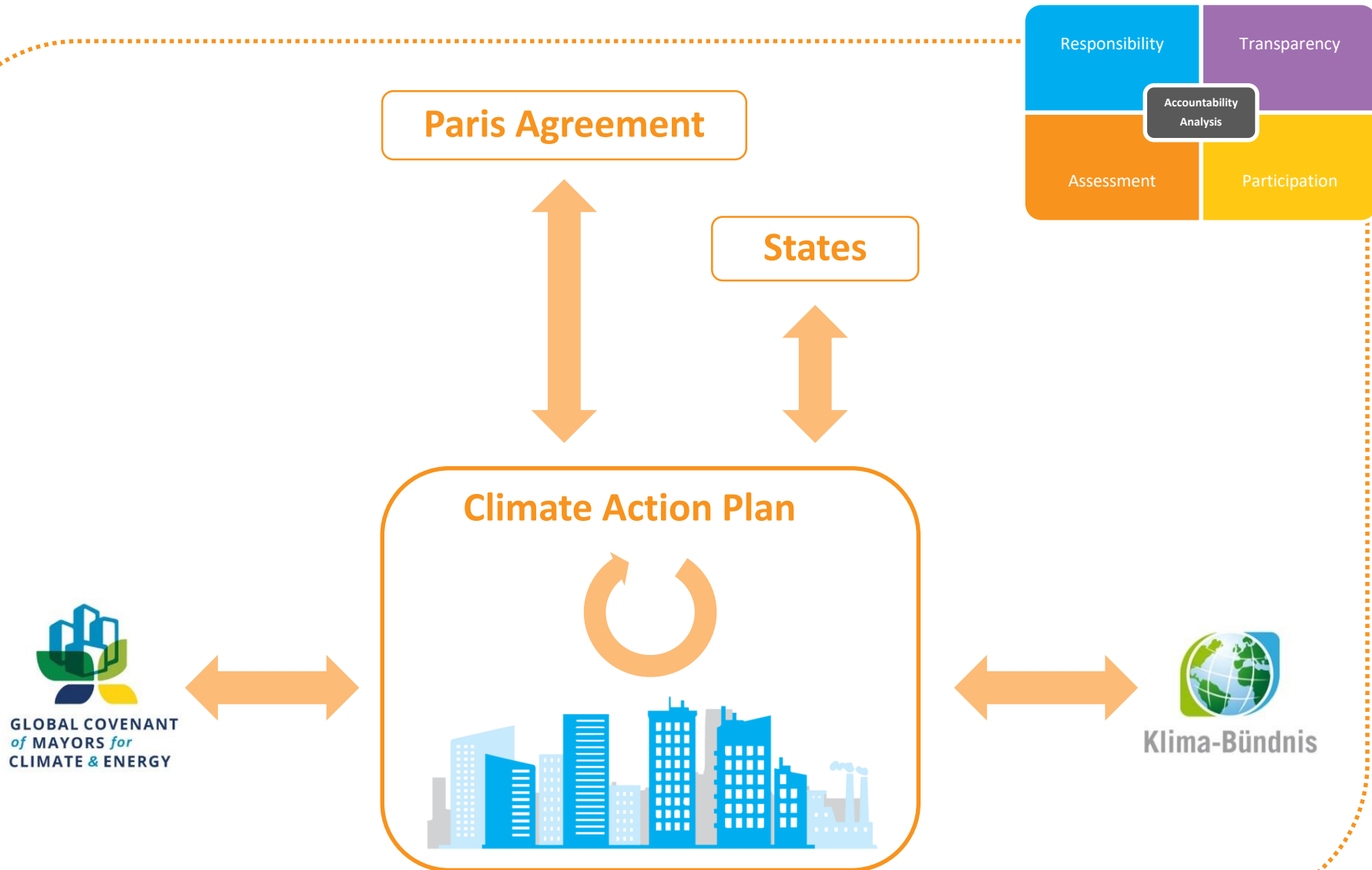
Was ist der aktuelle Stand und was ist das Potential für die **verantwortliche** Steuerung von städtischen CO₂- und Materialfußabdrücken?

Globales Klimaschutzregime

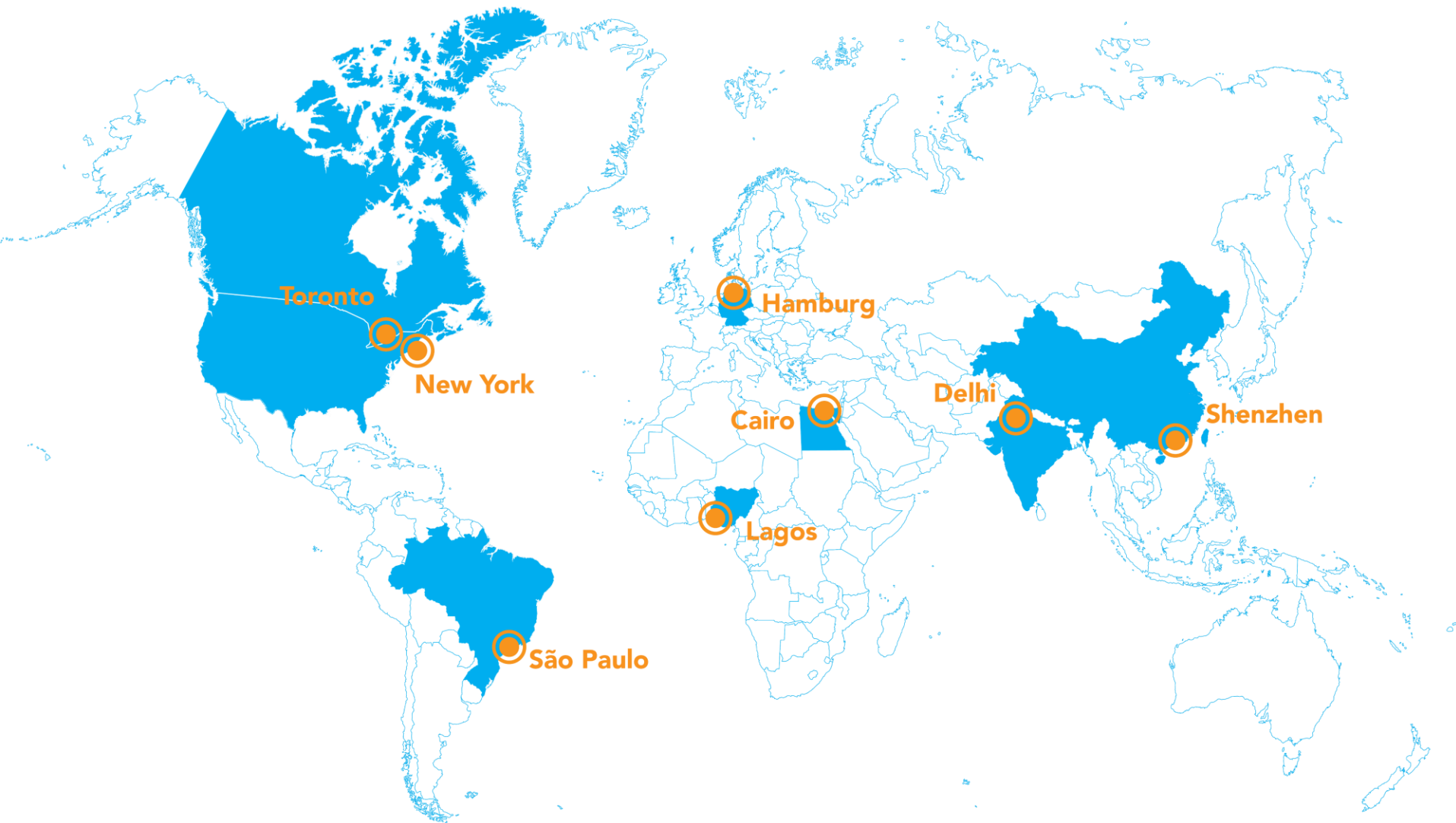


(Zengerling, 2019, July_4th)

Rechenschaft in strategischer urbaner Steuerung

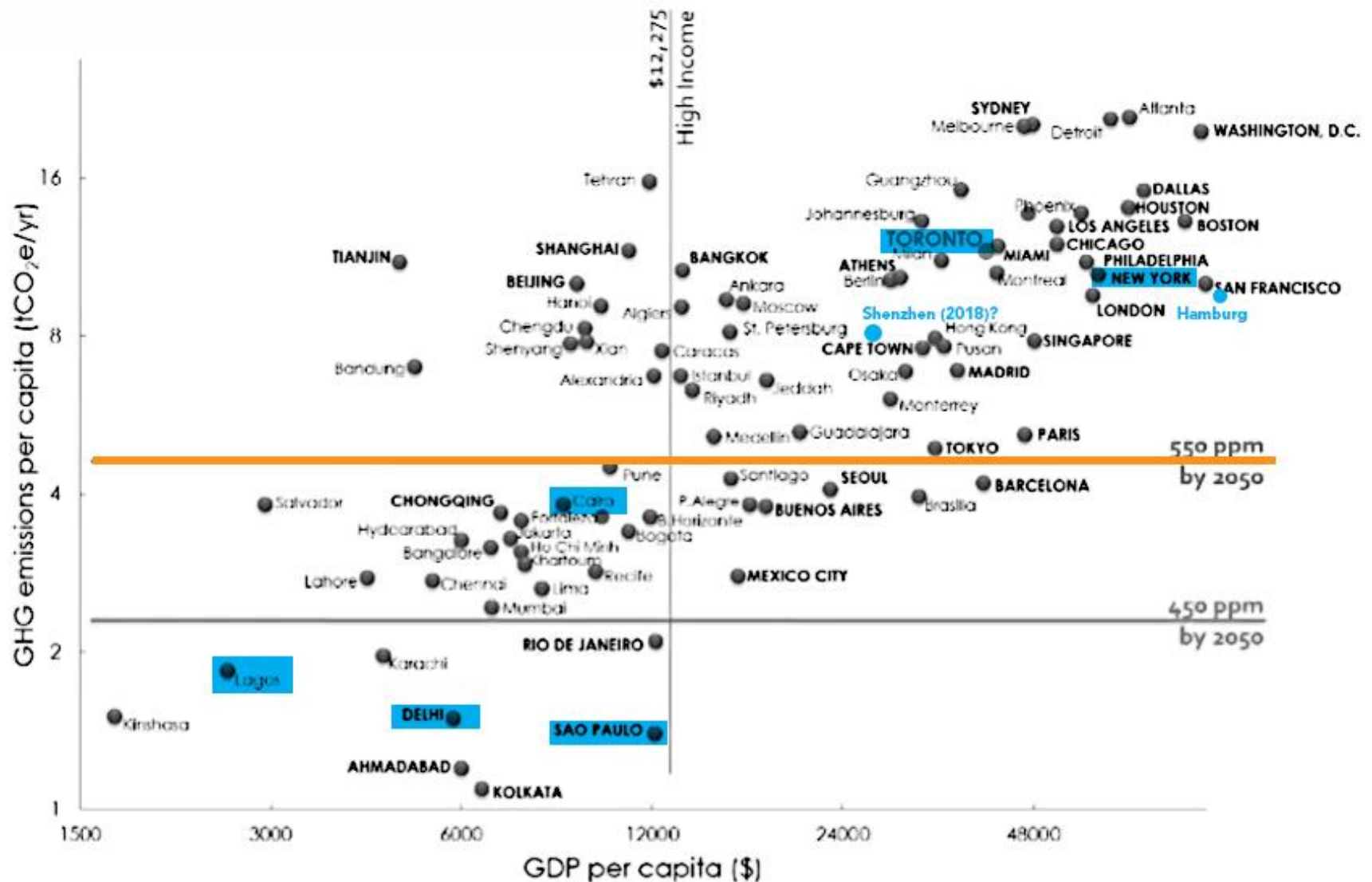


Untersuchte Städte



(adapted from Zengerling, 2019, July 4th)

Entwicklungswege



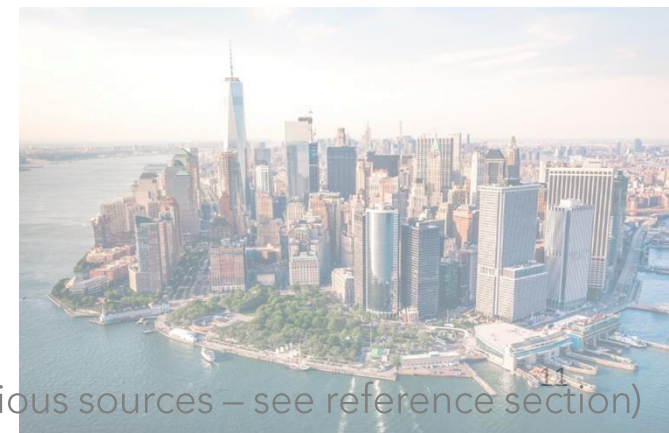
(adapted from Hoornweg, 2019)

Städte der Zukunft



(various sources – see reference section)

Bedeutendste Städte 2050



(various sources – see reference section)

Vielen Dank!

Carbon Solutions Global Ltd. (2019). [aerial photograph Shenzhen]. Retrieved from http://carbonsolutionsglobal.com/dynamic/Sencsen/IMG_3187.jpg

EF Education First. (n. d.). *Immersion course in Toronto* [aerial photograph]. Retrieved from https://www.ef.com/sitecore/___/~/media/universal/stage/5x2/destinations/ca/toronto/toronto.jpg

Hafen Hamburg Marketing e. V. (n. d.). [aerial photograph Hamburg]. Retrieved from https://www.hafen-hamburg.de/images/image_cache/images/0/fotos/news/hafen-hamburg-luftbild-20150618.jpg

Harseim, L. (2017). [aerial photograph Cairo, on file with the author].

Hoornweg, D. (2019, June 5th). Dan Hoornweg: Sustainability through the world's cities. [video file] Retrieved from <https://is4ie.org/events/isie-webinars/55>

hotelroomsearch.net. (2014). [aerial photograph Sao Paulo]. Retrieved from https://www.researchgate.net/figure/Showing-new-construction-in-Dwarka-sub-city-in-New-Delhi-Source-www_fig6_228327252

McKinsey. (n. d.). [vector graphic]. Retrieved from https://karriere.mckinsey.de/files/styles/stage_image/public/2019-02/190122_McK_Perspektivwechsel_Karriere_Header_2000x1500.jpg?itok=jeij2TX5

no author. (2012). Showing new construction in Dwarka sub-city in New Delhi [aerial photograph]. *Sustainable Urban Drainage Systems - A possible solution to the problems of Flash Floods in New Delhi, India*. By Rohit Das. Retrieved from https://www.researchgate.net/figure/Showing-new-construction-in-Dwarka-sub-city-in-New-Delhi-Source-www_fig6_228327252

Pichler, P. P., Hofmann (2017). [still image of gif]. *Visualizing global trade networks*. By Peter Paul Pichler. Retrieved from <http://www.pik-potsdam.de/~pichler/blog/project/trade-networks/>

travel jumia team (2016). *6 essential items for the Lagos City dweller* [aerial photograph]. Retrieved from <https://travel.jumia.com/blog/ng/wp-content/uploads/2016/08/Lagos-1.jpg>

voayageway.com. (n. d.). *Hélicoptère à New York : tour en hélico au dessus de Manhattan* [aerial photograph]. Retrieved from <https://www.voyageway.com/wp-content/uploads/2018/11/helicoptere-new-york-1.jpg>

Zengerling, C. (2019, July 4th). Global cities on a low carbon path: Envisioning and planning systemic change in urban metabolism. Presented at the UFP kick-off workshop in Hongkong Studios, Hamburg [pptx, on file with the author]