

Shaping the Future 2022 Föreningen Global Forum



Co-Founder, Vertex Ecosystems, South Africa



- Entrepreneurial empowerment specialist with backgrounds in development consulting and project finance. Advised over 1000 entrepreneurs across EMEA region.
- Founder of the Vision 2030 Fund, a sustainability agenda for Africa
- Private consultancies include commodities (trading, mining, supply chains and logistics across the UK and Central/East Africa), and urban infrastructure & technology.
- MSc Globalisation and Development, School of Oriental and African Studies, London
- Organiser of key summits: MENA Innovation 2018 (under patronage of the Egyptian Ministry of Information & Technology); Vertex Summit 2018 in London, the Global Impact Summit 2019







Sustainable smart cities and their prevalence

Are sustainable smart, cognitive cities objectively desirable?









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Are sustainable smart, cognitive cities objectively desirable?

- Intrinsic benefits: positive externalities, reduction of negatives
- Contentions: how you define impact and how you define readiness
- Should all of the world's cities undergo this transition?
- Development pathways can be readiness determinants







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Effectiveness, affordability, replicability

Types of impact

- •Sustainable (environment; emissions, consumption, wastage)
- •Social (science, health, education, recreation, rights)
- Financial (fiscal, monetary, economic)
- Developmental (infrastructure, standards of living, mobility)

Why does the world need smart sustainable cities, and is this consistent with the impact trends?





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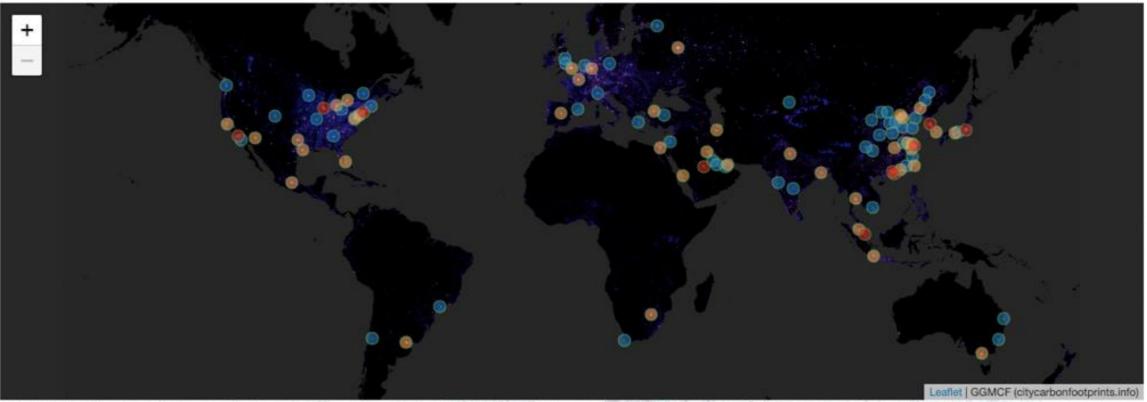
Sustainable smart & cognitive innovation in an African context

Global results

The global results can be viewed using this interactive map. The lefthand map shows the gridded global carbon footprint, as absolute volume of emissions per grid cell. The top 100 cities are shown (global top 100 in blue, top 50 in orange, and top 10 in red). Open map in new window >>>

TOP 100 CITIES

CARBON FOOTPRINTS PER CAPITA



Note: the Web Mercator projection used for this online presentation distorts high-latitude regions (e.g. northern US and European cities), making them appear larger and visually more prominent than they are. All numerical analyses should be done using an equal-area projection. This map was generated with the NTNU Spatial Footprinting Toolbox.





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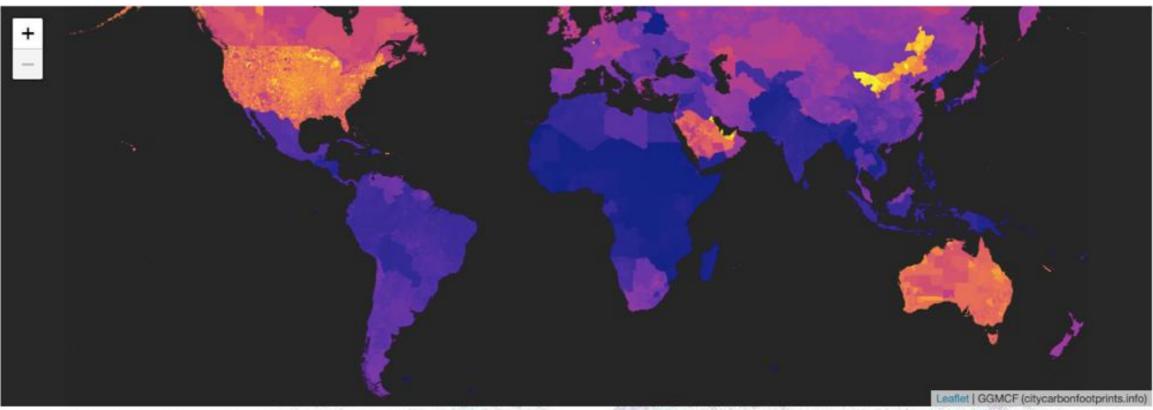
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Context

- Sustainable innovations to optimise future developments
- Predictive demand
- Opportunities to do it right, the first time

Smart and cognitive solutions must solve our problems to be of any value to us.

Those who pursue these innovations would serve the planet by developing them to be impactful.



