

# Regenerative Cities

## Opening Address

Urban Solutions & Sustainability R&D Congress  
Science of Cities Symposium

5 October 2023

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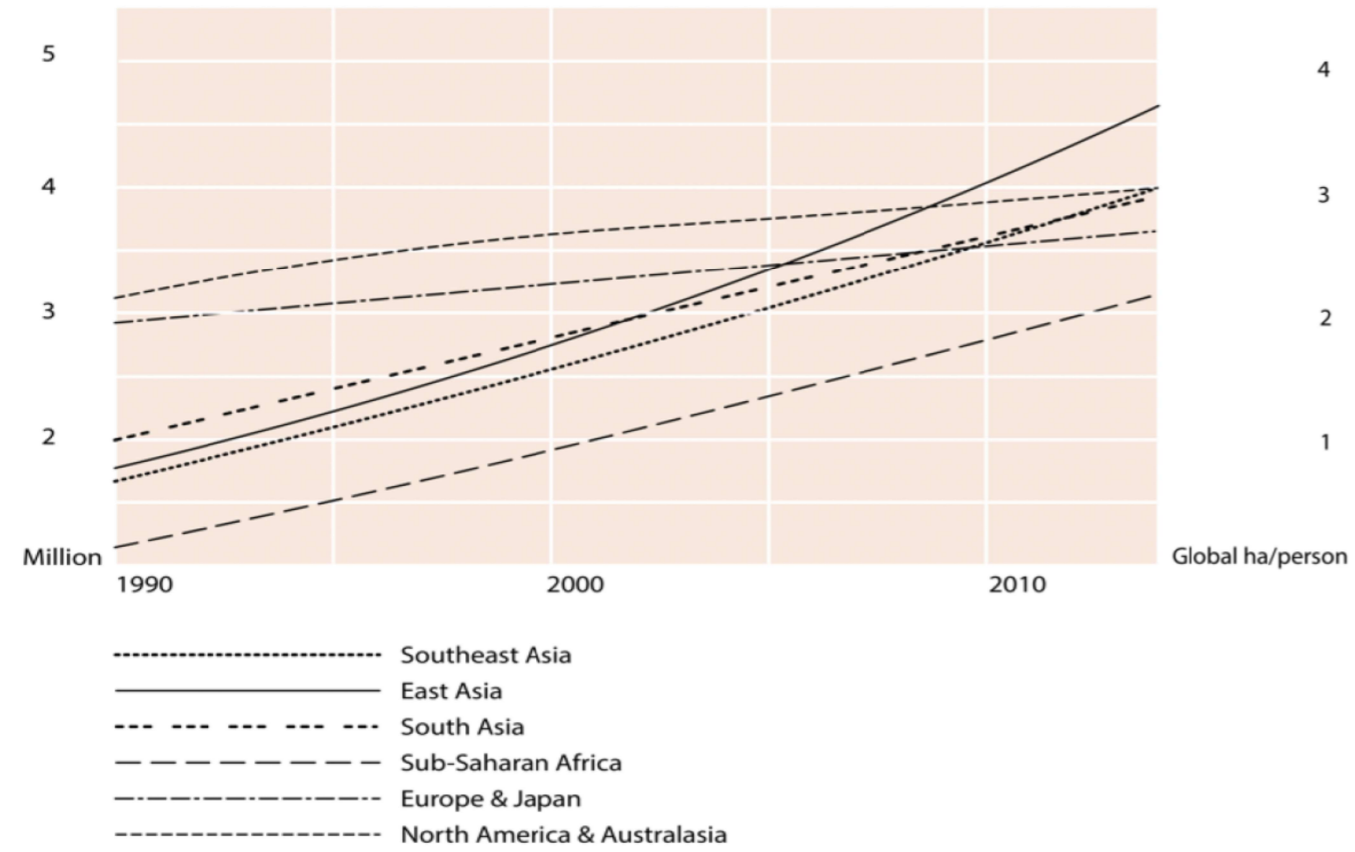


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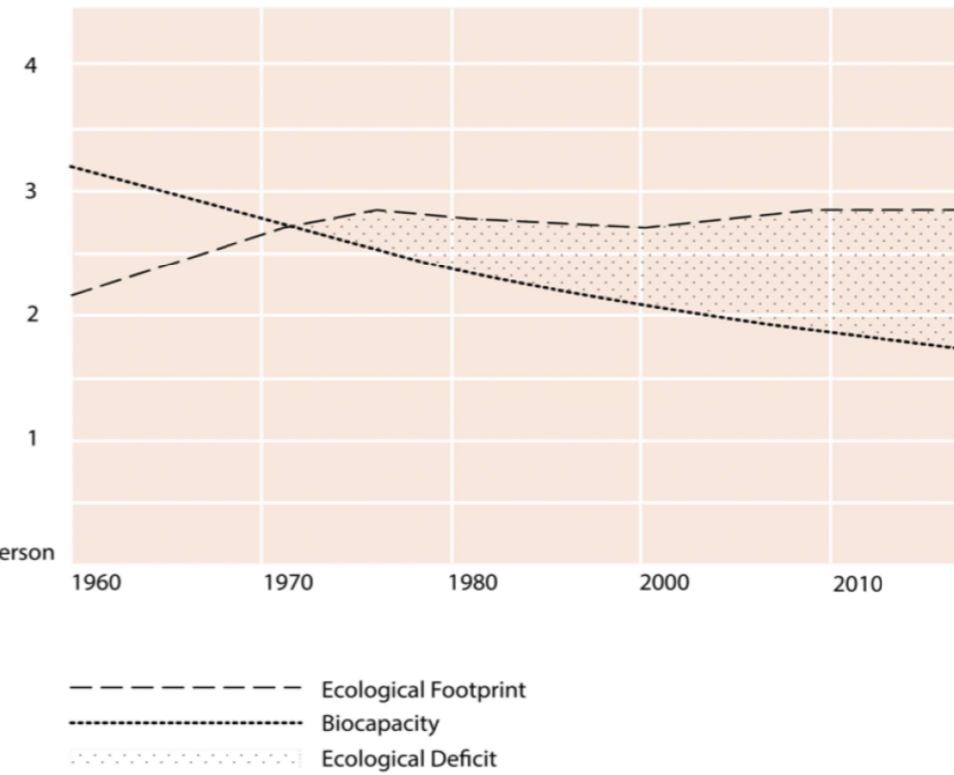
# Regenerative Cities

Taking stock of today's situation

## Urban Population Growth



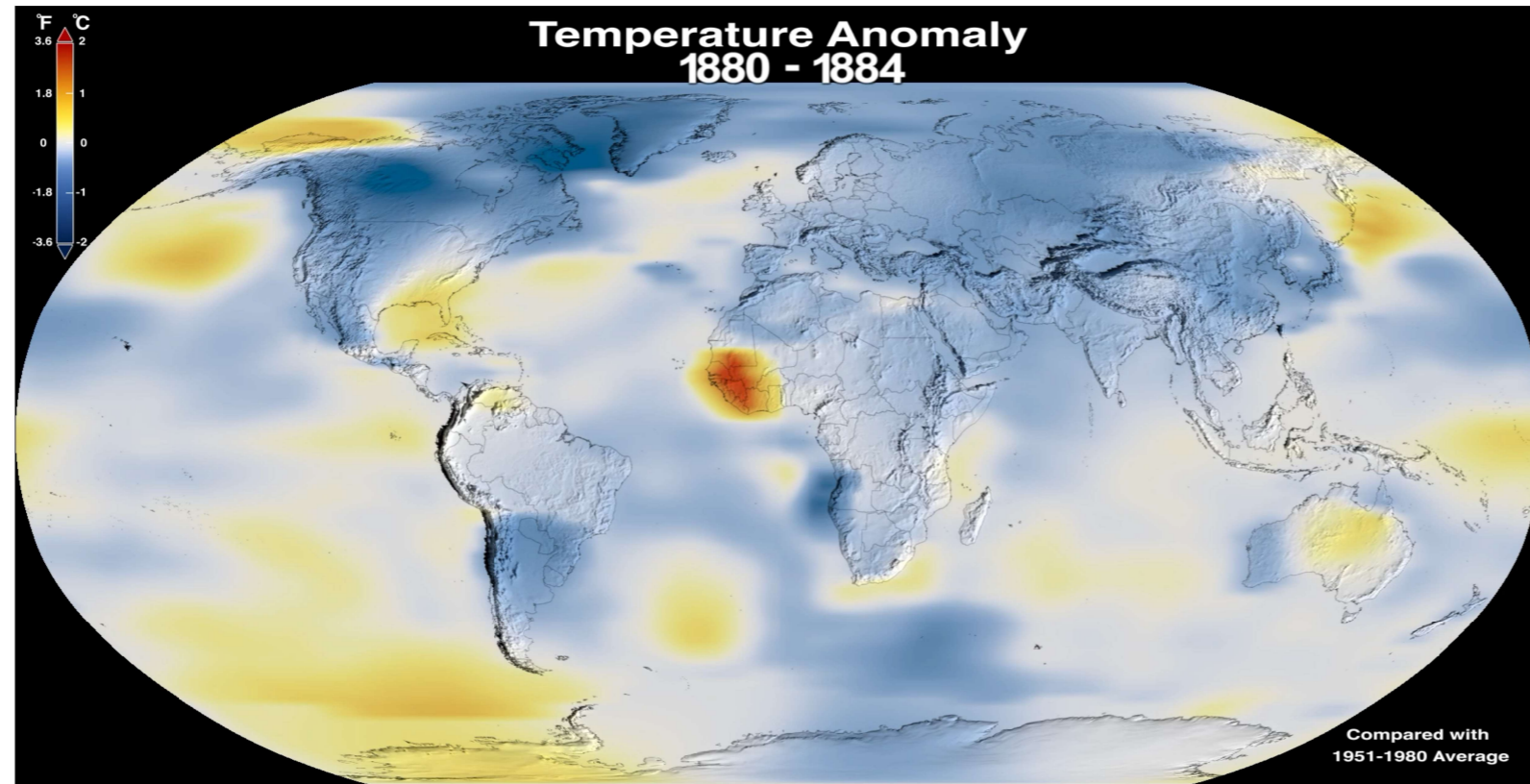
## World Ecological Deficit



Data: Angel 2016 , Wackernagel 2019

# Regenerative Cities

Taking stock of today's situation



Source: [climate.nasa.org](http://climate.nasa.org)

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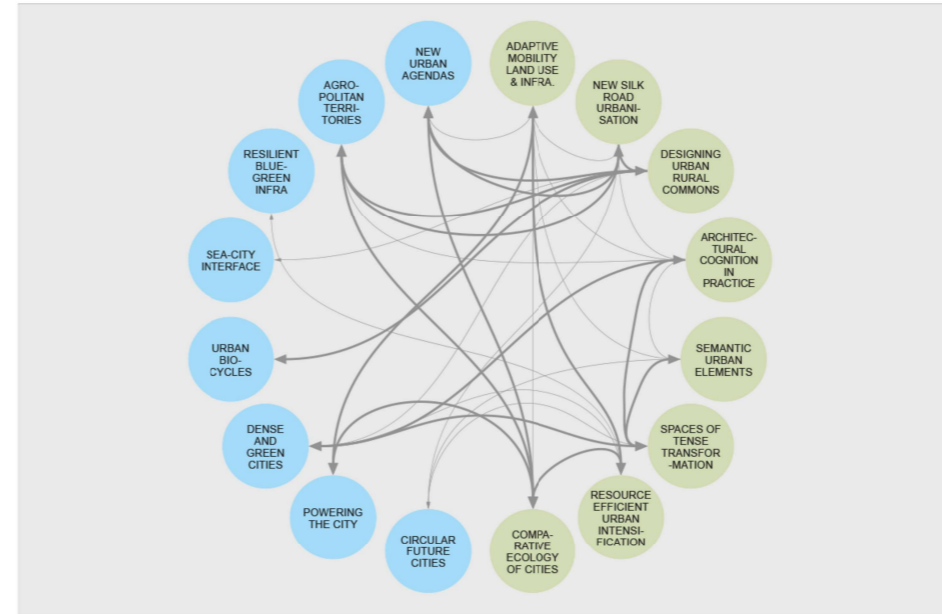
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# Regenerative Cities

UN Sustainable Development Goals and FCL Global research



Source: United Nations



# Regenerative Cities

## UN Sustainable Development Goals and FCL Global research

### MOST RELEVANT SDGS

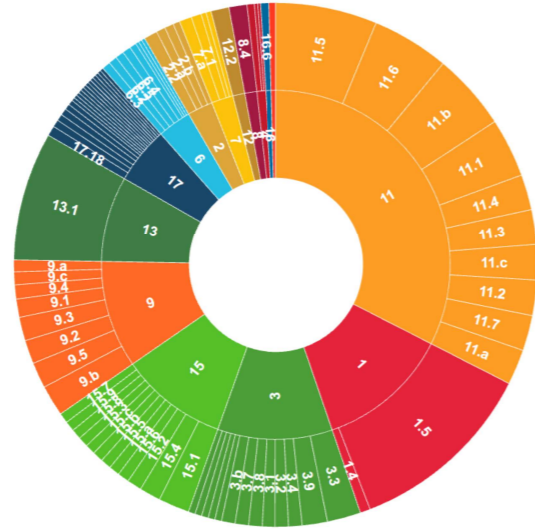
## SUSTAINABLE DEVELOPMENT GOALS

The United Nations **Sustainable Development Goals** (SDGs) are 17 global goals that all UN Member States have agreed to try to achieve by the year 2030.

The 17 SDGs are articulated into 169 **targets**, 230 **indicators**, and over 400 **data series** that help to measure the progress towards achieving the SDGs.

The full SDG Taxonomy is officially published and maintained as **linked open data** at: <http://metadata.un.org/sdg/>

Explore the SDG wheel to find goals, targets, indicators and data series that are most relevant to the processed document, based on the extracted concepts and geographical areas.



**11 SUSTAINABLE CITIES AND COMMUNITIES**  
Make cities and human settlements inclusive, safe, resilient and sustainable

**NAME:** Goal 11

**DESCRIPTION:** Make cities and human settlements inclusive, safe, resilient and sustainable



**3 GOOD HEALTH AND WELL-BEING**  
Ensure healthy lives and promote well-being for all at all ages

**NAME:** Goal 3

**DESCRIPTION:** Ensure healthy lives and promote well-being for all at all ages



**15 LIFE ON LAND**  
Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

**NAME:** Goal 15

**DESCRIPTION:** Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss



**9 INDUSTRY, INNOVATION AND INFRASTRUCTURE**  
Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

**NAME:** Goal 9

**DESCRIPTION:** Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation



**13 CLIMATE ACTION**  
Take urgent action to combat climate change and its impacts

**NAME:** Goal 13

**DESCRIPTION:** Take urgent action to combat climate change and its impacts



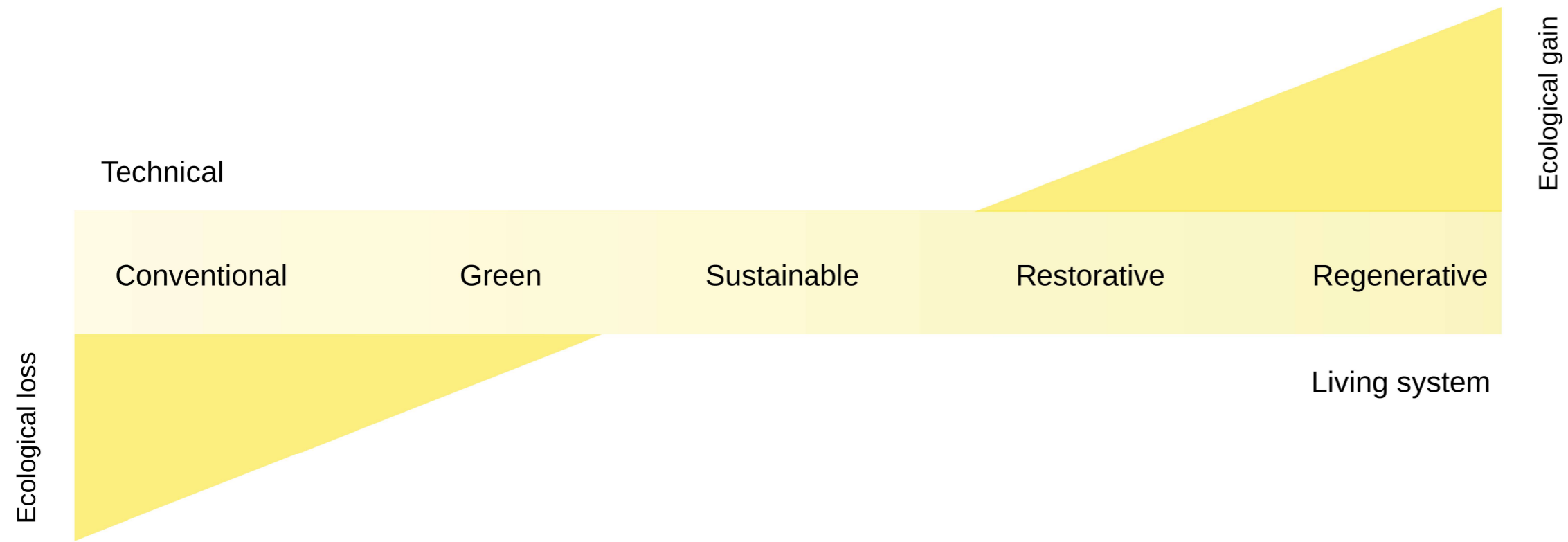
**17 PARTNERSHIPS FOR THE GOALS**  
Strengthen the means of implementation and revitalize the global partnership for sustainable development

**NAME:** Goal 17

**DESCRIPTION:** Strengthen the means of implementation and revitalize the global partnership for sustainable development

# Regenerative Cities

Towards a new paradigm for urban planning and design



Source: Arup

# Regenerative Cities

Towards a new paradigm for urban planning and design



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Towards a new paradigm for urban planning and design



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# Future Cities Laboratory Global Conference

ETH Zurich, 12-13 October 2023



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