

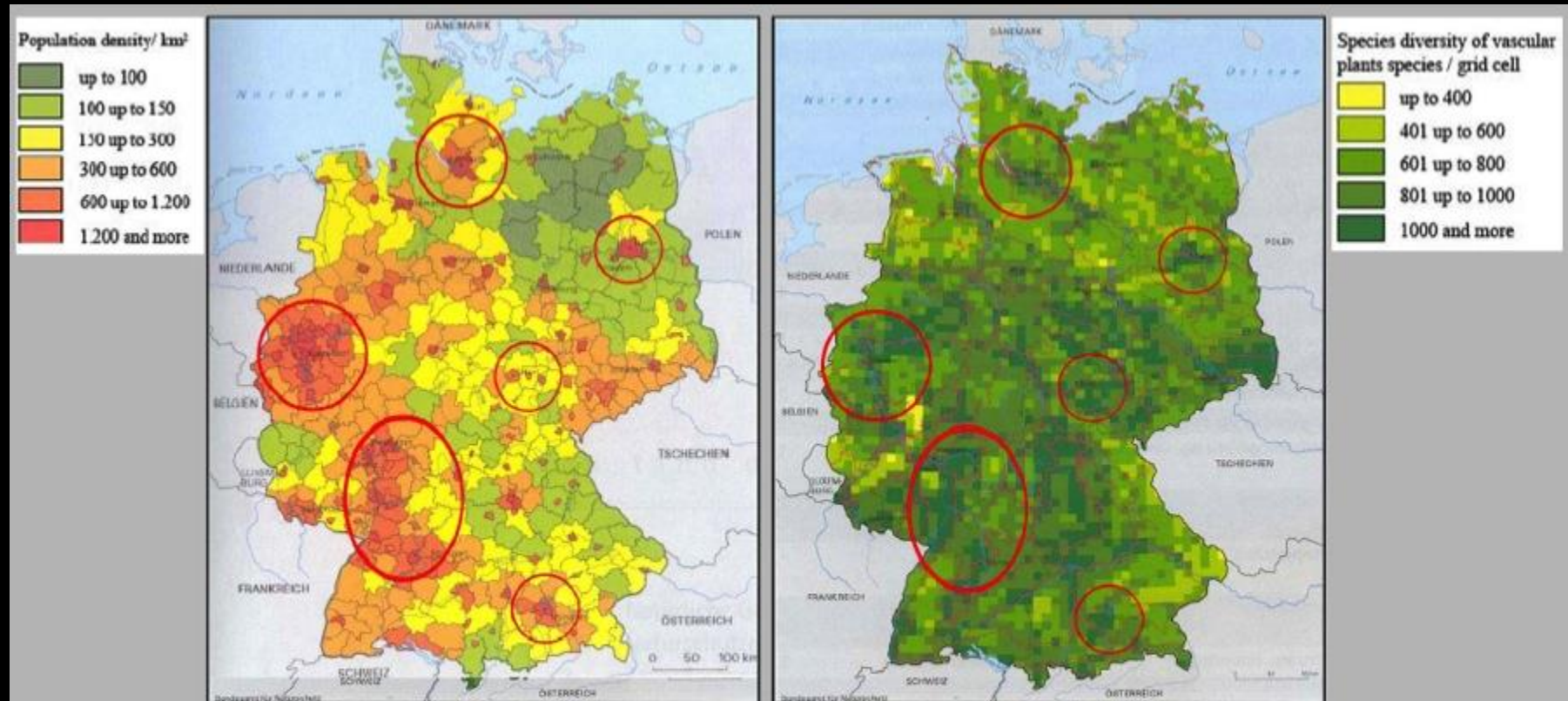


**How can people and nature prosper together
in the urban context?**

-different approaches to integrating nature in cities

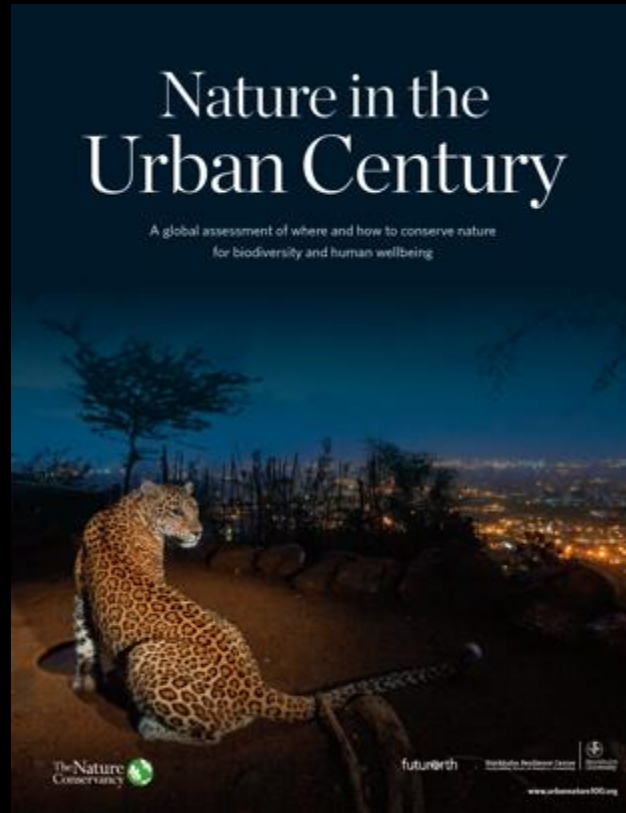
**Thomas Elmqvist
Stockholm Resilience Centre**

Urban centra and centra for biodiversity often coincide



Urban agglomerations in Germany and plant species diversity

Urbanization and impact on Biodiversity

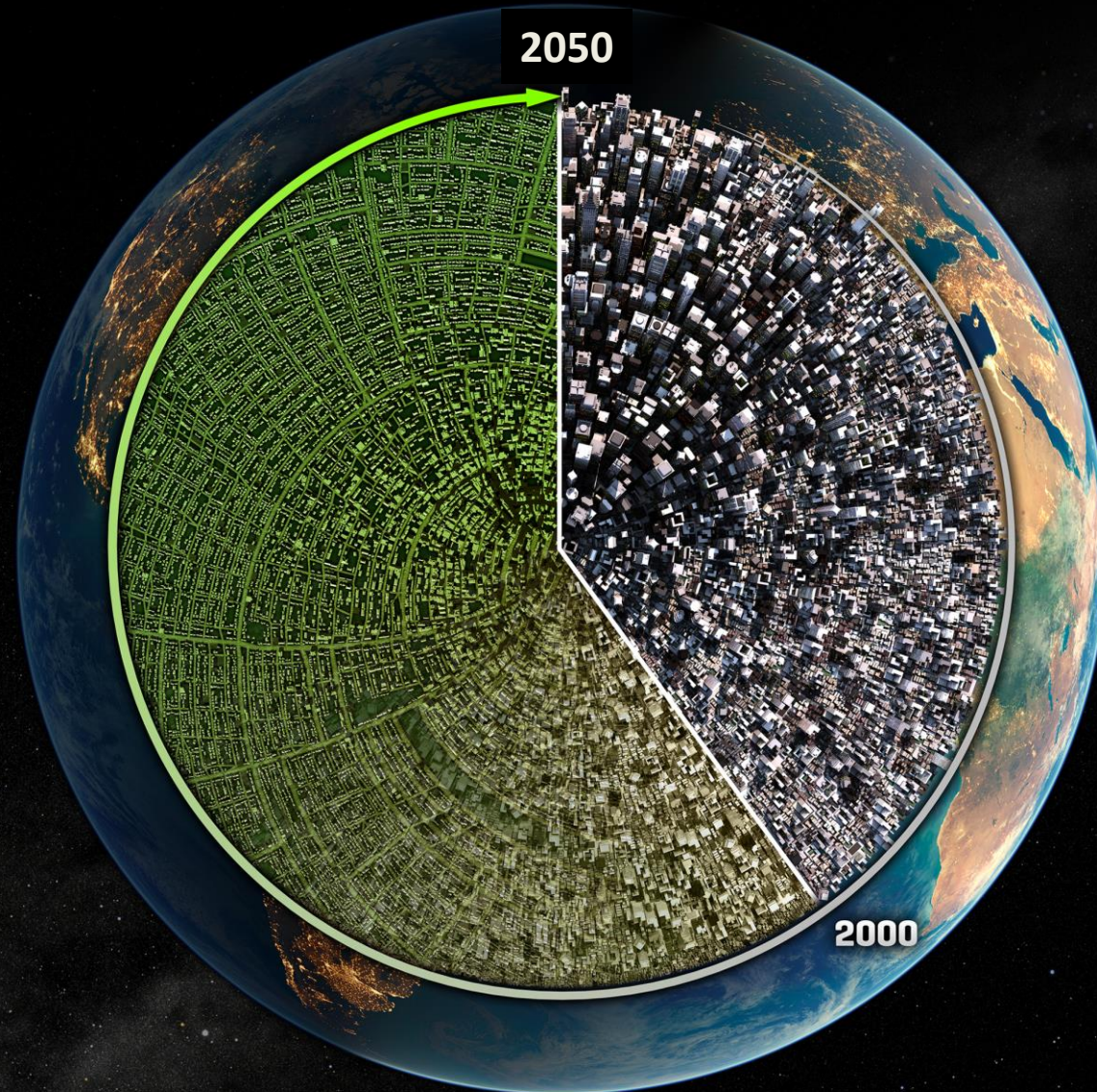


In two decades, due to rapid urban growth particularly in the global south, 40 % of the world's protected areas will essentially be “urban parks”

CHALLENGES & OPPORTUNITIES

MORE THAN 60% OF THE AREA PROJECTED TO BE URBAN

HAS YET TO BE BUILT

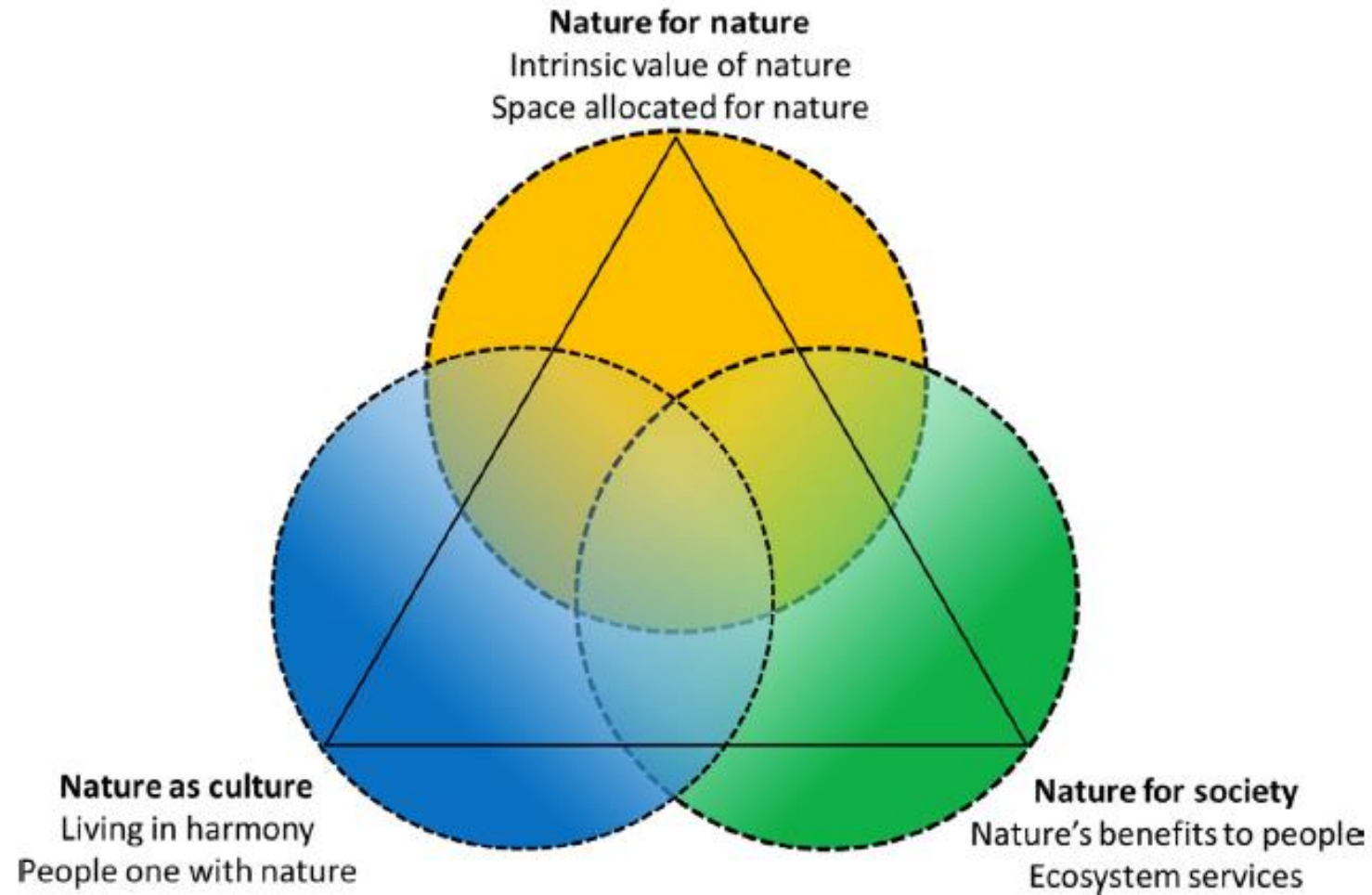




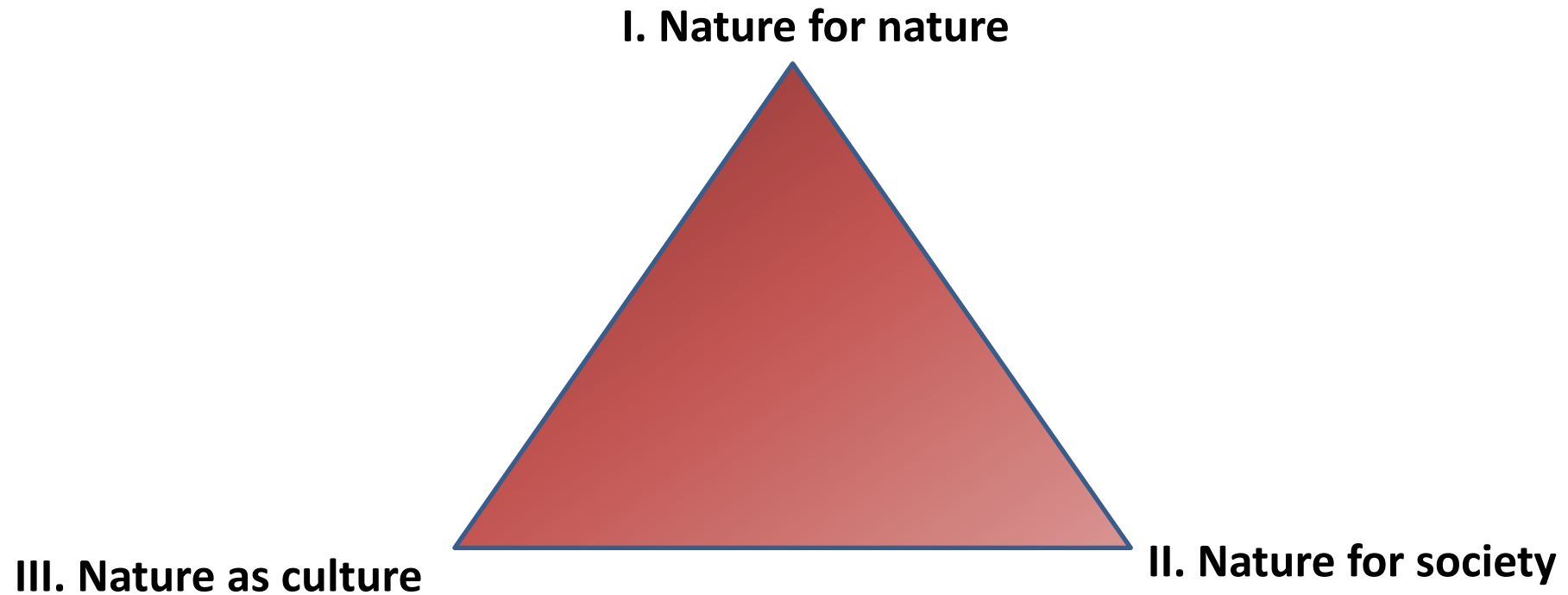




Natures Future Framework - three dimensions of nature and people

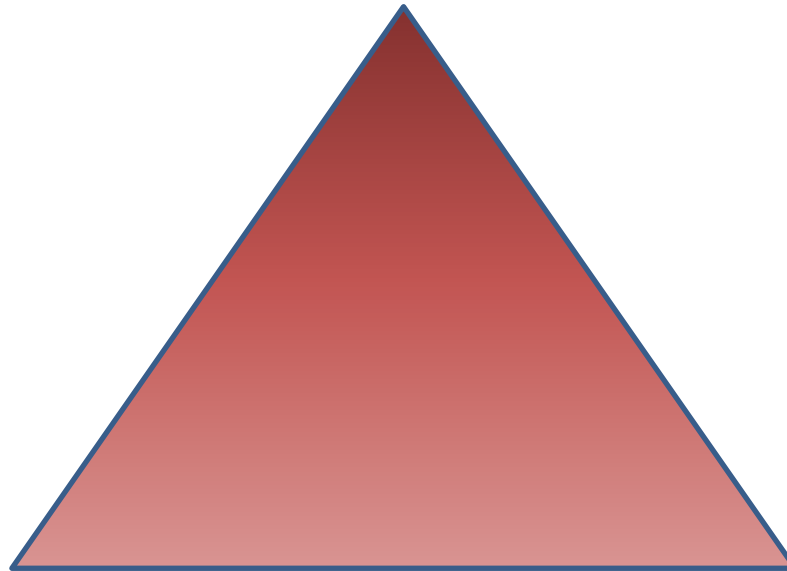


Urban Nature Futures



I. Urban Nature for nature

biodiversity and natural processes with the
rewilding of urban parks with native species
and increased connectivity to the wider
landscape.

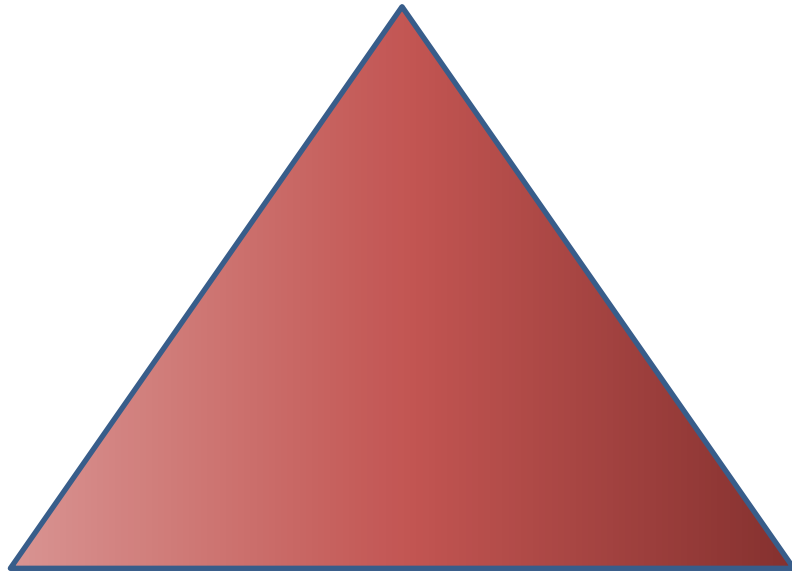


EU Nature Restoration Law: A boost for biodiversity and climate

Today the European Commission proposed a new nature restoration law with binding targets on pollinators, wetlands, rivers, forests, marine ecosystems, urban areas and peatlands. The new law aims to bring nature back across the continent for the benefit of biodiversity, climate and people. It can be a gamechanger if fully implemented. It's now crucial that both the European Parliament and EU Member States endorse the law and move to swift implementation.



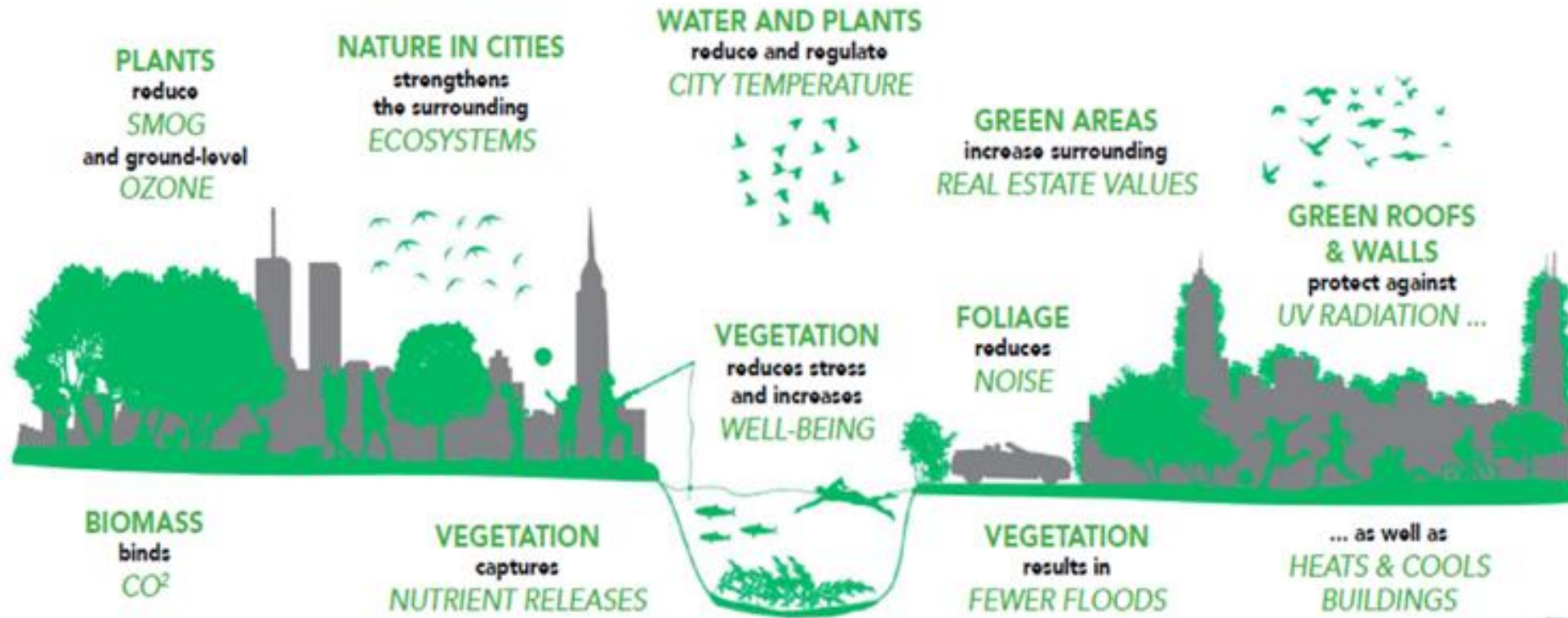
River in Gäddede, Sweden



II. Nature for society

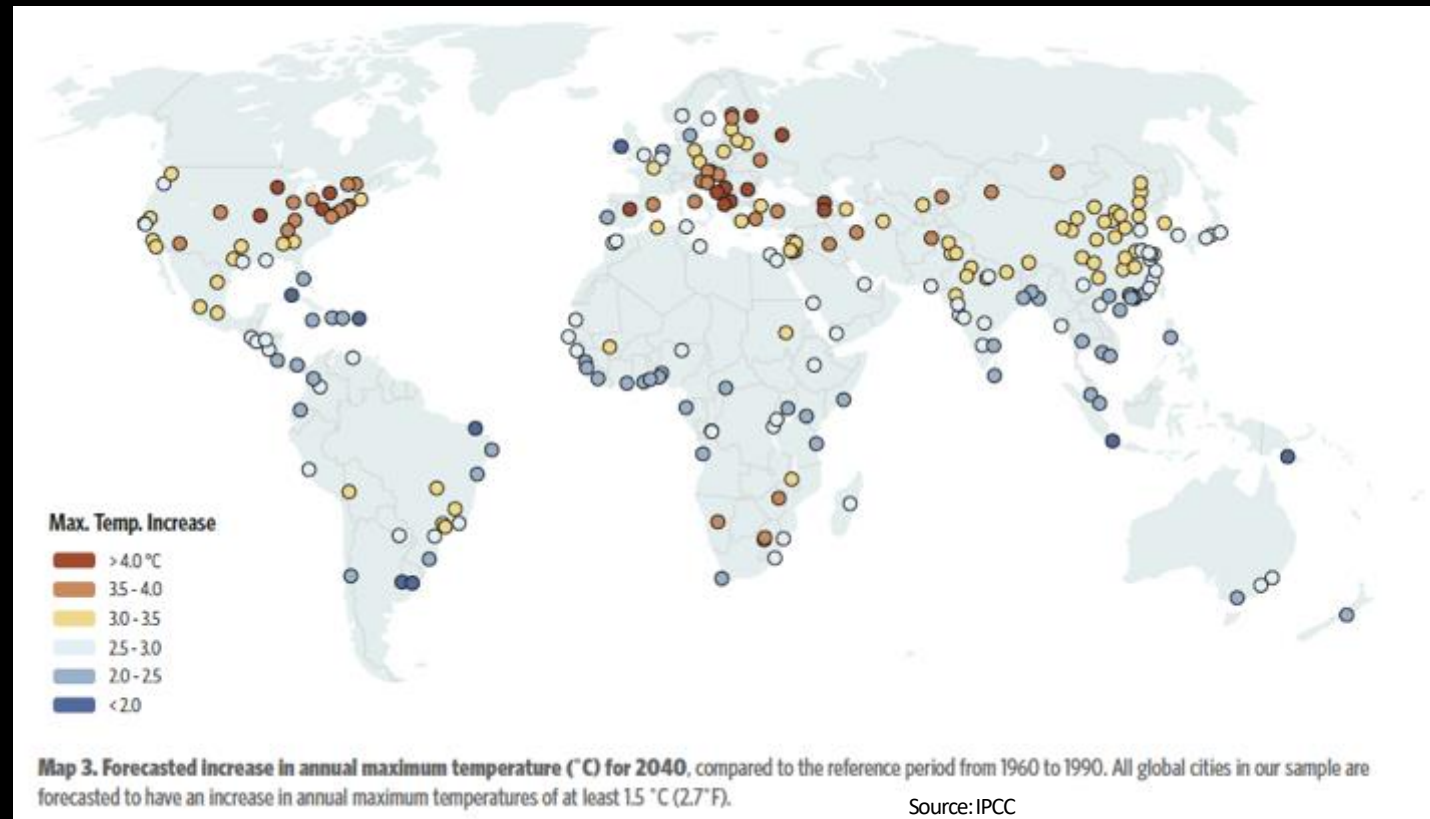
utilitarian values, availability of nature-based solutions, such as green infrastructure, green roofs, artificial wetlands, to improve climate, air quality, water quality physical and mental well-being

Nature-based solution dimensions



(Illustration: C/O City)

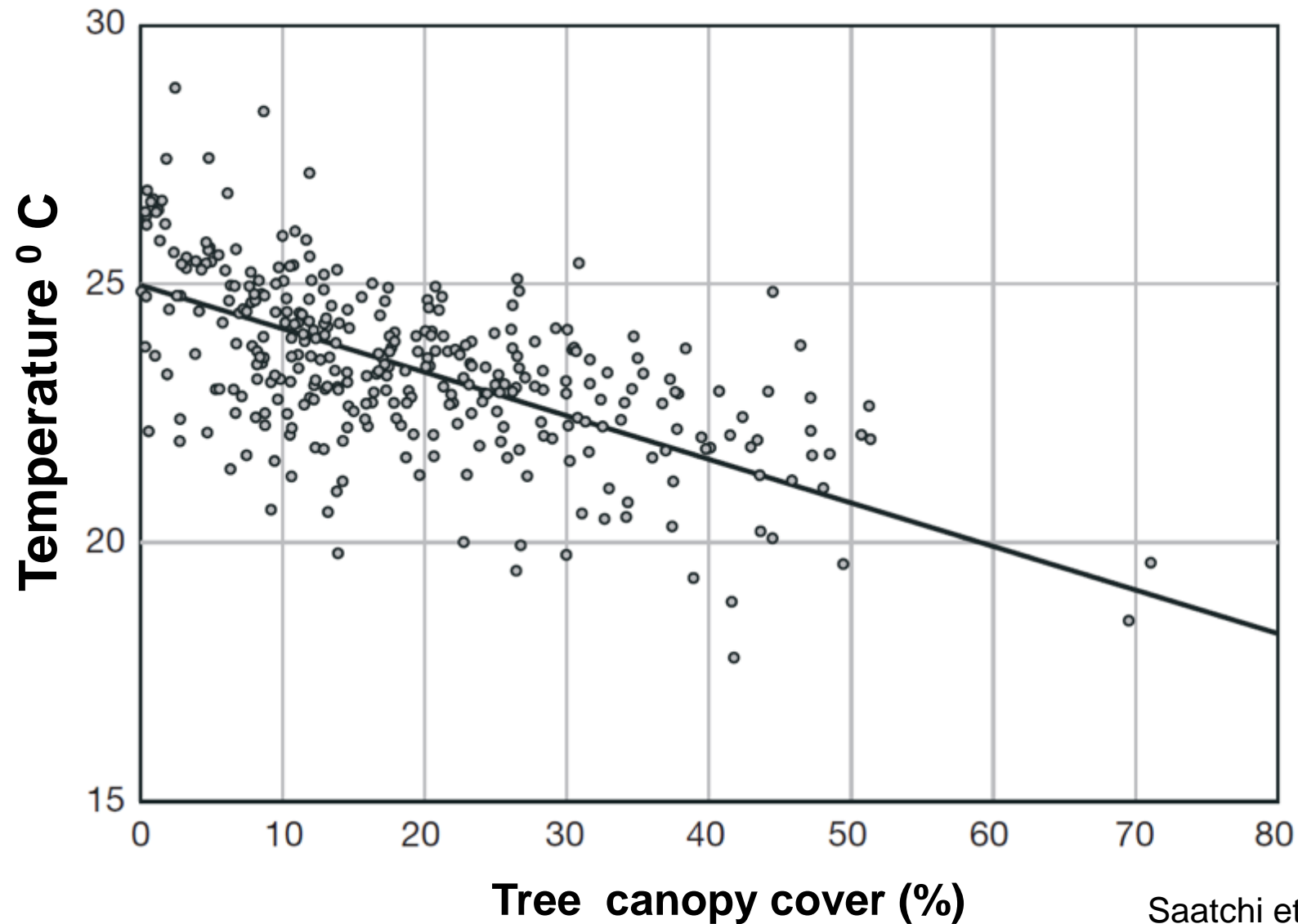
Climate change – Increase in Urban Temperature



Urban heat waves



Cooling effect of trees in the urban landscape



Increasing risks of flooding



Urban Response Paradigms





200 million € invested in demonstration projects

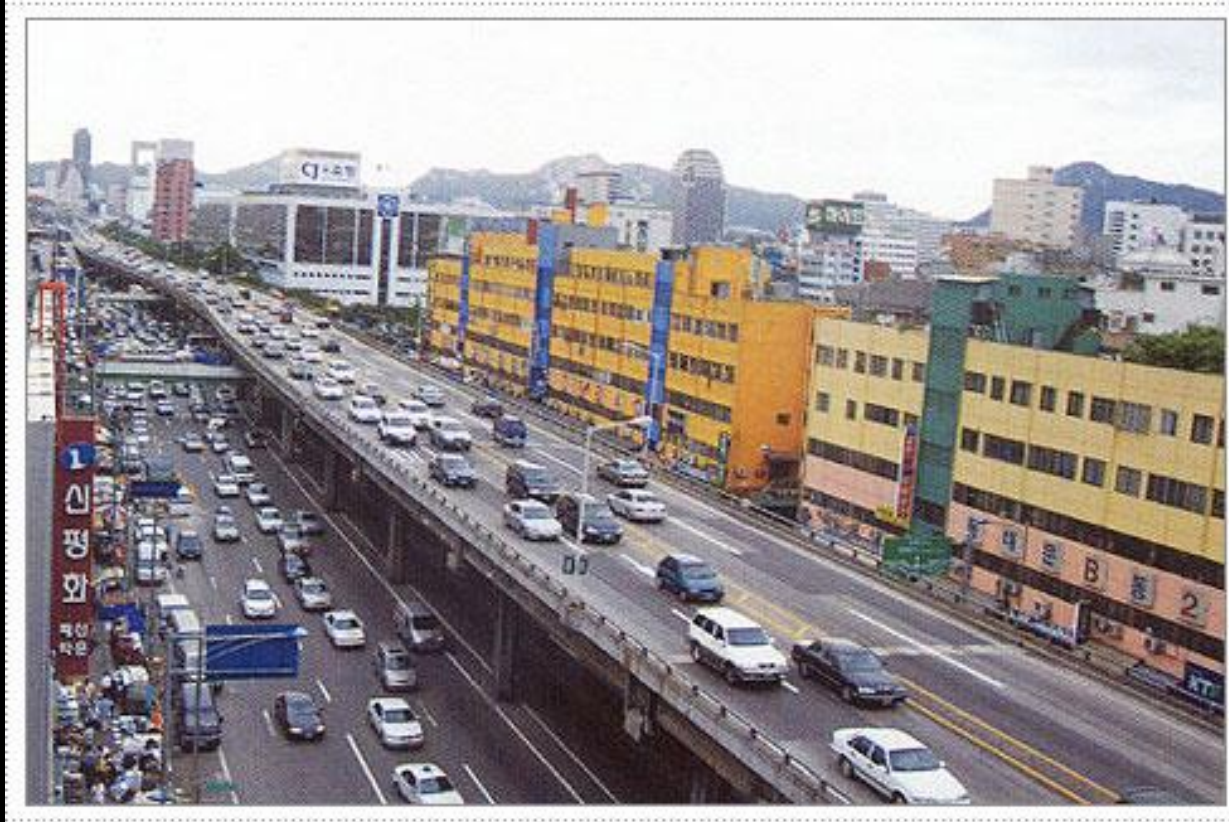
Nature based solutions, integrating living systems with the built system



Linear Parks



Chonggyechon freeway in 1971





**Chonggyecheon "freeway"
in 2016**



Linear Park in Mumbai



Linking affluent and poor neighbourhoods together



Green areas and health

An observational population study of the population of UK younger than retirement age (N= 40 813 236).

A significant association between residence in the most green areas and decreased rates for all-cause mortality in 2001-2005 (366 348 deaths) with control for potential confounding factors.

Mitchell R, Popham F 2008.
Effect of exposure to natural environment on health inequalities: an observational population study. *Lancet* 372(9650): 1655-1660.

#NATURE NEVER CLOSES: NATURAL BENEFITS OF PUBLIC PARKS AND GREEN SPACES - COVID-19



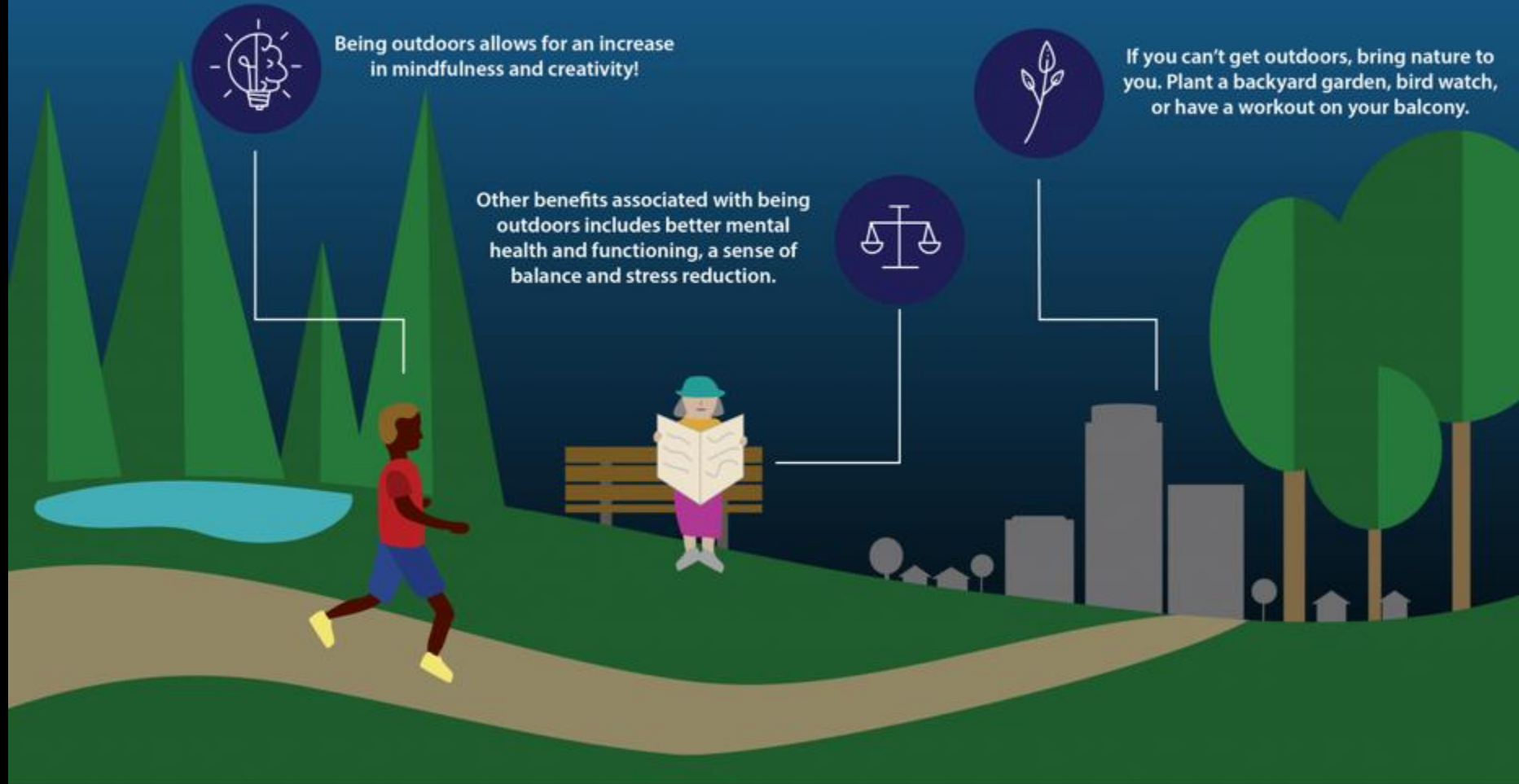
Being outdoors allows for an increase in mindfulness and creativity!



If you can't get outdoors, bring nature to you. Plant a backyard garden, bird watch, or have a workout on your balcony.



Other benefits associated with being outdoors includes better mental health and functioning, a sense of balance and stress reduction.



In all instances we strongly recommend people follow Government directives and guidelines regarding the use of these spaces and recognize that these vary from community to community.

Singapore - Green cover 1980 - 36%, 2016 - 47%

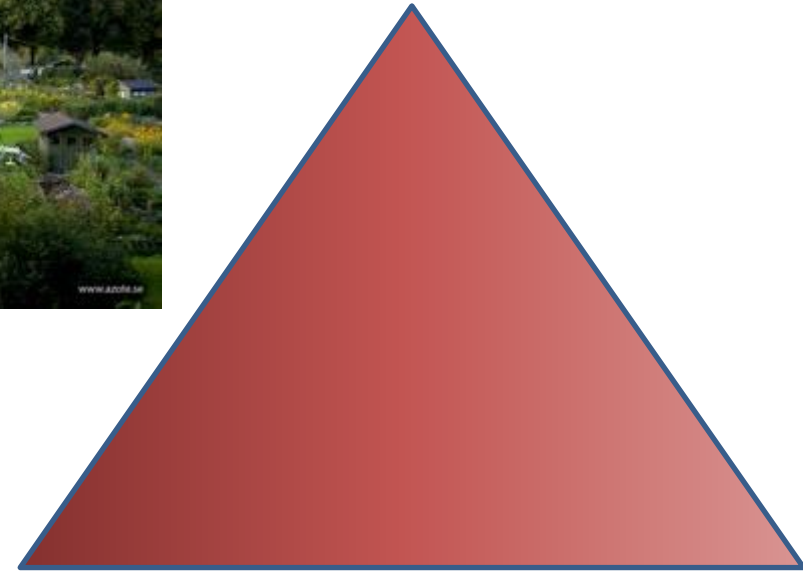


Singapore - rated as the most healthy city in the world.
Bloomberg rankings 2015.



III. Nature as culture

cultural values, relationship between people and nature in cities, including the possibility of urban gardening, the historical heritage of city parks and botanical gardens, among others.

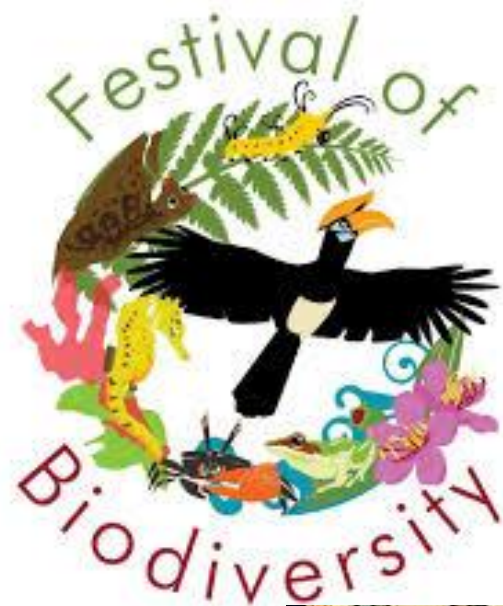


Pop up parks



Pocket parks





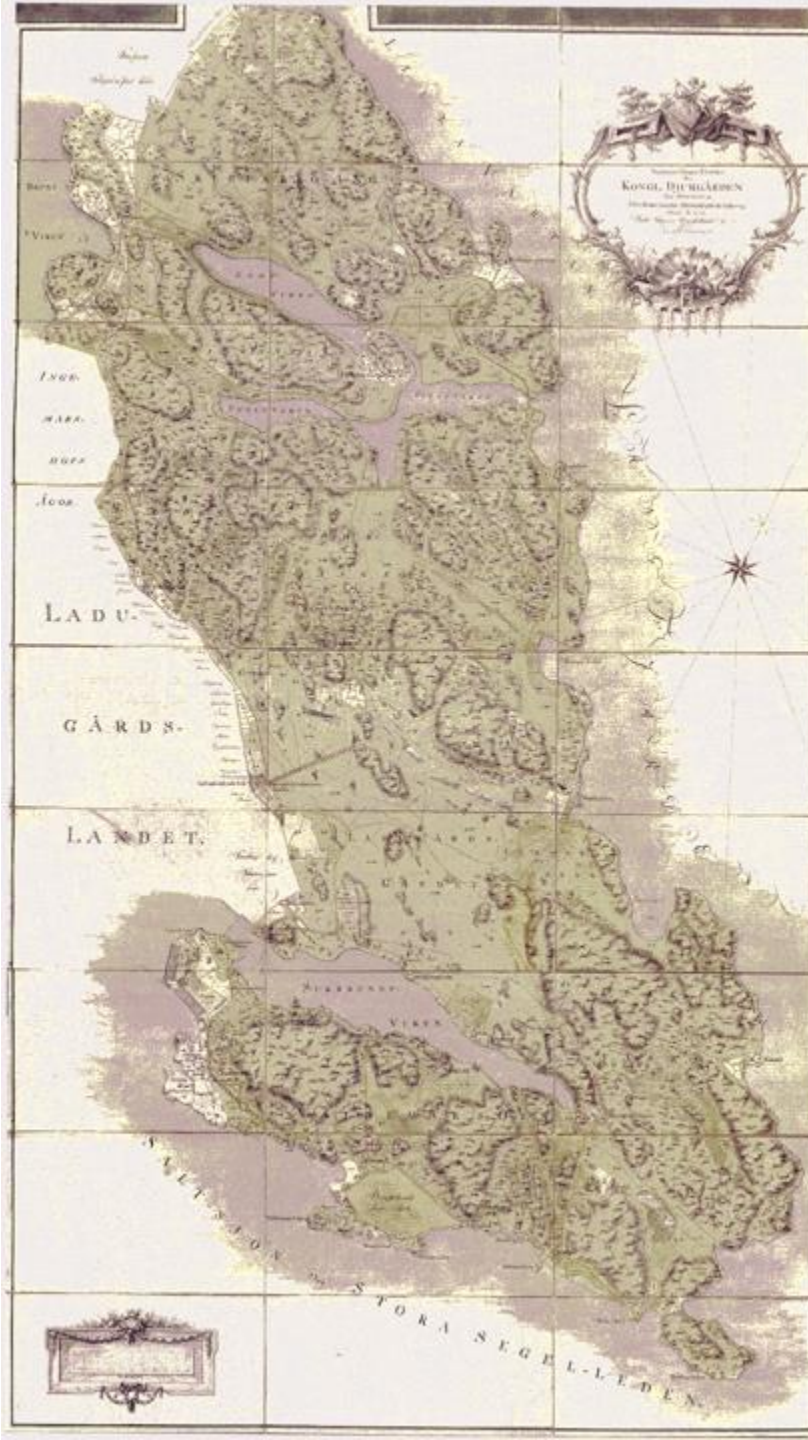
EXPLORE
JACKSONVILLE

Hogans Creek
BIODIVERSITY

FESTIVAL



Cultural dimensions in the Urban National Park, Stockholm



Opera singer: Jenny Lind



Painter: JC Linnerhielm

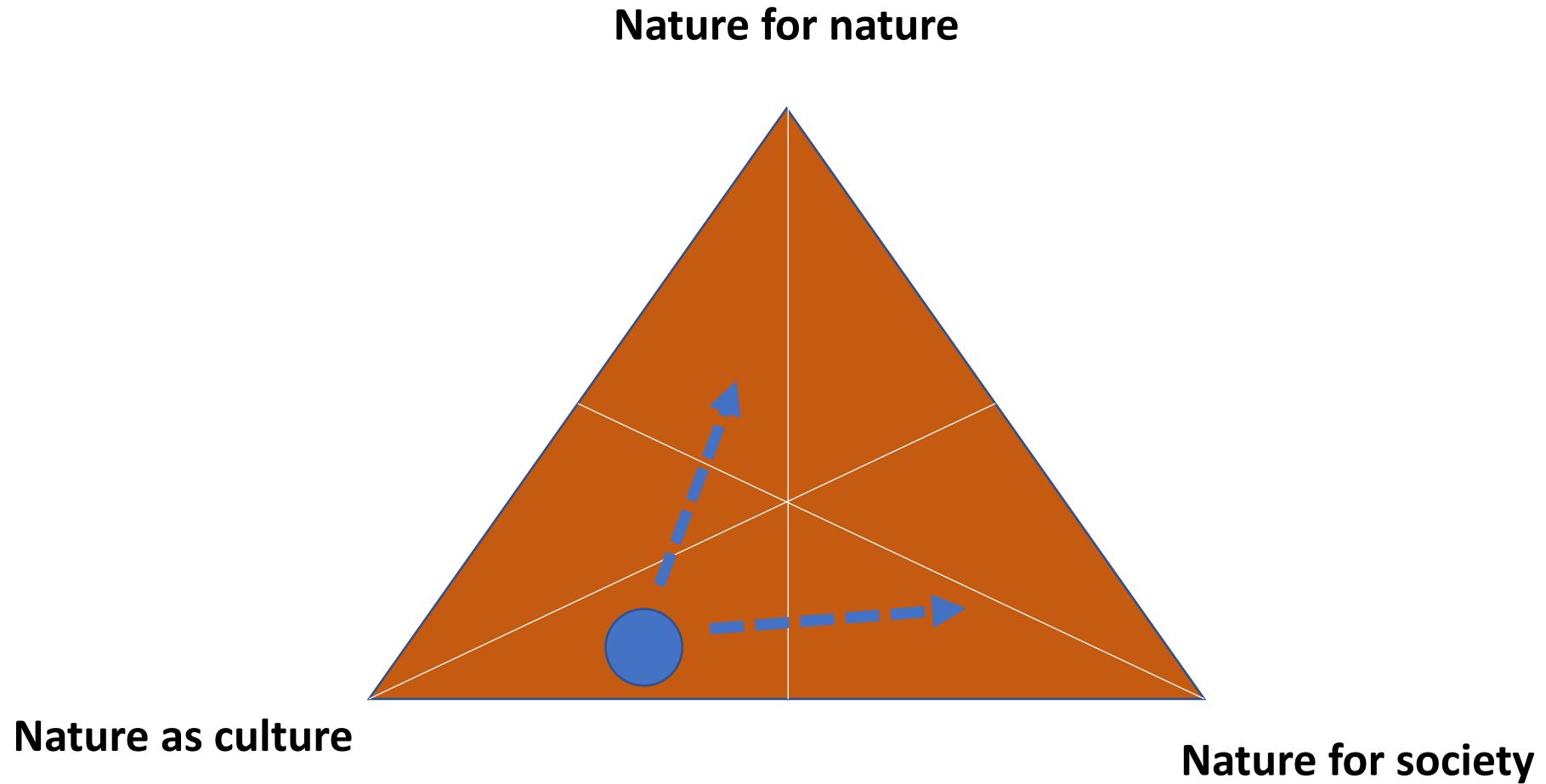


Composer: CM Bellman



Composer: JM Krause

Urban Nature Futures





THE GLOBAL GOALS

For Sustainable Development



“Plan of action, local and subnational governments”



Montreal, December 2022



ICLEI is the leading global network of over **1,750 cities**, towns & regions committed to building a **sustainable urban future**.

Our dedicated global **Cities Biodiversity Center** **works with cities** & other subnational governments across the world to **mainstream biodiversity and nature-based solutions** into urban planning and development **at the local level**.

**Protecting
and
enhancing
urban
nature
through
collective
actions by
local and
regional
government**



7th Global Cities and Biodiversity Summit December 2022



Thank You