

RUHR-UNIVERSITÄT BOCHUM

Session 8 - Developing visions and scenario storylines (hands on)

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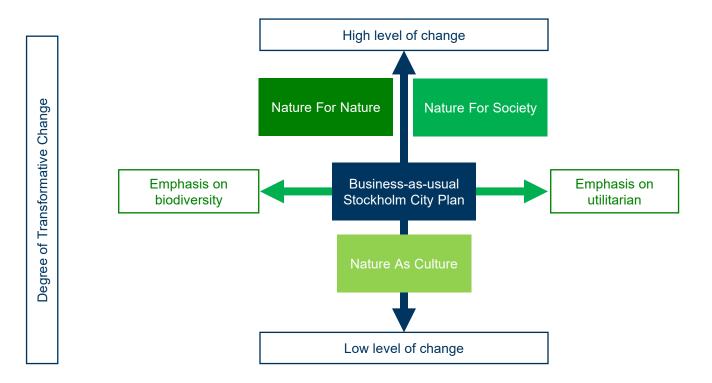
EUP - Session 8: Developing visions and scenario storylines (hands on)

Content

- Visions and scenario storylines Urban Nature Futures Framework (UNFF)
 - Nature for Nature
 - Nature for Society
 - Nature as Culture



Dominant perspectives on nature-human relations



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Industrial areas with disruptive businesses Destruction of habitats by building projects Increased disturbance and mortality through Heat accumulation in urban areas due to sealed soils, dark construction material anthropogenic activities (e.g. traffic, artificial lights) · Fragmentation and isolation of remaining green spaces · Lack of cooling through evapotranspiration due to missing urban green elements Increasing frequency for stormwater events and rising Spatially isolated neighbourhood and socio-economical sea level segregation Settlements in vulnerable stormwater effected areas Social exclusion due to insecurity and limited access High proportions of sealed, impermeable surfaces; Increasing demand for inclusive socio-cultural and increased surface runoff recreational spaces City Planning Administration (2018)

Requirements	Number of Inhabitants	Accommodation for 18.000 new inhabitants by 2040 (Total population of 64,574)
	Amenities	3 new schools and expansion of existing schools Additional companies, light industry, warehousing and offices Expansion of commercial premises and services New sports facilities/ playgrounds (2 sports hall, 1 swimming pool, 1 ice rink)
Variables	Additional Settlement Structures	Depending on the scenario: "Business as usual" (planning according to Stockholm City Plan) "Nature for Biodiversity" (environment-oriented planning) "Nature for Society" (Socio-Economical-oriented planning)
	Green and Blue Infrastructure	
	Additional Road Structures	



Hands-on Environmental Urban Planning

Task: Prepare a "guiding statement/objective" and a short paragraph describing your specific scenario. Build on your previous problem analysis of the study area. It is important that you familiarize yourself with the respective **perspectives of the nature-human relationships** for which you are responsible, i.e. nature for nature, nature for society, and nature as culture.

CH 1: Urban heat island

CH 2: Loss of biodiversity

CH 3: Flooding risks

CH 4: Social cohesion & Quality of life

NATURE AS NATURE (Biodiversity first)

NATURE FOR SOCIETY (People first)

NATURE AS CULTURE (Tradition first)



Thank You

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Suggested readings

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- · Steinitz, Carl. 2012. A Framework for Geodesign: Changing Geography by Design. ESRI.

