Resilient Cities 2019:

Building Sustainable and Resilient Cities through the Design of Innovative and Inclusive Urban Landscapes

RE-CONNECTING PEOPLE AND NATURE THROUGH TRANSFORMATIVE RESEARCH

HafenCity Universität Hamburg

HCU

Prof. Antje Stokman Architecture + Landscape, HafenCity University Hamburg / STUDIO URBANE LANDSCHAFTEN It will take more than ecological, technical and spatial solutions for urban landscapes to become resilient:



How can we change the human perception of natural processes from an egocentric to a more bio-centric perspective of entanglement and connectedness?



Natural processes perceived as a threat to urban areas



Nature-based solutions to address challenges and re-connect people and nature

"We cannot form to ourselves a just idea of the taste of a pineapple, without having tasted it."

(David Hume, Treatise on Human Nature, 1739)

"Humans must learn to speak the language in terms of which living things are organized, in order to read the world not as discrete things, but as dynamic relations, and to practice the art of managing complex, living systems."

(Anne Whiston Spirn: The Language of Landscape



Experiential Learning and Co-Creation

On-site and context-specific experience

Bodily and emotional appropriation

Knowing through Making and Testing

Co-learning through Co-Creation

Transformative Research

 Move beyond the boundaries of producing and delivering knowledge limited to an academic and theoretical research environment.

2. Engage with a specific context of societal and spatial reality where students, scientists and actors from practice actively initiate and shape transformation processes.

3. Create a framework for experiential co-design and co-production of real-world projects,

to shift from knowing to acting, towards a resilient citizenship.

Co-Creation Pathways and Stages of Implementation

CLEVER Cities guidance on co-creating nature-based solutions

CLEVER Cities

PART I - Defining the co-creation framework and stakeholder engagement

Deliverable 1.1.5

ObserviceNet Level	Phase	
Lood Partner	Politecnice di Milano	
Ove Date	36.+1.18	
Submission Date	98.11.18	



http://clevercities.eu







EXPLORING AND PERFORMING





Systematizing





Modelling

MAPPING AND VISUALIZING



Drawing



Visualizing





Workshop



Discussing









Implementing















TEMPORARY INSTALLATIONS



Testing



















DESIGN PROTOTYPES



HABITATION AND USE



GATHERING AND EVALUATING DATA

Interviews







Observations





GATHERING AND EVALUATING DATA



Expand

Replicate







UPSCALING AND EXTENDING

2006/2007: Student projects on Waterscape Urbanism

水城常德/常德市江北区水敏性城市发展 和可持续性水资源利用程架 % s=se vow Masserstadt Changde - Rahmenplan für einer Wasserstensitive Stadtentwicklung und nachhaltige Bewirtschaftung der Wasserressourcen Jiangbei District/Changde (China) Kapitel 1 - 3 Bestandsaufnahme

2012: Opening of first Waste Water Treatment Park

2015:

Nomination as "Model Sponge City" by Chinese National Government, receiving \$63 million per year for three years 2016:

Opening of "Little Hannover"



2005: Start of cooperation through EU project.

2008:

2010:

Framework Master Plan (2007-2020) on

Sustainable Water Resource Management

Design Phase River Park Chuanzi East, Changde



UPSCALING AND EXTENDING





2014: Design Phase Riverpark Xinhe, Changde

From Transformative Research...



Resilient Cities 2019:

Building Sustainable and Resilient Cities through the Design of Innovative and Inclusive Urban Landscapes

RE-CONNECTING PEOPLE AND NATURE THROUGH TRANSFORMATIVE RESEARCH

HafenCity Universität Hamburg

HCU

Prof. Antje Stokman Architecture + Landscape, HafenCity University Hamburg / STUDIO URBANE LANDSCHAFTEN