

1 Taihu Lake



2: Jiangnan Polders



3: Anting New Town



4: Pudong Coast

Country / City	Belgium / Leuven
University / School	University of Leuven
Academic year	2017-2018
Title of the project	Requalifying Suzhou Creek as a Zero-Carbon Elastic Spine, Yangtze Basin, China
Authors	Anshu Ahuja, Siqin Chen, Manola Colabianchi, Marta Finotello, Lavina Isan, Olivia Missiaen, Minh Quang Nguyen, Sarah Van de Velde, Maarten Van Hulle, Yuxi Wu, Mariia Zakharova





PERFORMATIVE NATURE

Barcelona International Landscape Architecture Biennial

September 2018 **Barcelona**

SCHOOL PRIZE

X International Landscape Architecture Biennial

Máster d'Arquitectura del Paisatge -DUOT - UPC
ETSAB- Escola Tècnica Superior
d'Arquitectura de Barcelona
Avenida Diagonal, 649 piso 5
08028 Barcelona-Spain

TECHNICAL DOSSIER

Title of the project	Requalifying Suzhou Creek as a Zero-Carbon Elastic Spine Yangtze Basin, China
Authors	11 MaHS/ MaUSP students (names on projects)
Title of the course	Landscape Urbanism Studio: Climate Change & Urban Deltas
Academic year	2017-2018
Teaching Staff	Kelly Shannon, Stefanie Dens, Christian Nolf (fieldwork)
Department/Section/Program of belonging	Faculty of Engineering Science, Department of Architecture, Master of Human Settlements & Master of Urbanism and Strategic Planning
University/School	University of Leuven

Written statement, short description of the project in English, no more than 250 words

The transect is 140kmx10km, located in the Taihu Basin of the Yangtze River Delta. The vision is premised on rebalancing ecology and creating new landscape structures to both adapt to climate change and frame future urbanization. Across the transect, new landscape and settlement morphologies/ typologies are developed. Two distinct water landscapes frame the transect. Taihu Lake in the west supplies drinking water and Pudong Coast is in the east. Between is a continuous, non-hierarchical pattern of urbanization which includes Suzhou, an ancient water town of 10 million inhabitants, and Shanghai, a metropole of 24 million inhabitants. While the coast has to cope with sea level rise (1 meter by 2050), Taihu Lake suffers from issues related to water quality and quantity. Learning from indigenous techniques for floodwater management, there is the opportunity to move away from flood control towards controlled flooding. Suzhou Creek is requalified to become the territory's primary spine which, in turn, restructures open and built space. It is reestablished as the lifeline, literally and figuratively of Taihu Basin. It is a linear ecological threshold which is conceptually elastic in that it contains a sequence of productive, performative and recreational landscapes. Orchards mark an expanded public realm and reveal its continuity. The new hybridized, elastic water spine frames strategic densification. Within the logic of constructing a New-Socialist Countryside, a territory of new nature is established to simultaneously absorb flood waters and future population growth (within new hybrid, medium-rise, high-density zero-carbon typologies).

For further information

Máster d'Arquitectura del Paisatge -DUOT - UPC

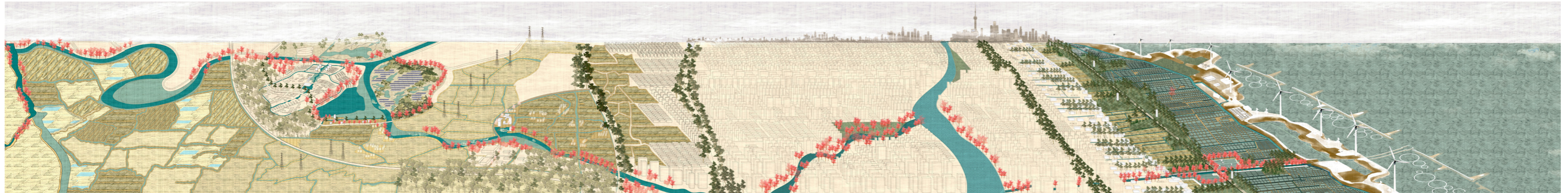
T: + 34 93 401 64 11 / +34 93 552 0842

Contact via email at: biennial.paisatge@upc.edu

Consult the web page <http://landscape.coac.net/>



Requalifying Suzhou Creek as a Zero-Carbon Elastic Spine Taihu Lake, (Suzhou), Jiangan polder system



Requalifying Suzhou Creek as a Zero-Carbon Elastic Spine Anting New Town, (Shanghai), Pudong Coast

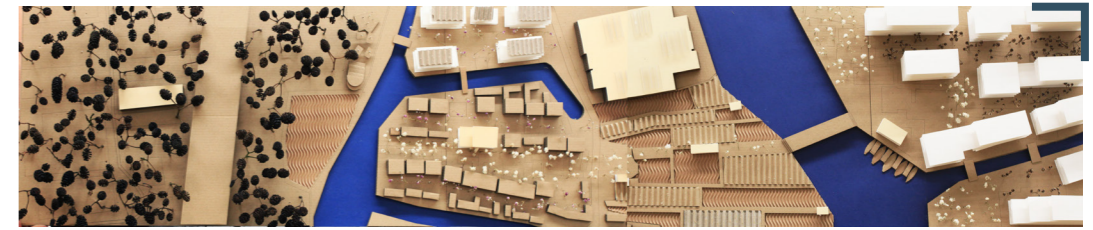


1 Taihu Lake

A.Ahuja
M. Q. Nguyen

BACK TO SHAN SHUI
enhance 'water & mountains', de-clamation
& deurbanization, massive
afforestation and return to nature

A De-industrializing with Nature
S. Chen
news wetlands & housing



B Luzhi Water Square
M. Finotello
floating market & transport hub



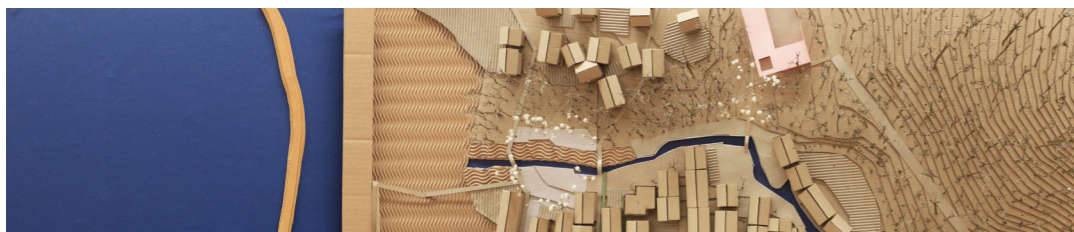
C Requalifying Polders
S. Van de Velde
intensification of typologies



2 Jiangnan Polders

S. Chen
M. Finotello
S. Van de Velde

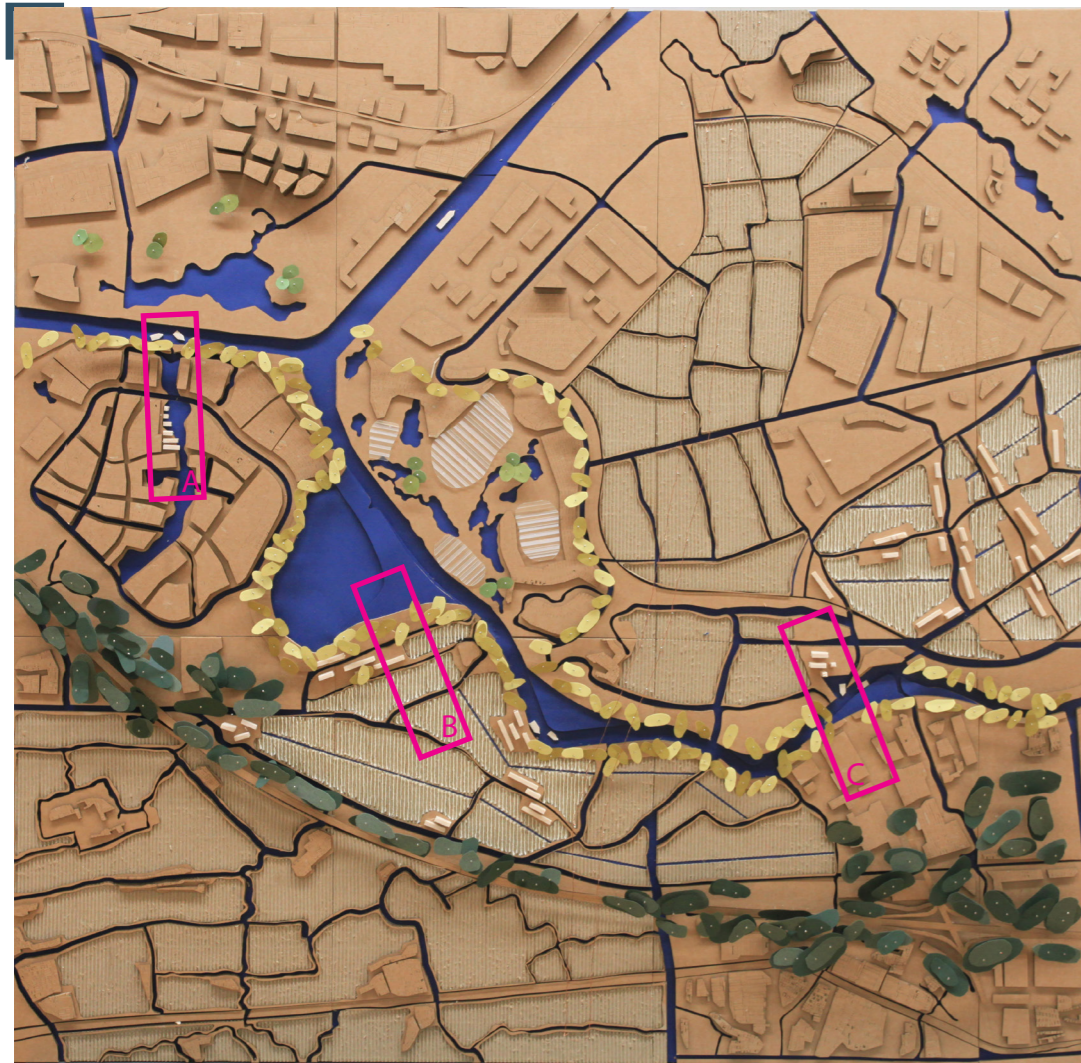
BUILDING THE NEW SOCIALIST
COUNTRYSIDE
agricultural intensification
& stewardship, ecological
awareness, new settlement
typologies



A Jianli Creek Requalification
A.Ahuja
civil to civic spine



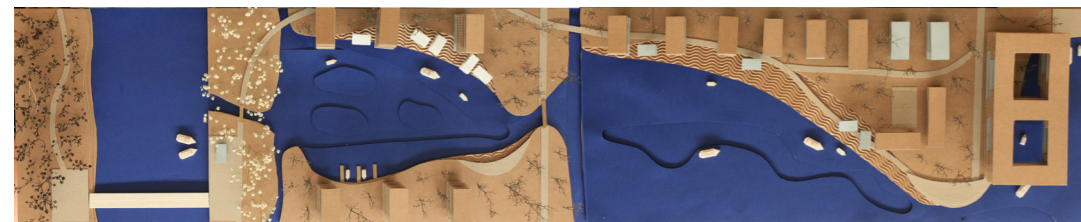
B Ecotones
M. Q. Nguyen
forestry think-tank



3 Anting New Town

O. Missiaen
M. Van Hulle
M. Zakharova

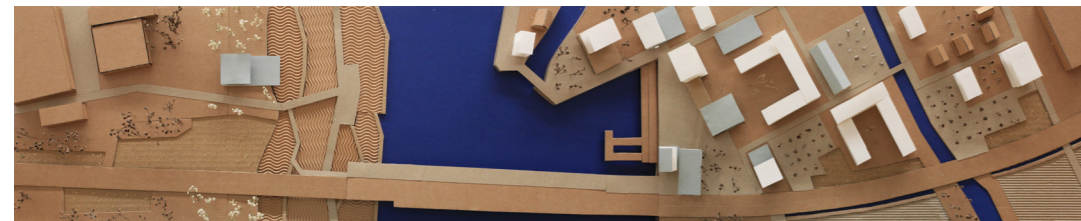
SUZHOU CREEK ELASTIC SPINE
space for the water, expanded
public realm, new settlement



A Anting Water Square
M. Zakharova
flood pocket as public space



B Meandering Minjacun
O. Missiaen
densified agriculture/ urbanism

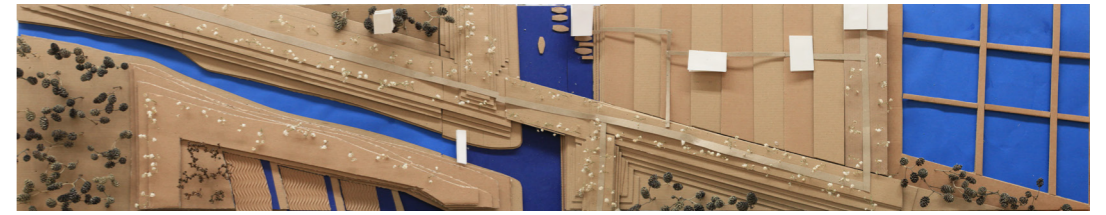


C Anting Transferium
M. Van Hulle
soft mobility as form generator

A Urban Watermarks
M. Colabianchi
21st century village



B Zhangjia Interchange
Y. Wu
infrastructure landscapes



C Energy Super Dyke
L. Isan
wind generation, aquaculture



4 Pudong Coast

M. Colabianchi
L. Isan
Y. Wu

LET IT FLOOD
sea level rise response, village
densification, productive water
landscapes

