

Scaling Down

Introducing an Inner-Boezem Landscape in the Polder-Boezem System of the Dutch Lowlands

Bobbink, I.; Pouderoijen, M.T.

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ECLAS 2023

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LABYRINTH OF THE WORLD LANDSCAPE CROSSROADS

BOOK OF ABSTRACTS - CONFERENCE GUIDE

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Landscape Crossroads

Book of Abstracts - Conference Guide
ECLAS 2023
Jiří Dohnal - Barbora Dohnalová eds.

People on Crossroads

Session 4

Monday 11th September

Room Z11

Moderators: Klára Salzmann, Romana Michalková

Technical support: Radim Klepárník

11:30 – 11:45	ID 210 Chingwen Chen: Climate Justice Design: Co-Design Nature-Based Solutions with Communities
11:45 – 12:00	ID 36 Jo Boonen, Hans Druart, Sylvie Van Damme: Disentangling social sustainability: the exploration of a concept in chaos
12:00 – 12:15	ID 92 Eva Žallmannová: Landscape as space for freedom: reflections on life and landscape in a post-communist country
12:15 – 12:30	ID 157 Emel Baylan, Felix Kienast: Place attachment of women migrants on the cross-roads between Türkiye and Zurich
12:30 – 12:45	ID 87 Boqing Fan, Fangqi Tan, Yuning Cheng: Construction of a rural ecological landscape database supported by digital twin technology
12:45 – 13:00	Discussion
13:00 – 14:00	Lunch
14:00 – 14:15	online ID 191 Laura Musacchio: Making New Urban Natures: The Culture, Ecology, and Politics of Cultivating Plants and Habitats in Sustainable Cities
14:15 – 14:30	online ID 158 Diego Martín Sánchez, Eduardo de Nó Santos, Francisco Arques Soler: Latent archipelago for urban agroecology in Madrid
14:30 – 14:45	online ID 60 Anna Codemo, Chiara Chioni, Ambra Barbini, Angelica Pianegonda: Renewable Energy Landscapes: investigating the public perception to support inclusive planning processes
14:45 – 15:00	online ID 91 Sinem Avcı Karaduman, Melih Bozkurt: Play for all Children: A Play Guide to Create Play Opportunities for Refugee Children
15:00 – 15:15	ID 139 Daniel Münderlein: Walkscapes: Mobile Methods in Landscape Research
15:15 – 15:30	ID 118 Johan Wirdelöv: Behaviourism in street furniture
15:30 – 15:45	Discussion
15:45 – 16:15	Coffee break
16:15 – 16:30	ID 113 Samaneh Nickayin: Waterscape in Hjari Veraldar: The ‚Last Habitable Edge of the Earth‘
16:30 – 16:45	ID 145 Anna Wilczyńska, Simon Bell, Izabela Myszka, Olexandr Karasov, Beata Gawryszewska: Values and ecosystem services of blue spaces in Warsaw – from the user perspective towards sustainable design.
16:45 – 17:00	ID 168 Gabriela Maksymiuk, Agata Cieszewska, Renata Giedych, Joanna Adamczyk-Jabłońska, Piotr Wałdykowski, Krzysztof Klimaszewski, Magdalena Kuchcik, Dorota Pusłowska-Tyszewska, Joanna Dudek-Klimiuk: Neighborhood Residents at a Crossroads - or whether we will take up the challenge of adapting our neighborhoods to climate change?
17:00 – 17:15	ID 62 Tayana Passos Rosa, Zsombor Boromisza: How communities from different socio-economic contexts can be benefited from phenomenological pedagogy using design and landscape architecture approaches to foster a stronger connection with the local landscape
17:15 – 17:45	Discussion and Conclusion

Crossroads in Research and Teaching

Session 5

Monday 11th September

Room aula

Moderators: Alena Salašová, Kristýna Kohoutková

Technical support: Michal Puna, František Nádeniček, Adam Maláček, Jana Kubalová

11:30 – 11:45	ID 110 Ellen Fetzer, Juanjo Galan: Crossroads in research and teaching: Building a landscape economy pathway towards deep regeneration
11:45 – 12:00	ID 38 Dennis Andreasson: Towards SLU Campus Alnarp as a landscape-oriented living lab
12:00 – 12:15	ID 142 Inge Bobbink, Ir Michiel Pouderoijen: Scaling down, introducing an inner-boezem landscape in the polder-boezem system of the Dutch Lowlands
12:15 – 12:30	ID 153 Elio Trusiani, Rosalba D’Onofrio, Roberta Cocci Grifoni, Piera Pellegrino, Giorgio Caprari, Ludovica Simionato, Stefano Mugnoz: Educating Landscape through Landscape. Time, space, future of the new generations
12:30 – 12:45	ID 73 Jeroen de Vries, Richard Stiles, Roxana Triboi, Gintaras Stauskis, Aurora Carpinha, Maria da Conceição Marques Freire, Albert Fekete, István Valánszki, Maté Sarospataki: At the crossroad, the disciples of the disciplines can convert themselves to landscape architecture
12:45 – 13:00	Discussion
13:00 – 14:00	Lunch
14:00 – 14:15	ID 119 Helena Mellqvist: Empty schedules filled with learning
14:15 – 14:30	ID 132 Antonio E. Longo: Land Landscape Heritage. An evolving degree program
14:30 – 14:45	ID 51 Elif Nur Sar: Investigation of climate change and the use of simulation programs in European landscape architecture institutions
14:45 – 15:00	ID 33 Zydi Teqja, Artan Hysa: Life sciences versus Architecture: Where Landscape Architecture can be more properly taught?
15:00 – 15:15	ID 147 Máté Sáropataki, Albert Fekete, Szabolcs Vajda: Old and new field survey methods
15:15 – 15:30	ID 88 Markus Leibenath: Biosphere Reserves as Living Labs for Socio-ecological Transformations: Experiences from Teaching a Graduate Studio for Landscape Architects and Planners at the University of Kassel
15:30 – 15:45	Discussion
15:45 – 16:15	Coffee break
16:15 – 16:30	ID 24 Beata Dreksler, Agnieszka Wendland, Katarzyna Rędzińska: Designing the Future: A Pilot Workshop on Virtual Reality in Landscape Architecture Education
16:30 – 16:45	ID 49 Attila Tóth: Landscape Architecture Practice, Research and Teaching at the Crossroads of the 21st century
16:45 – 17:15	Discussion and conclusion

142 Scaling down, introducing an inner-boezem landscape in the polder-boezem system of the Dutch Lowlands

Our Faculty is situated in the low-lying part of the Netherlands; we research and teach water management and its spatial and social impact.

For decades, the land was successfully drained and reclaimed, resulting in a comfortable life below sea level. However, due to various causes, this way of managing the delta is problematic today: the sea level is rising while land subsidence is ongoing. On the one hand, there is a surplus of rain- and river water, and at the same time, the land and the plants suffer from drought and water pollution; the country is densely occupied, and the world's second-largest agricultural exporter and therefore lacks space for many other programs.

Considering the pressure on the landscape, we need to rethink our delta. That's why we proposed to the province of North Holland to test the installation of inner-boezem landscapes, which can keep water in the polder instead of pumping it to sea and river via the boezem network (discharge system). This scaling-down operation allows for more site-specific water management and can serve as a starting point for integrated landscape development.

Preparing the brief for the design assignment based on the research included civil engineers, technical and ecological experts. Master students of the landscape architecture track worked on testing designs of inner-boezem landscapes in different locations.

The designs showed that the inner boezem landscapes deal well with flexible water levels and create opportunities for new ecological and recreational values, and can initiate innovative, more sustainable agricultural practices.

The research by design results are discussed within the province of Noord Holland. Like in the "Room for the River[1]" project, the inner-boezem landscape, which can be seen as a "Room for the Polder Water" project, simultaneously allows for technical, ecological, and socio-economic improvement.

AUTHORS

Dr Inge Bobbink
Ir Michiel Pouderoijen

TU Delft,
Delft, Netherlands

REFERENCES

[1] <https://www.rijkswaterstaat.nl/en/about-us/gems-of-rijks-waterstaat/room-for-the-river>

FORMAT

oral presentation

147 Old and new field survey methods

Field surveys are essential at all times, whether for planning or research. Field survey methods may be based on traditional techniques that have been used for decades (or even centuries), but new tools and approaches are emerging from time to time to record as accurately and quickly as possible the spatial, built, natural and landscape architecture features of the site. The rapid changes of our times have also given landscape architects access to newer and newer tools, mainly digital. From the vast choice, it can often be a challenge – especially for a young professional – to choose the right one. On the other hand, but also as a consequence of the above, we are increasingly confronted with the phenomenon that, as knowledge increases, the complex assessment of a site requires the combined work of ever larger professional groups and sub-groups. In this case, it is also important for a landscape architect to know what and how to do for each survey (e.g. geodesy, garden archaeology, vegetation inventory, survey of outdoor objects, survey of built elements with historical value, inventory of values, etc.) and which team needs to be provided with which data in order to make the whole site survey as efficient as possible and to produce the most complete final result.

In the present study, we bring together the methods that are used in the landscape architect training at the Hungarian University of Agricultural and Life Sciences, Institute of Landscape Architecture, Urban Planning and Garden Art in regard to garden history and at the scale of open space design.

AUTHORS

Dr Máté Sárospataki
Dr Albert Fekete
Dr Szabolcs Vajda

Hungarian University of Agriculture and Life Science, Institute of Landscape Architecture, Urban Planning and Garden Art, Department of Garden Art and Landscape Design, Budapest, Hungary

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