

ECLAS 2023

10. - 13. September/ BRNO - LEDNICE - CZECH REPUBLIC



LABYRINTH OF THE WORLD

LANDSCAPE CROSSROADS

BOOK OF ABSTRACTS - CONFERENCE GUIDE

ECLAS

EUROPEAN COUNCIL OF
LANDSCAPE ARCHITECTURE
SCHOOLS

● Mendel
● University
● in Brno
●

10. - 13. September 2023/BRNO - LEDNICE - CZECH REPUBLIC

LABYRINTH OF THE WORLD

Landscape Crossroads

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

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About the conference

The ECLAS 2023 conference in Brno, Czech Republic, issues from the topics of the 2022 and 2021 ECLAS conferences. The discussion on the current global changes and their impact on landscape architecture revolves around a multitude of layers, overlapping and intersecting and leading us to many crossroads.

Crossroads of time, space, mind, and humanity

We feel a need to identify the main crossroads together. Those on which we have to make decisions: Which turn to take and which direction to follow in the labyrinth of the world? How to further develop our discipline? How to formulate research topics for the future? How to innovate teaching?

400 years in Comenius' Labyrinth

In 2022 – at a time when we were preparing the conference, we commemorated the 430th anniversary of John Amos Comenius, a philosopher, writer, scientist, teacher and a visionary thinker who had reformed the world of education for the centuries to come. His book Labyrinth of the World and Paradise of the Heart was written exactly 400 years ago. The chaotic world that he had pictured in it appears to be a reality. The changes we are living now seem to be faster, more intense, more dramatic, and very complex. We solve global issues, but are we aware about the struggles at local levels? Which solutions proved to work, and which did not?

Trust in landscape architecture

We feel the words imbalance, insecurity, and threats resonating very strongly within each of us. We have no idea about the turns the global happenings will take and in which direction they will evolve. But what we do know for certain is that landscape architecture is indispensable for the quality and resilience of the space we share. In collaboration with other disciplines, landscape architecture is able to offer original ideas, visionary solutions, and effective innovations. Landscape architecture integrates the aspect of time, the natural phenomena of the place, the inner world of imagination, identities of local communities as well as architecture, technologies and infrastructure. This gives hope for our landscapes. We can meaningfully connect all of the mentioned into one highly functional and sustainable whole. And there is the power of an inner and outer beauty that is accessible to all people without distinction. There are many examples of good practice and approaches – let's share them!

At the crossroad

The conference in Brno is designed around the concept of crossroads within the labyrinth of the world. The title of each crossroad defines its content, which is only briefly indicated using some strong contradictions and keywords. All crossroads are open to your interpretation. The conference proceedings will eventually act as a survey covering some of the most important landscape architecture issues, their core aspects and examples of solutions as a result of a specific research through conference.

Our crossroad questions

What are the critical crossroads of landscape architecture in your country?

What are the directions and possibilities available to you?

Which proved good, and which did not? Where are the no-gos?

Which effective and functional steps can we offer to address the phenomena of a global crisis?

Are we addressing these key topics in our creative work, in teaching, and in research?

1 Crossroads of time

The factor of time

... continuity of landscapes x their planning and design, protection x adaptation (historic gardens, landscapes, monuments, urban zones), sustainable future of degraded land (agricultural, after disasters) x natural landscape, anticipation of global and local changes (climate, landscape, cities, society) and preparation for them (adaptation, resilience, new technologies, methods) – Green Deal, planned x spontaneous planting (succession), spaces before x after COVID-19, co-evolution, temporality x sustainability ...

2 Crossroads of space

The site

... identity x uniformity (Genius of the place), shrinking cities x urban sprawl, private x public space (borders), segregation and safety, (in)visible town and landscape infrastructure, site-specific x global design, the impact of media and economy, gentrification and suburbanization, contemporary specific problems of different types of spaces (streets, squares, parks, riversides, allotment gardens, brownfields, vague terrain, ...) and their solutions (examples).

3 Crossroads in mind

Thinking and feeling.

... personal freedom and individuality in designing and using space x experienced patterns, professional ethics x prevailing values of society, impatience to wait x slowness in processing, emotions x facts in decision making, global aesthetics x local art, religious manifestation in towns and landscapes, influence of art thinking on contemporary landscape architecture, landscape architecture in the real x virtual x imagination world, looking for Paradise of the Heart (acc. J. A. Comenius). Beauty ...

4 People on crossroads

Society on the move.

... traditional public space x new social needs, transport infrastructure in the city and countryside x pedestrian accessibility, local people x tourists, participation process x planner (project team), contemporary pilgrimage x cultural heritage, migration of people x segregated localities, shared and caring (healing) open space x abandoned (barren), between sociology and landscape architecture. Together ...

5 Crossroads in research and teaching

What and how?

What is the relationship between academic research, professional practice and teaching of landscape architecture? How should the landscape architecture school of the 21st century teach its students?

... academic teaching process x needs of professional practice, new teaching methods x traditional methods, transformative learning, contemporary x new necessary learning goals and competences, theoretical research x implementation in legislation and practice, interdisciplinary approach, local research themes, research through designing process, conference as a research project ...

Crossroads in practice

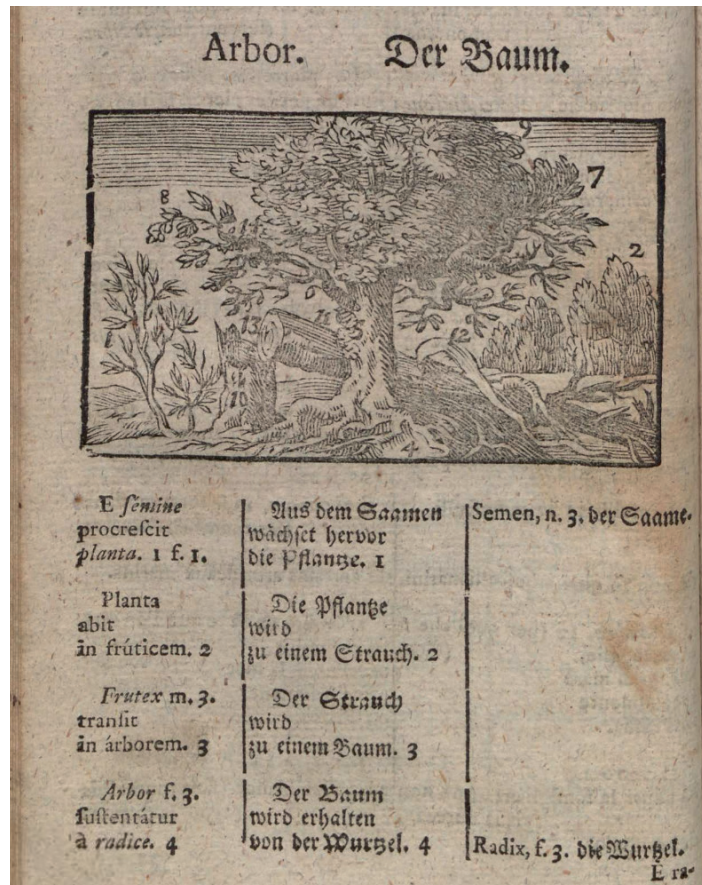
Overlapping. Special sessions without a number, invited in each core session mentioned above.

Examples of good practice, synergetic approaches that will show a new direction across the labyrinth. Original realised or planned solutions and ideas. With a commentary on how they are incorporated into the legislative.

The doctoral colloquium Orbis Pictus is a space for miscellaneous pictures of research topics and opinions of students.

Orbis pictus – Visible World in Pictures (acc. J. A. Comenius: Orbis sensualium pictus, 1658) was the first interactive educational encyclopaedia in the world. The book represented the medieval world known at the time by means of pictures with an explanatory commentary.

The ECLAS Doctoral Colloquium 2023 should become a similarly illustrative space for sharing contemporary research topics. Let's co-create a representative overview of your research topics and compare research methodologies. Which path have you choosed at your methodology crossroad? What have others, dealing with the same/similar topic, chosen?



Johannes Amos Comenius: Orbis pictus (1658) - originally an illustrated Latin textbook, later a dictionary.

The way out of the labyrinth: Comenius as an inspiration for contemporary teaching practice

Dr. Eva Žallmannová

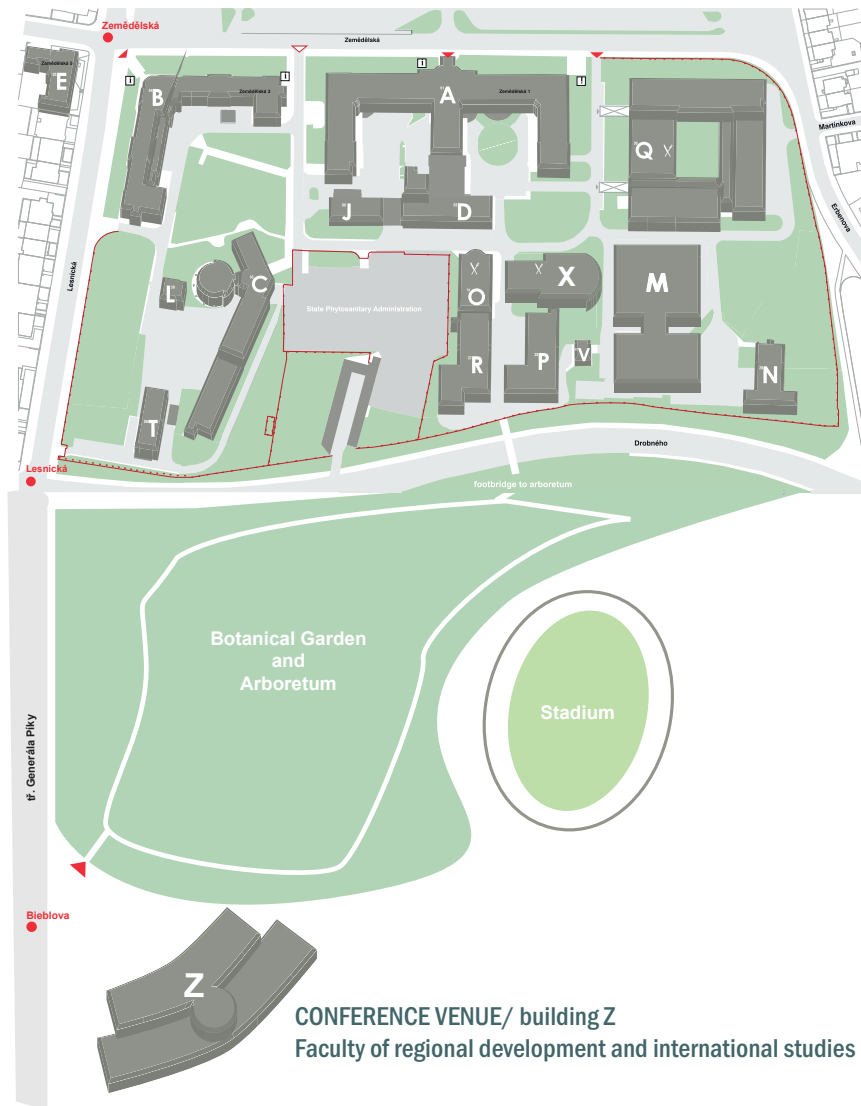
Department of Landscape Planning, Faculty of Horticulture, Mendel University in Brno, Czech Republic

John Amos Comenius was a 17th century philosopher, theologian, and most of all, a teacher. He formulated the ideas on how to teach young children and spark in them the interest in learning. He understood curiosity and the need to learn as the basic human needs – a revolutionary approach in his era. The pedagogical concepts he laid down have become the fundament of teaching practice. The paper aims to present the man behind that incredible achievement the outcomes of which we take for granted nowadays; and not just as a genius of his time, but also as an original out-of-the-box thinker, gifted observer, storyteller and a witty commentator of the everyday life in the 17th century, which, in his texts, does not seem to be very different from the world we are living now.

One of his key texts is the Labyrinth of the World and Paradise of the Heart, a satirical allegory and jewel of Baroque literature. It presents the world as a labyrinth through which the narrator navigates with the help of guides who expose him to different situations. His task is to observe various occupations pursued by people he meets along the way to ultimately choose one to become when coming out of the labyrinth.

The study of landscape architecture is just like Comenius' Labyrinth; our is a multi-faceted one. During the course of the study, landscape architecture student gets an opportunity to try out different jobs and the role of the teacher is very much like that of the guides through Comenius' labyrinth: our students are faced with a similarly difficult task. Not just being packed with timeless truths and advice that can still come useful although being 400 years old, the text is unbelievably funny and would serve as a light-hearted opener for the conference.

Mendel University in Brno – ECLAS 2023 Conference Venue



CONFERENCE VENUE/ building Z
Faculty of regional development and international studies

i informační panel areálu MENDELU
information board, MENDELU

— vjezd do areálu
drive way to the campus

▲ vstup do areálu
entrance to the campus

X občerstvení
buffet

● zastávka MHD
tram stop

Landscape Architecture study program at MENDELU Faculty of Horticulture has the oldest tradition among the other Landscape Architecture study programs of other universities in the Czech Republic. Whilst the tradition of horticultural teaching in Lednice dates back to the 19th century, the study program similar to what Landscape Architecture is today, was established in 1947 at precursor of MENDELU - University of Agriculture in Brno.

MENDELU Faculty of Horticulture offers Landscape Architecture study program in bachelor's degree (standard length of study 4 years, academic degree Bc. – bachelor), follow-up master's degree (standard length of study 2 years, academic degree Ing. arch. – engineer architect – equal to master of science), and doctoral (standard length of study 4 years, academic degree Ph.D.).

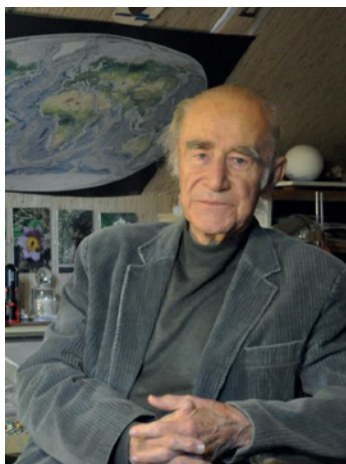
The first two years of the bachelor's course take place in Brno. There the students practically encounter the discipline and obtain theoretical knowledge of all the sciences required for later intensive creative work in the higher grades. From the third year of the bachelor's course, the study takes place at the faculty campus in Lednice. Lectures are combined with frequent excursions in the Czech Republic and abroad, practical fieldwork and surveys at model locations, self-study of the plant collections within the school grounds and the Lednice chateau park, and a professional experience, both within the campus and in landscape architecture studios.

The graduates work mainly as planners and designers in landscape architecture and architecture studios; after 3 years of practice and passing of an authorization exam with the Czech Chamber of Architects, they can start working as independent and authorized landscape architects. They can also work in public administration authorities, nature protection or heritage conservation authorities.

IVAR OTRUBA

Mendel University in Brno, Czech Republic

The award is dedicated to the late Professor Ivar Otruba, an influential figure in landscape architecture in Czechia and Europe. His extensive body of project work, including contributions to European landscape architecture, showcases his remarkable impact on the field. Professor Otruba played a pivotal role in establishing landscape architecture as a recognized profession in the Czech Republic through his dedication to teaching, scholarship, and service. Despite facing turbulent times in his career, he persevered for nearly 50 years, leaving a lasting mark on Czech landscape architecture in education, research, publishing, and professional practice. The nomination received widespread support from influential figures in the Czech landscape architecture community, with endorsements from various institutions. Notably, the timing of the award coincides with the ECLAS conference to be held in Brno, adding significance to the recognition of Professor Ivar Otruba's invaluable contributions.

**Outstanding Lifetime Achievement Award****JÓNA GUÐRÚN**

Agricultural University of Iceland, Iceland

Jóna is a deserving award candidate with notable leadership in student organizations, community service projects, and initiatives, acknowledged by awards from the Planning Association of Iceland and the Association of Icelandic Landscape Architects. Her work as an Accessibility Representative in Borgarbyggð reflects her commitment to public access and sustainability, demonstrated through projects like the Port of Grunðarfjörður landing quayside and Skorrðalsvatn floating dock walkway. Her Bachelor thesis on solar shading and urban planning in Reykjavík, Copenhagen, New York, and Toronto further exemplifies her research and environmental understanding. Jóna's creative portfolio, encompassing diverse skills, draws acclaim, with multiple prize-winning projects enhancing her candidacy for the outstanding bachelor student award.

Outstanding Bachelor Student Award**ELOISE MERCER**

Edinburgh College of Art, United Kingdom

Eloise Mercer is an exceptional candidate for the award, evident from her outstanding portfolio, particularly her exploration of the Vatnajökull Glacier as a post-glacial landscape with botanical gardens. Her work delves into future ecologies and adaptable landscape inhabitation, showcasing creativity and imaginative graphics. Additionally, Eloise's biographical sketch reflects her philosophical design approach and experience as a market gardener and farm assistant with a focus on regenerative practices. Her upcoming publication on the myth of the mountain as a 'wilderness' landscape further exemplifies her potential to inspire other students to publish their works. Combining knowledge from her landscape architecture and previous education, Eloise displays sensitivity to environmental issues and tackles complex challenges with a long-term perspective. Her artistic background enhances her creativity, making her a remarkable candidate for the outstanding master student award.

Outstanding Master Student Award**Labyrinths and hybrids: design for a different planet****Labyrinths and hybrids**

Looking at the long past, when climates have changed before, may help us learn lessons of restraint in resource consumption and for adaptation. Both the maze and the labyrinth have acted as physical manifestations of choice, acceptance and entanglement in human cultural history – mazes using a path or network of paths, labyrinths as a complicated and interconnected set of spaces (according to Herodotus in 500 BCE, who first wrote down the term “labyrinth” about an Egyptian building with a sprawling complex of interconnected rooms). The blurring of lines between the two, maze and labyrinth, reflects a strange rush to the treatment of both as paths - instead of interconnected spaces that could be occupied, for ceremonies of bull leaping and celebration in the case of the Cretan labyrinth at least. How did the Cretan maze become populated by a murderous, ravenous creature, a hybrid with a bull's head and a man's body?

Hybrid creatures have been represented for 30,000 years in human culture, often as representations of a question – “what will happen next?” The lion man, lamashu (lion woman), lion-like kings (from Ashurbanipal to today's Dutch football fans), Mesopotamian lamasu (bulls with heads of men or women), the riddling of the sphinx (with a man's or woman's head and lion's body, often with wings), the Minotaur, Frankenstein's monster, angels, and us – since we now are acutely aware of ourselves and the viral, fungal and bacterial lives that live inside of us and travel in and out of our bodies in a maze-like biological and physical environment.

The Mesopotamian god Enki (and water goddess Inanna) and his celebration of life originating underground, in groundwater are appealing to me, as a geologist. The belief that our lives begin underground in the water that fills tiny pore spaces in soil and rocks says so much.

**KRISTINA HILL**

Institute for Urban and Regional Development, UC Berkeley, USA

Kristina Hill studies the climate drivers as well as design strategies for urban adaptation to coastal flooding and climate change. She uses groundwater mapping and adaptation pathways to develop urban design alternatives for the wide range of situations where seawalls and levees won't work to prevent flooding, because groundwater will rise as sea level rises. Her focus is on protecting low-income and minority communities that are vulnerable to health impacts from legacy contamination being mobilized in groundwater, long before rising groundwater causes surface flooding. Kristina has contributed to adaptation plans for a diverse group of US cities, several US agencies, and the Rockefeller Foundation. She edited the 100th anniversary issue of the journal of the Ecological Society of America in 2015 on the topic of climate change and infrastructure, has published in a wide range of journals and anthologies, and been featured in a documentary about urban flooding (the “Sinking Cities” PBS documentary and the “Hidden Brain” podcast on NPR). Most recently, her work is being used by the UNEP Finance Initiative to guide investments in cities and has changed statewide policy for managing contaminated sites in California. Her PhD is from Harvard University, and she is Director of the Institute for Urban and Regional Development at UC Berkeley, which includes graduate programs in urban design and real estate development. Kristina teaches both design and planning courses, and her current book project is about adaptation to rising seas in cities.

Labyrinths and hybrids

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The Mesopotamian god Enki (and water goddess Inanna) and his celebration of life originating underground, in groundwater are appealing to me, as a geologist. The belief that our lives begin underground in the water that fills tiny pore spaces in soil and rocks says so much about the landscape of these first human beings to experience rapid sea level rise in cities. Living with rising groundwater, rivers escaping their levees to flood some towns and isolate others. Gilgamesh choosing to be buried under the river itself. Living with a pandemonium of hybrid, entangled forms life as the landscape outside the river valleys dried and became desert and lions looked for food in the urban valleys. Living with infectious diseases that spread quickly in these first cities. Living with floods (courtesy of the Bull of Heaven). Living thousands of years in a radically changing landscape, somehow keeping most cities going through the changes. Living with images of strong women and strong men – up to the early European Cretan age, that the ancient Greek misogynists characterized as Minoan, after a male king, when archaeologists think both women and men were honored as leaders.

Centuries of Greek chthonic gods and goddesses with tragic stories, like Sisyphus or Medusa, followed - instead of the celebration of chthonic life that Enki represented in Mesopotamia. And yet these civilizations represent a model of sustainability, when seen from the vantage point of the present and the fragility of our political, health and economic systems that have lasted a few hundred years, not more.

Design for a different planet

On our new planet, the dimension of geographic distance has collapsed (covid). And the dimension of future time has collapsed (scenarios linking the present to the future, in pairs – based on what happens today, we will live in a different future). Our world today (it’s governance and economic systems, not our individual choices at the supermarket) will shape radically different futures for thousands of years. Seas will probably be 1.2-1.8 feet higher by 2050 – in only 30 years. We have expected to build dikes to protect ourselves, but as the Dutch know, the groundwater will also rise and transform our coastal cities from the bottom up. Ghosts from the past will literally flow among us, as buried contamination in soil rises into underground pipes and eventually to the surface. Pumping many urban “fill” soils will lead to sinking, putting us lower in relation to the sea. Foundations designed for fresh groundwater will be corroded by saltwater, long before the people notice who live in those buildings. The strategy of staying in place with conventional designs is certain to fail.

The opposite strategy is also difficult. Moving cities back means pulling up our old pipes, tunnels and polluted soils, or poisoning the nearshore environment of oceans, where many types of fish and shellfish are born or grow to adulthood. A toxic soup of rusted pipes, concrete basements and distorted hydrology. An era of tragic losses, coming faster and faster. (We have an opportunity here to learn from the Native Hawai’ian history of having a seaside place of compassionate refuge from punishment, and their sense that it’s not the loss of the land that matters – because future people and places can be consecrated as zones of compassion. For them (and us?) it’s not about tragic losses, it’s about cultural systems of consecration that bring new people and places into memory, into service. With all that we’re learning as a result of reconsidering colonialization, maybe part of the European diaspora in North American will come back to Europe – would you want that?

Drawing on measures - digital literacy for aesthetic and scientific integration in landscape design

We live in the urban century. In the last 100 years, territories have undergone a massive mutation to accommodate human activities. Beyond the built environment of city and infrastructure, this transformation is foremost materialized as a juxtaposition of topographic shapes that have significantly altered the soil and the water cycle. With human action on the landscape surpassing all historical precedent, there is an urgent need to train the critical thinking of designers. To develop resilient environments for urbanized territories, a proficiency for topographic design should be integrated with both environmental science and society. Such proficiency can be built through a digital literacy in landscape design. However, current digital methods are based on principles introduced in the 1960s and often fail to grasp the spatial complexity of the environment. The result is simplistic and fragmented planning that results in places lacking in identity, aesthetic and ecological quality for urban life. In contrast, it would be possible to design solutions that better respond to both site-specific qualities and a holistic context by drawing on the formal and dynamic essence of the environment. Such a topological approach uses laser scanning technology to produce a three-dimensional model. The virtual model of the site is then used as a scaling tool between reality and imagination, and broadens the design vocabulary by coupling physical and dynamic aspects. This innovative approach helps to broaden the scientific repertoire of the design practice, which is faced with rapidly growing challenges such as flooding and urban heat islands.

The use of digital tools and methods, such as surveying, virtualization and modeling, can strengthen the capability to handle space for means to design: an „art of the place“ capable of dealing with the physical, symbolic and functional state of the environment. The pivots of this digital education are intuitive and set out digital approaches and methods. Firstly, polymathic

KEYNOTE SPEAKERS



PHILIPP RW URECH

Dr. Sc., ETH Zurich, Swiss Federal Institute of Technology in Zürich / Future Cities Laboratory Global, Switzerland

Dr. Philipp URECH is head of the Large-scale Virtualization and Modeling Lab (LVML) at the ETH Zurich and founder of the design practice TOPOSTUDIO GmbH. He currently teaches at the department of Architecture and conducts research on Resilient Blue-Green Infrastructures at the Chair of Prof. Adrienne Grêt-Regamey. He received his doctorate from ETH Zurich based on his research on novel digital design methods at the Future Cities Laboratory Global in Singapore. He has taught at the Technion in Haifa, SUTD in Singapore, and UCLouvain in Brussels.

KEYNOTE SPEAKERS

skills need to be strengthened in order to further integrate the study of landscape, urban planning, ecology and sociology, and to substantiate the science in the art of the project. Digital simulation of dynamic events, e.g., in hydrology, can be understood as an algorithm that delegates engineering skills. The algorithm contains equations that have been validated beforehand by an acted comparison between the physical and virtual worlds. This enables architects to choose the algorithms best suited to the case in question, and to implement its scientific basis, without having to possess a pro-found theoretical knowledge of the subject. Then, critical thinking requires a cross-scalar approach in terms of space and orders of magnitude, in order to relate the detail to the global. Artificial intelligence will play a key role in this relationship of scales, whose interlocking rules escape us. The inter-scalar rules that apply to a place or an event are fluid, as they are fed by varied, potentially ambivalent and contradictory information. Exploiting this data will enable us to better respond to the singularities of a place. Finally, digital models should strengthen creativity and aesthetics to help maintain the meaning and identity of the place. Designing in the Anthropocene means responding to places that are strongly influenced by human action, and that have inherited their form from an accumulation of activities over time. Every environment, however banal and transitory, is imbued with antecedent creation, whose logic a project can integrate with appropriate digital tools.

Horses, people, landscape. More than just a sentimental relationship for the 21st century.

Humanity is losing the living essence of relationships between people, farm animals and landscape. Until recently a natural, true and full relationship, it has become a rare and disappearing value. Using the examples of generously architecturally composed landscape concepts of state or aristocratic stud farms I will present the disappearing relationships between horses, people, and the landscape. I will demonstrate a loss of planetary significance taking place without us being aware of it.

The positive role of a landscape architect and landscape architecture is paramount. Our profession can understand this, argue, and propose change. The lecture will issue from my original comparative study that served as a basis for the argumentation and advocacy supporting the inclusion of a specific place on the UNESCO list of natural and cultural heritage.



TOMÁŠ JIRÁNEK

Ing. et Ing., practicing Landscape Architect; senior assistant at the Department of Landscape Architecture, Faculty of Horticulture, Mendel University in Brno, Czech Republic

Tomáš Jiránek has graduated at MENDELU Brno as forest engineer (1993) and landscape architect (1998). Practicing licensed landscape architect, member of the Czech Chamber of Architects. Until 2002, designer and founder of the Landscape Administration at the National Stud in Kladruhy nad Labem. Since 2000, founder and owner of New Visit architectural and landscape studio in Hradec Králové. Member of the Scientific Board of the Minister of Culture for the Cultural and Historical Heritage of the Czech Republic. Author of Comparative study of stud farm landscapes around the world and a member of "Documentation for the nomination of the landscape for breeding and training of ceremonial carriage horses at Kladruhy nad Labem in UNESCO" team entered on the UNESCO list in 2019. Holder of several national awards in architecture and construction design: The European Garden Award 2022 – Design of a contemporary architecture – competition organized by The European Garden Heritage Network – EGHN. Teacher and member of Landscape Architecture Department at Mendel University in Brno, Faculty of Horticulture.

Personal motto: City – People – Landscape: A wounded relationship that requires responsible and holistic approach from architects.

KEYNOTE SPEAKERS

ECLAS 2023 CONFERENCE SCHEDULE: OVERVIEW

The programme schedule may be changed. Updated 2023-09-08.

Sunday 10th September DAY 1

VENUE: Faculty of regional development and international studies MENDELU
address: tř. Gen. Píky 7

12:30 – 16:45
14:00 – 17:00
16:00 – 19:00
17:00 – 19:00

Ph.D. colloquium (Faculty of regional development and international studies, Z6)
Le:Notre Institute meeting (Z5)
ExCo meeting (Faculty of regional development and international studies, Z9)
Schola ludus for LA (Botanical garden and arboretum, MENDELU): Intro session (Florent Golfier and Lukáš Karásek, tYhle art performance group)

Monday 11th September DAY 2

VENUE: Faculty of regional development and international studies MENDELU
address: tř. Gen. Píky 7

Conference plenary and sessions

8:30 – 9:15

Registration & coffee, press meeting

9:15 – 9:45

Welcome speeches: Jan Mareš (rector of MENDELU), Patrik Burg (dean of the Faculty of Horticulture MENDELU), Markéta Vaňková (city mayor of Brno), Klára Salzmann (Czech Chamber of Architects), Ellen Fetzter (president of ECLAS), Bruno Marques (president IFLA)

9:45 – 10:00

Introduction to the conference: Eva Žallmannová (MENDELU): The way out of the labyrinth: Comenius as an inspiration for contemporary teaching practice

10:00 – 10:30

Keynote 1: Kristina Hill (Berkeley College of Environmental Design, USA), Labyrinth and Hybrids: design for a different planet

10:30 – 11:00

Keynote 2: Tomáš Jiránek (Dept. of Landscape Architecture, MENDELU): Horses, People, Landscape

Session Rooms: Z7, Z9, Z11, Z14, Z15, Aula + stream
Session moderators

11:00 – 11:30

Coffee break

11:30 – 13:00

Crossroads: 1 (Z14), 2 (Z9), 3 (Z7), 4 (Z11), 5 (aula)

13:00 – 14:00

Lunch

14:00 – 15:45

Crossroads: 1 (Z14), 2 (Z9), 3 (Z7), 4 (Z11), 5 (aula), **Head of schools' meeting** (Z15)

15:45 – 16:15

Coffee break

16:15 – 18:00

Crossroads: 1 (Z14), 2 (Z9), 3 (Z7), 4 (Z11), 5 (aula), **workshop:** Open AI, complex problems, creativity and empathy for the future teaching of Landscape Architecture planning and design studios (Anna Wilczyńska, Simon Bell, Joanna Tamar Storie, Mana Taheri Talesh) (Z6)

VENUE: Old Brno Townhall
address: Radnická 8

19:00 – 22:00

Welcome drink at Brno municipality

ECLAS 2023 CONFERENCE SCHEDULE: OVERVIEW

The programme schedule may be changed. Updated 2023-09-08.

Tuesday 12th September DAY 3

VENUE: Faculty of regional development and international studies MENDELU

address: tř. Gen. Píky 7

Conference plenary and sessions

8:00 – 8:30 **Registration & coffee**

8:30 – 8:50 **Introduction to Czech LA:** Barbara Ševčíková: Czech Landscape Architecture on Crossroad
 8:50 – 9:20 **Keynote 3:** Philipp RW Urech (Swiss Federal Institute of Technology in Zürich, Switzerland), Drawing on Measures: Digital literacy for aesthetic and scientific integration in landscape design
 9:20 – 9:35 **Introduction to ECLAS 2024:** Ursula Wieser

Parallel programme

9:45 – 11:45 **Poster session** on site (including coffee break)
Workshop (including coffee break): On letters as bridges between academy and practice - a transdisciplinary exploration of landscape architecture practice (Carola Wingren et al.) (Z6)
Workshop: Co-creativity on crossroads (Susann Ahn – Sonja Hörster – Henrik Schultz)
 Botanical garden and arboretum (rainy option in room Z5)

Session Rooms: Z7, Z8, Z9, Z11, Z14, Z15, Aula + stream

Session moderators

9:45 – 11:00 **Crossroads:** 1 (Z14), 5 (aula), 5 (online, Z9), crossroads in practice (Z7)
 11:00 – 11:30 **Coffee break**
 11:30 – 13:00 **Crossroads:** 1 (Z14), 5 (aula)
Workshop: Co-designing the Open Landscape Academy (E. Fetzter – S. Hörster – C. de Vries) (Z11)
JOLA session (Z15)
NELA workshop (Sophie von Schwerin et al.) (Z8)
 11:30 – 13:30 **Schola ludus for LA** (Botanical garden and Arboretum): Session II: Play with space (Florent Golfier and Lukáš Karásek, tYhle art performance group)
 13:00 – 14:00 **Lunch**

Plenary: Aula + stream

Moderator: Eva Žalímannová

14:00 – 14:30 Richard Stiles, Elke Mertens, Nilgöl Karadeniz: Invisible infrastructure' – or why some professions are more equal than others
 14:30 – 15:30 **Plenary round table:** Landscape crossroads – Kristina Hill, Philipp RW Urech, Tomáš Jiránek, Beata Dreksler, Klára Salzmann
 15:30 – 16:00 **Coffee break**

Parallel programme

16:00 – 17:30 **ECLAS General Assembly** (aula, moderator: Ellen Fetzter): Conclusion of the conference
 16:15 – 16:30 **Schola ludus for LA** (Botanical garden and Arboretum): **Final public performance.** You are warmly invited! (Florent Golfier, Lukáš Karásek from tYhle art performance group and participating students)

Departure to the gala dinner

18:00 **Departure to the gala dinner** by coach, BUS from tř. Gen. Píky 7

VENUE: Lednice Chateau and Campus of the Faculty of Horticulture in Lednice

19:00 – 22:00 **Conference gala dinner & ECLAS Awards**

ECLAS 2023 CONFERENCE SCHEDULE: OVERVIEW

The programme schedule may be changed. Updated 2023-09-08.

Wednesday 13th September DAY 4

Excursions

meeting point for coach ´ departure: main building of Mendel University
 address: Zemědělská 1

8:45 – 14:00 **Brno I** – From Villa Tugendhat via famous architecture, private gardens, urban parks and squares (Villa Tugendhat, garden of Löw-Beer villa, parks Lužánky and Tyršův sad, Moravian square). Walking, stop for brunch.

9:00 – 15:00 **Brno II** – Contemporary design of an urban park, adjacent faculty campus (conversion of a historical convent) and nearby park square, at the end Villa Tugendhat (campus of the Brno University of Technology, Božetěch ´s Park, Slavonic square, brunch at nearby coffee, from 14:00 Villa Tugendhat). Coach and walking.

8:00 – 14:00 **Brno III** – From Villa Tugendhat through Brno ´s park hills - amazing views, in context with history, to the beautiful educational town garden (Villa Tugendhat, city centre open spaces, Denis ´s park and Špilberk castle park hill, municipal Open garden). Tram and walking, stop for brunch.

9:00 – 14:00 **Brno IV** – A tour of different scales: from intimate Botanical Garden and Arboretum of the Mendel University to large open spaces of housing estate Lesná from 60th and 70th embelished by original works of art. Coach and short walk, stop for brunch.

8:00 – 17:00 **Lednice-Valtice cultural landscape & Faculty of Horticulture MENDELU.** Coach.

Sunday 10th September

Doctoral Colloquium

Room Z6

Moderator: Barbora Dohnalová

12:30 – 13:00	Registration of participants
13:00 – 13:10	Welcome speech (Ellen Fetzer)
13:10 – 13:30	Mentor´s introductory (Barbora Dohnalová, Alena Salašová)
13:30 – 13:40	Christoph Fleckenstein: Trees in planters: Designing with growth dynamics
13:40 – 13:50	Molly Fiero: Othering time: Engaging with non-human animal temporalities in the theory and practice of landscape architecture
13:50 – 14:00	Antonia Koukouvelou: Mediterranean seafront brownfields
14:00 – 14:10	Tayana Passos Rosa: Researching by design
14:10 – 14:20	Barnabás Tóth: Research woody plants in the context of climate change
14:20 – 14:40	Discussion
14:40 – 14:50	Coffee break
14:50 – 15:00	Chanda Hess: Controlled loss of control
15:00 – 15:10	Lynn Hennies: Potential of a negative
15:10 – 15:20	Sara Anna Sapone: Precision wildland: Designing third Landscape within the smart city
15:20 – 15:30	Ieva Kraukle: Urban forest development
15:30 – 15:50	Discussion, conclusion
15:50 – 16:00	Coffee break

Crossroads of Time

Session 1

Room Z14

Moderators: Markéta Šantrůčková, Jozef Sedláček

Technical support: Dan Šamánek

11:30 – 11:45	ID 159 Eszter Bakay, Krisztina Szabó, Judit Doma-Tarcsányi, Barnabás Tóth: The future of our modern landscape architectural heritage in urban context - restoration, renovation or revitalization?
11:45 – 12:00	ID 129 Laura Cipriani: The past, present, and future of the Wadden Sea, its islands, and hinterland
12:00 – 12:15	ID 131 Laura Cipriani: The Geology of Landscapes: Times, rhythms, palimpsests of the Rhenish crater
12:15 – 12:30	ID 39 Kirsten Tatum: Multiple interpretations of rural stewardship: a case study of low-impact development discourse in Dartmoor National Park, UK
12:30 – 12:45	ID 58 Naomi Shimpō: A place for pensioners: Case studies on the governance of the community gardens in the society further aged by the COVID-19 pandemic
12:45 – 13:00	Discussion
13:00 – 14:00	Lunch
14:00 – 14:15	ID 107 Katrin Hagen, Mara Haas, Gisa Ruland: Lusatia – landscape in flux
14:15 – 14:30	ID 150 Markus Leibenath: Future Perspectives of Statutory Landscape Planning at the Local Level in Germany - The Case of Bavaria
14:30 – 14:45	ID 55 Joanna Storie, Anna Wilczynska: Back to the future? Do meadows still have a role in the modern countryside?
14:45 – 15:00	ID 66 Pınar Zeğerek Altunbey, Elif Parlak, Veli Ortaçesme, Meryem Atik: Antalya, a Mediterranean Urban Green Infrastructure at the Crossroads of Time

15:00 – 15:15	ID 98 Nadja Penko Seidl, Tadeja Ažman, Tadej Bevk, Barbara Kostanjšek, Tomaž Pipan, Mojca Golobič: Landscape typology and character assessment - reassessing Slovenian landscapes after 25 years
15:15 – 15:30	ID 99 Merve Yılmaz, Duygu Doğan: Evaluation of landscape change in rural areas using visual indicators: Ankara-Nallıhan Case
15:30 – 15:45	Discussion
15:45 – 16:15	Coffee break
16:15 – 16:30 online	ID 63 Catarina Teixeira, Cláudia Fernandes, Robert Ryan, Jack Ahern: Integrating Novel Urban Ecosystems in the Urban Green Infrastructure: Understanding the Attitudes and Preferences of Landscape Architecture Professionals
16:30 – 16:45 online	ID 46 Lin Jin: The Application of Hermeneutics Principles to Landscape Architecture within a Post-Holocaust Site
16:45 – 17:00 online	ID 97 Elif Serdar Yakut, Meltem Erdem Kaya: The Thresholds of the Form in Landscape
17:00 – 17:15 online	ID 34 Jessica Rossi-Mastracci: CATALOG / DISSECT / TRANSFORM: Land-based Infrastructures (LBI) for Climate Change Adaptation
17:15 – 17:45	Discussion

Tuesday 12th September

Room Z14

Moderator: Jozef Sedláček

Technical support: Dan Šamánek

9:45 – 10:00 online	ID 12 Liu Shuhu, Liang Zhichu, Yongqi Peng: Analysis of traditional village landscape wisdom and its humanistic connotation in the perspective of “Three Realms”: Case Study in Dangcheng village in northern Fujian Province
10:00 – 10:15 online	ID 45 Heloísa Antunes, Isabel Martinho da Silva, Maria Rudka, Ruben Pinto, Margarida Baptista, Marlene Rebelo: Planning for food resilience in Great Porto: an assessment of the current situation
10:15 – 10:30	ID 117 Antonia Koukouvelou: Landscape-based transformations for Mediterranean seafront post-industrial landscapes
10:30 – 10:45	ID 128 Sara Anna Sappone: PRECISION WILDLAND. A focus linking past, present and future of Railway Marginalia Transformations
10:45 – 11:15	Discussion and Conclusion

Crossroads of Space

Session 2

Monday 11th September

Room Z9

Moderators: Adéla Chmelová, Barbora Dohnalová

Technical support: Vojtěch Urban

11:30 – 11:45	ID 27 Wolfram Höfer: Cross-Cultural Approaches on Cultural Landscapes
11:45 – 12:00	ID 109 Maria Frölich-Kulik, Sigrun Langner, Yulin Zhang: Revealing the (Forgotten) Yongning Landscape – Decoating Water-Settlement Relations within Urban-Rural Transformation Processes
12:00 – 12:15	ID 53 Barbara Kostanjšek, Mojca Golobič: Landscape elements and their cultural values in Slovenian cultural landscape types
12:15 – 12:30	ID 29 Andrea Oldani: At a crossroad: hydraulic infrastructure maintenance, landscape and plural possibilities
12:30 – 12:45	ID 136 Endre Vanyolos: Landscape at crossroads: out of the (Transylvanian) woods
12:45 – 13:00	Discussion
13:00 – 14:00	Lunch
14:00 – 14:15 online	ID 74 Ekin Şeker Kaya, Meltem Erdem Kaya: A Sustainable Urbanism From Strategy To Culture: Examining The Role Of Smart City Strategies To Support Ecological Sustainability Culture in the City
14:15 – 14:30 online	ID 14 Wang Yilei, Gao Chi: Promoting New Approaches to Urban-Rural Integration in China: A Case Study of Wuhan's Green Space Network Planning
14:30 – 14:45	ID 108 Gabriel Silva Dantas, Ildikó Réka Báthoryné Nagy, Bárbara Mylena Delgado da Silva: Urban Green Morphology and the Regeneration of Urban Fabrics: Case Study of Frenčváros
14:45 – 15:00	ID 65 Ayşe Durak, Elif Parlak, Meryem Atik: Linking Nature to Green Infrastructure in the Mediterranean Urban Landscape
15:00 – 15:15	ID 196 Yuxian Chen, Daixin Dai: From quantity to quality: Deciphering the disparity between supply and demand of urban green open spaces using a multi-dimensional performance evaluation framework in China
15:15 – 15:30	ID 67 Mayte Cuesta, Ildikó Réka Báthoryné Nagy: Urban rivers and landscape: cultural, social and geographical disconnections in the Andes, Quito. Guidelines to promote connectivity and community with the natural, the built environment, and the rivers in the deteriorated landscape
15:30 – 15:45	Discussion
15:45 – 16:15	Coffee break
16:15 – 16:30	ID 185 Thomas Cabai: Urban biodiversity remediation sites as educational infrastructure
16:30 – 16:45	ID 187 Sarem Sunderland: From mitigation to cultivation: The landscape of reservoir margins as design question
16:45 – 17:15	Discussion and conclusion

Crossroads in Mind

Session 3

Monday 11th September

Room Z7

Moderators: Barbara Ševčíková, Frederico Meireles

Technical support: Zuzana Fialová

11:30 – 11:50	ID 40 Mira Engler: Landscape Design in Color: Past and Present
11:50 – 12:10	ID 4 Mark Treib: Landscapes as Sanctuary: Calm Amid Chaos
12:10 – 12:30	ID 47 Anna Eplényi, Seloua Benkaid Kasbah, Nawarah Al Basha: MAP-ART for Landscape Architecture: The intersection of cartographic representations, contemporary art and artistic data-visualization
12:30 – 12:50	ID 179 Jung-Hwa Kim: Moss toward the Planetary Garden
12:50 – 13:00	Discussion
13:00 – 14:00	Lunch
14:00 – 14:15	ID 165 Gaye Taşkan, Sıla Balta, Sevgi Görmüş, Serhat Cengiz, Bülent Yılmaz: Interpretation of the relationship of sacred with the place in Anatolian Landscapes
14:15 – 14:30	ID 86 Guanyu (Hanley) Chen, Jacky Bowring, Shannon Davis, David Dyason: How are our landscapes valued by their users? Identifying the value of public open spaces using real estate market turnovers
14:30 – 14:45	ID 180 Ivan Tolić: LEARNING FROM DIGITAL LANDSCAPES. Approaches to videogames discourse: a landscape architecture perspective
14:45 – 15:00 online	ID 198 Jessica Rae: Shifting Boundaries, Surging Tides: Landscape found in fixed material and imagination
15:00 – 15:15 online	ID 54 Swati Sahasrabudhe: Denial to designing: Redefining landscape architecture beyond the done and the determined
15:15 – 15:45	Discussion
15:45 – 16:15	Coffee break
16:15 – 16:30	ID 96 Richard Stiles, Elke Mertens, Nilgöl Karadeniz: Colliding worlds? Landscape values versus natural capital
16:30 – 16:45	ID 31 Daniela Lehner, Roland Tusch, Iris Andraschek, Hubert Lobnig: Wachau's traffic routes in the focus of landscape architecture and art
16:45 – 17:00	Discussion and conclusion

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 Myszk, 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 Cieszevska, Renata Giedych, Joanna Adamczyk-Jabłońska, Piotr Wałdykowski, Krzysztof Klimaszewski, Magdalena Kuchcik, Dorota Pusłowska-Tyszevska, 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 Nádeníček, Adam Malásek, 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

Crossroads in Research and Teaching

Tuesday 12th September

Session 5

Room aula

Moderator: Alena Salašová

Technical support: František Nádeníček, Adam Maláček, Jana Kubalová

9:45 – 10:00	ID 116 Jorg Sieweke: Invisible Landscapes: Microbial ecology and ecosystem services
10:00 – 10:15	ID 78 Anders Larsson, Alexander Marek, Daniel Urey: Crossroads of regenerative energy landscapes
10:15 – 10:30	ID 120 Jitka Svensson, Anna Bengtsson: Intersection of trajectories – professional practise and education
10:30 – 10:45	ID 199 Nevena Vasiljevic, Sandra Mitrovic: “GEODESIGNING” RESILIENT CITIES: Belgrade case study
10:45 – 11:00	ID 151 Alena Salašová, Eva Žallmannová, Radim Klepárník: Change as opportunity: new opportunities in restoration of landscapes after an ecological disaster
11:00 – 11:30	Coffee break
11:30 – 11:45	ID 115 Susanne Trumpf: Using the TAL-L Materials Database for Teaching Soil-based Experimentation in the Landscape Architecture Curriculum
11:45 – 12:00	ID 161 Judit Doma-Tarcsányi, Krisztina Szabó, Kinga M. Szilágyi, Barnabás Tóth: Grey vs. green in the urban labyrinth
12:00 – 12:30	Discussion and conclusion

Room Z9

Moderator: Kristýna Kohoutková

Technical support: Pavel Vaida

9:45 – 10:00	online	ID 156 Marina López Sánchez, Isabel Rodríguez de la Rosa, Diego Toribio Álvarez: Mapping historical depth: a landscape architecture tool applied to metropolitan roads
10:00 – 10:15	online	ID 197 Sareh Moosavi, Daniela Perrotti: Competencies for climate change mitigation in Landscape Architecture: An analysis of the EU Common Training Framework
10:15 – 10:30	online	ID 2 Laura Musacchio: University Campus Design in the Covid Era: Potential Approaches, Opportunities, and Challenges to Integrate Biophilic Design and Rewilding into Campus Landscapes and Buildings
10:30 – 10:45	online	ID 10 Xiwei Shen, Mingze Chen: Examine an Intelligence Education Framework of Landscape Architecture (EFLA) Based on Network Model of Technology in Landscape Architecture (NMTLA) in 21st Century
10:45 – 11:00	online	ID 141 Chiara Geroldi: Reading the territory through maps, timelines, sections, and flow representations
11:00 – 11:30		Discussion and conclusion

Crossroads in Practice

Tuesday 12th September

Overlapping session

Room Z7

Moderator: Jiří Martinek

Technical support: Radim Klepárník

9:45 – 10:00	ID 152 Marialessandra Secchi: The landscape-city. Metropolitan landscape and urban regeneration in the coastal city of Bari
10:00 – 10:15	ID 200 Luka Bajić, Dragana Čavlović, Nevena Vasiljevic: Green infrastructure - the question of efficiency in the renewal of urban form, case study of Serbia
10:15 – 10:30	ID 101 Beichen Yu, Simon Bell: New Urbanisms of Colour: Reading Colour in the Contemporary Urban Landscapes
10:30 – 10:45	ID 184 Sara Terroso, Ângela Silva, Frederico Meireles Rodrigues: Designing the Linear River Park of Guimarães - A landscape design methodology applied to large scale linear projects
10:45 – 11:00	ID 181 Catarina Silva, Frederico Meireles Rodrigues: Are children walking to school? Urban landscape design of home-school-home routes
11:00 – 11:15	ID 173 Diego Martín Sánchez, Noemí Gómez Lobo: Urban Forestry in Tokyo, Urban Farming in Madrid: A Case Study of Transfer between Research and Practice
11:15 – 11:30	Discussion and Conclusion
11:30 – 11:45	Coffee break

process of generating the Historical Depth Cartography of the roads in the metropolitan area of Madrid. We have worked specifically in the 'Villa de Vallecas' district, in the southeastern area of the metropolitan area. This territory has been chosen as a case study because almost 60% of it is within the delimitation of the 'Bosque Metropolitano' and almost all of its southwestern edge, which represents 35% of its total perimeter, runs along the 'Arco Verde'. The complete mobility system is considered, including both fast and slow-moving roads, such as footpaths and cattle tracks. This cartography has made it possible to underline the deep historical meaning of many rural roads and to recognize their value beyond the route itself, but also that of the places they cross and the original reasons for the journeys. For this reason, the cartography may be useful as a working basis for the future landscape architecture and planning projects, as it provides a spatial layer of historic information which will help to make decisions regarding the conservation of the historical traces of the current mobility system. If the objective is to advance in terms of green infrastructure, recognizing and valuing the socio-ecological systems of the territory, it is necessary to design operations that are not delimiting and based on artificial boundaries, but to propose other approaches that arise from the material structure that underlies the landscape, bearer of those socio-ecological relationships that we seek to maintain and enhance.

197 Competencies for climate change mitigation in landscape architecture: An analysis of the EU Common Training Framework

There is a general assumption that landscape architects as environmental stewards, are systematically addressing climate change through sustainable actions, mainly through greening urban spaces. However, if landscapes are not purposefully planned, designed, built and maintained with their environmental footprint in mind, they might have adverse impacts, adding to the climate crisis. There is a need for the profession to enhance their climate change literacy and competency for climate-wise designs. Is the future generation of landscape professionals prepared to contribute not only to adapting to climate change impacts, but mitigating the source of climate change? Is climate change sufficiently embedded in curricula and underlying education guidelines and frameworks? As a first step, this research scrutinizes the alignment of competencies listed in the 'EU Common Training Framework for Landscape Architecture', with climate change associated skills, knowledge and competencies identified through the review of literature. To this end, an assessment framework was developed based on the revised Bloom's taxonomy for learning, teaching, and assessing developed by Anderson & Krathwohl (2001). The cognitive process dimensions of 'remembering, understanding, applying, analysing, evaluating and creating' were used for an in-depth analysis of the EU CTF content. This was done by qualitative content analysis and coding, to assess the alignment of listed competencies with each of the progressive cognitive process dimensions, and with competencies specific to climate change identified in the literature.

Results reveal that the EU CTF content is generally balanced across the different cognitive process dimensions. We found that the listed generic competencies including the 'transformative competencies', align with broader climate change competencies identified in the literature. Examples include 'systems thinking, anticipatory competency and collaboration'. However, these are rather generic and less explicit to 'climate change', and instead 'sustainability' is used as the key framing in the CTF. We suggest that the framework, particularly the listed subject specific competencies, can benefit from an explicit coverage of 'climate change' and associated climate-wise strategies relevant to landscape ar-

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chitecture. This may include a greater focus on competencies for actions with direct influence on climate change mitigation (e.g. carbon sequestration), as well as those with indirect influences (e.g. mitigating urban heat island effects). Some of these specific competencies include understanding carbon systems in plants, accounting for embodied environmental flows in materials and emissions associated with end-of-life processes, the integration of life cycle thinking across scales in design processes, and analytical capacity to use environmental performance assessment tools and metrics. Recommendations are proposed to inform the translation of the training framework in future education policies, guidelines, and curricula to ensure that the next generation of landscape architecture professionals are well-equipped with the required knowledge, skills and competencies for addressing climate change.

199 „Geodesigning“ resilient cities: Belgrade case study

The crucial fact why we talk about ‘resilient city’ is that by 2050 more than half the world’s population is going to live in the city, by the projections of the UN-Habitat Program. In this paper, we are addressing several questions which are not new, but still don’t have defined answers in the territory of the Republic of Serbia, with still dominating sectoral way of landscape planning. That is why we propose the use of Geodesign methods and technology as a transdisciplinary approach to a landscape planning and design process.

An International Geodesign Collaboration (IGC) workshop was conducted with students of bachelor and master studies of the Landscape architecture program at the Faculty of Forestry, University of Belgrade, where two case studies were developed: “Resilient city of Belgrade – urban landscape” and “Urban-rural landscape of Avala mountain, Belgrade”, to investigate possible effects of applying new landscape planning tool in the process of education. This is the first time we are applying the IGC framework and we wanted to see how this approach helps and enhances the process of landscape planning and design, and through innovations in the evaluation process better understand the impact of plans, projects, and policies of design resilient cities.

This paper aims to decipher the crossroads within the multiscale labyrinth of landscape planning and design education and practices by analyzing two selected case studies from different contexts.

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