



Third World Conference
of the Society for Urban Ecology

SURE
2020/21

7-9 July 2021
Poznań, Poland



Third World Conference of the Society for Urban Ecology

CITIES AS SOCIAL ECOLOGICAL SYSTEMS

PROGRAMME



Programme overview

| Time schedule | Tuesday, 06 July 2021 | Wednesday, 07 July 2021 | Thursday, 08 July 2021 | Friday, 09 July 2021 | Time schedule |
|---------------|--|--|--|--|---------------|
| 08.30-09.00 | | Registration / Welcome coffee | Welcome coffee | Welcome coffee | 08.30-09.00 |
| 09.00-09.30 | | | Plenary Session 2 | | 09.00-09.30 |
| 09.30-10.00 | | | | Plenary Sessions 3 | 09.30-10.00 |
| 10.00-10.30 | | Opening Ceremony & Plenary Session 1 | Coffee break | | 10.00-10.30 |
| 10.30-11.00 | | | Session A.5 Room 1 | Current State and Challenges in Urban Ecology Panel discussion | 10.30-11.00 |
| 11.00-11.30 | | | Session D.4 Room 2 | Coffee break | 11.00-11.30 |
| 11.30-12.00 | | Session A.1 Room 1 | Session D.5 Room 2 | SURE General Assembly open for All | 11.30-12.00 |
| 12.00-12.30 | | Session B.1 Room 2 | Session E.1 Room 3 | Closing Ceremony | 12.00-12.30 |
| 12.30-13.00 | | Session C.1 Room 3 | Session E.2 Room 3 | | 12.30-13.00 |
| 13.00-13.30 | | Lunch | Session F.1 Room 4 | Lunch | 13.00-13.30 |
| 13.30-14.00 | | | | | 13.30-14.00 |
| 14.00-14.30 | | Session A.2 Room 1 | Lunch | | 14.00-14.30 |
| 14.30-15.00 | | Session B.2 Room 2 | | | 14.30-15.00 |
| 15.00-15.30 | | Session C.2 Room 3 | Session D.6 Room 2 | | 15.00-15.30 |
| 15.30-16.00 | | Coffee break | Session E.3 Room 3 | | 15.30-16.00 |
| 16.00-16.30 | | Session A.3 Room 1 | Session F.2 Room 4 | | 16.00-16.30 |
| 16.30-17.00 | | Session B.3 Room 2 | | City Tour Departure of the bus from PCC car park | 16.30-17.00 |
| 17.00-17.30 | | Session C.3 Room 3 | Coffee break | | 17.00-17.30 |
| 17.30-18.00 | | Coffee break | Session A.8 Room 1 | | 17.30-18.00 |
| 18.00-18.30 | | Session B.4 Room 2 | Session E.4 Room 4 | | 18.00-18.30 |
| 18.30-19.00 | | Session C.4 Room 3 | | | 18.30-19.00 |
| 19.00-19.30 | Welcome Reception Poznań Congress Center Floor 1 Głogowska 14 | | | | 19.00-19.30 |
| 19.30-20.00 | | | Conference Dinner Poznań Congress Center, 'Saffron a la carte' Hall Głogowska 14 | | 19.30-20.00 |
| 20.00-20.30 | | | | | 20.00-20.30 |
| 20.30-21.00 | | Social Evening Hanka Residence Al. Niepodległości 26 | | | 20.30-21.00 |
| 21.00-21.30 | | | | | 21.00-21.30 |
| 21.30-22.00 | | | | | 21.30-22.00 |



Programme overview - symposiums

| SYMPOSIUMS | |
|------------|---|
| A | GREEN INFRASTRUCTURE FOR URBAN AREAS |
| B | BIODIVERSITY & NATURE PROTECTION IN URBAN AREAS |
| C | NATURE-BASED SOLUTIONS FOR CITIES |
| D | URBAN DEVELOPMENT AND SUSTAINABILITY |
| E | FOOD PRODUCTION IN CITIES – URBAN AGRICULTURE |
| F | ECOSERV 2021 |



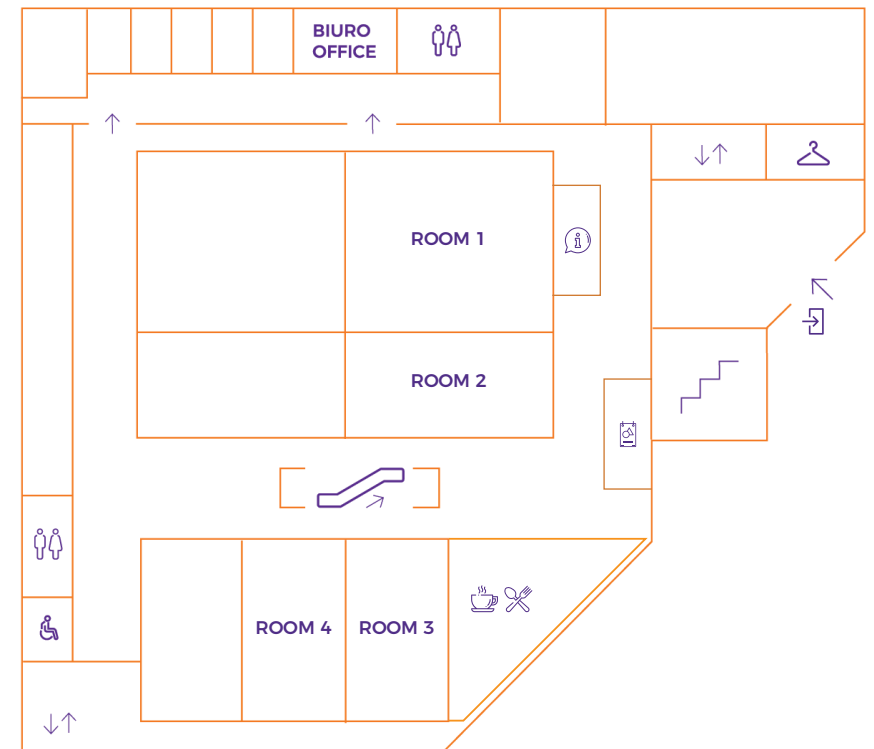
Plan of the conference venue



Plan of the conference venue



Level 1



- Cloakroom
- Registration desk & Information
- Coffee & lunch breaks
- Poster exhibition
- Toilets
- Main entrance



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Patronage, organizers and partners

Honorary Patronage



Ministry
of Education
and Science



Ministry of Climate
and Environment

POZnań*
Honorary Patronage
of the Mayor of Poznań

Organizers



ADAM MICKIEWICZ
UNIVERSITY
POZNAŃ

Partners

POZnań*
metropolitan area

AQUANET

PPN1
Poznań Science
and Technology Park

**ASSOCIATION
OF POLISH
CITIES**



Scientific Committee

Jürgen Breuste – University of Salzburg, Austria - Chairman
Martina Artmann – Leibniz Institute of Ecological Urban and Regional Development, Germany
Marcus Collier – Trinity College Dublin, Ireland
Dagmar Haase – Humboldt University Berlin, Helmholtz Centre for Environmental Research, Germany
Cigdem Coskun Hepcan - Ege University, Izmir, Turkey
Cecilia Herzog – Pontifical Catholic University of Rio de Janeiro, Brasil
Cristian Ioja – University of Bucharest, Romania
Tomasz Kaczmarek – Adam Mickiewicz University in Poznań, Poland
Junxiang Li – East China Normal University, China
Zhiyun Ouyang – Chinese Academy of Sciences, China
Salman Qureshi – Humboldt University Berlin, Germany; Pakistan
Henry Garay Sarasti – EcoNat, Colombia
Barbara Szulczewska – Warsaw University of Life Sciences, Poland

Organizing Committee

Andrzej Mizgajski – Conference Chairman
Katarzyna Fagiewicz – Conference Executive Manager
 Borysiak Janina
 Churski Paweł
 Fedeńczak Konstancja
 Kasprzak Leszek
 Lupa Piotr
 Łechtańska Daria
 Łowicki Damian
 Macias Andrzej
 Poniży Lidia
 Stępniewska Małgorzata
 Stępniewska Angelika
 Sulich Karolina
 Zwierzchowska Iwona



Dear Participants,

We are happy to welcome scientists, practitioners, and policymakers, interested in relations between socio-economic and ecological components of urban systems, at the Third World Conference of the Society for Urban Ecology 2020/21.



Due to the impact of the pandemic, our meeting had to be postponed for an entire year. Due to the ongoing restrictions, this year we adopted a hybrid conference formula, to allow for wide participation, either in person or online.

After the previous successful conferences in Berlin (2013), and in Shanghai (2016), we will meet again between the 7th and 9th of July 2021 in Poznań - a green, health-oriented city, one of the most liveable in Poland.

We hope to host a remarkable event, firstly by providing a welcoming forum for scholars, experts, and business and administration professionals to present their results and research and discuss the ideas, concepts, experiences, and different viewpoints.

Secondly, by hosting the conference in the hybrid mode, we are opening it to participants who are unable to be with us in person, due to pandemic-related travel restrictions.

The conference program covers a wide range of topics programmed across 32 sessions, clustered into six thematic symposia. Although implementing the entire program within the limited number of parallel sessions poses a challenge to both organisers and participants, at the same time we also hope for a forum for individual discussions among our guests.

As organizers, we have put in significant effort to ensure that you find participation in the conference a very stimulating, fruitful, and enjoyable experience.

Enjoy the event and your stay in Poznań!

prof. Juergen Breuste
SURE President

prof. Andrzej Mizgajski
Conference Chairman



Welcome note by the President of the Board of AMUF

Dear Participants,

We all know that COVID-19 has caused significant hardship for many institutions around the world, forcing us to change our daily operations and continuously re-evaluate planned activities and initiatives. These are exceptional circumstances that none of us have ever experienced before.



After such a long break, I am happy to welcome you physically at Poznań Congress Center!

Straight after choosing us as the organiser of this prestigious event, we started to look for ways to make this event special. We have put in maximum effort to ensure that you find the participation in Third Sure World Conference 2020/21 as well as a productive and interesting experience. Adam Mickiewicz University Foundation together with its key department Poznań Science and Technology Park initiated a number of activities in the field of science and economic cooperation and development of new technologies.

Moreover, the Park is an experienced and reliable partner with sufficient resources and strong background in organizing conferences. Our Professional Congress Organizer (PCO) specializes in organization of conferences and seminars, meetings and conventions. For over a year we were concentrated to coordinate Third Sure World Conference 2020/21 preparation as effective as possible. I have no doubt that the Conference will offer all the Participants a big chance to share the knowledge with experts and industry leaders. I hope you'll also find Poznań as an attractive location for its natural, historical and cultural amenities.

I'm sure it will be a very special and unique event and you will enjoy it!

Wishing you a productive and enjoyable time in hospitable Poznań!

Prof. Jacek Guliński
President of the Board of Adam Mickiewicz University Foundation
Director of Poznań Science and Technology Park



General information

Venue

Poznań Congress Center
Głogowska 14, 60-734 Poznań

Date

6 – 9, July 2021

Conference language

The official conference language is English.

Registration

The registration desk will be open:

| | |
|-----------|---------------|
| Tuesday | 18:00 – 20:00 |
| Wednesday | 08:30 – 19:00 |
| Thursday | 08:30 – 19:00 |
| Friday | 08:30 – 14:00 |

Name badge

Participants and accompanying persons are kindly requested to wear their name badge during all conference events. Admittance to the scientific sessions and social events will be refused if the required badge cannot be presented. Lost badges will be replaced at the Registration Desk upon presentation of a proof of registration and an identity card. Conference badge entitles participants to use all public transport connections free of charge on July 6-10. It is important to have a valid ID.

Certificates of participation

Certificates of participation will be issued upon request (at the registration desk).

WLAN and internet area

A wireless network will be available throughout the whole building and will be free of charge.

Network name: sure2021

Password: sure2021!

Catering

Free lunches and soft drinks will be offered to all participants during lunchtime catering area. Tea and coffee will be provided free of charge in the morning and in the afternoon during coffee breaks.



General information

Poster presentation

The poster exhibition will be presented in digital form on 65' and 75' screens in the venue hall. For a listing of the exhibitors please refer to the corresponding section in this programme. Detailed information about the poster session is included.

COVID-19 information

COVID-19 is the disease cause by a new coronavirus called SARS-CoV-2.

The most common symptoms of COVID-19 are: fever, dry cough, fatigue. Other symptoms that are less common and may affect some patients include: loss of taste or smell, nasal congestion, conjunctivitis (red eyes), sore throat, headache, muscle or joint pain, different types of skin rash, nausea or vomiting, diarrhea, chills or dizziness.

If you get any of the above symptoms you should call:

800 190 590 – the free NFZ helpline, which is open 24 hours a day, 7 days a week.

Public transport

From the Poznań Ławica Airport to the Poznań Main Railway Station:

- Bus line no. 159
- Get on the “Port Lotniczy Ławica” bus stop
- Get off at the “Poznań Główny” bus stop

After 11 PM (23.00 Warsaw time zone GMT+2) get the bus line no. 242.

- Get on the “Port Lotniczy Ławica” bus stop
- Get off at the “Poznań Główny” bus stop

From the Poznań International Fair to the DS Hanka UAM:

- Bus line no. 168
- Get on the “Poznań Główny” bus stop
- Get off at the “Urząd Wojewódzki” bus stop

- Bus line no. 163
- Get on the “Rondo Kaponiera” bus stop
- Get off at the “Urząd Wojewódzki” bus stop



General information

After 11 PM (23.00 Warsaw time zone GMT+2) get the bus lines no. 215, 213, 214, 223, 224

- Get on the “Rondo Kaponiera” bus stop
- Get off at the “Libelta n/ż” bus stop

From the Poznań Main Railway Station to Poznań Congress Center:

- The Poznań Main Railway Station is located next to the conference venue.

Taxi numbers in Poznań

- Taxi Poznań - (+48) 61 8 222 222
- Hallo Taxi - (+48) 61 8 216 216
- PST - (+48) 61 8 519 519
- Radio Taxi - (+48) 61 8 515 515
- Taxi Express - (+48) 61 8 480 480

Uber

Uber service is available in Poznań.

Electric scooters

Electric scooters are available in Poznań.

Download the “Lime” app from AppStore or Google Play. Pay for the drive with credit card and locate scooter on the map. More information about using electric scooters in Poznań are available on the website: www.li.me/pl.

Currency

The currency in Poland is Polish zloty, which is approximately 0,25 euro.

SURE General Assembly

SURE General Assembly will take place on Friday, 9 July 2021 from 11:45 to 12:45 in the Room 1 PCC.



Guidelines for presentations and posters

The conference will be held in hybrid mode. In total, over 200 oral presentations and posters were accepted. Most of the participants will take part in the online formula, and about 100 people will visit Poznań Congress Center in person. Streaming in four parallel channels will include all presentations.

Guidelines for presentations

Submitted presentations should be in the ratio 16:9, in the .pdf or .pptx format. Organizers have a request to reduce animations at the transitions in the presentation to a minimum, what is mainly requested to people presenting online through the zoom platform. If there are films in the presentation, please send them to hubert.joachimiaak@grupamtp.pl in a separate folder. Important: films should have description of which presentation they are dedicated to. The description has to include the full code of the presentation (e.g. B.5.2.), its title and the presenter's name. This applies both to people presenting on site and at the zoom.

In case of problems with displaying films by people presenting at the zoom, the films will be presented directly by the technical staff on site in the conference room.

Online participants should provide their presentations to the zoom staff no later than 15 minutes before the presentation. Each online presenter will be checked during a short meeting before his speech. Stationary participants will be able to deliver a presentation at the reception desk.

Guidelines for posters

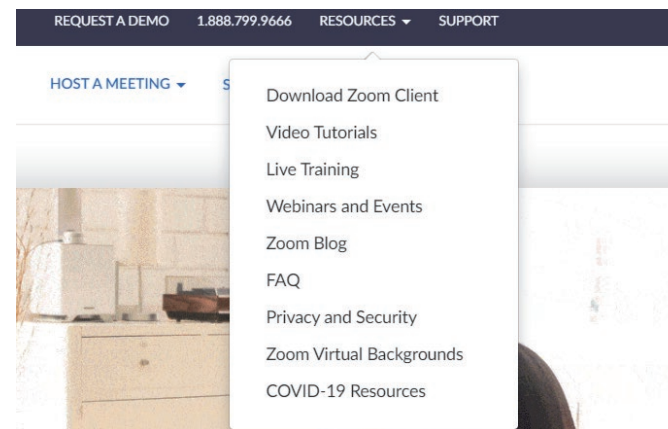
Posters for people participating in the conference on site will be presented in the public area of the Congress Center on several monitors during the whole conference. Also online participants of the conference will be able to view the posters, but in the virtual conference space.

The poster session is planned for 1.5 hours on 8 July, 10.15-11.45 during which rapporteurs pointed by the organizers will present main points of posters' topic. The authors of the posters are asked to take part in the session and be ready to participate in the discussion.



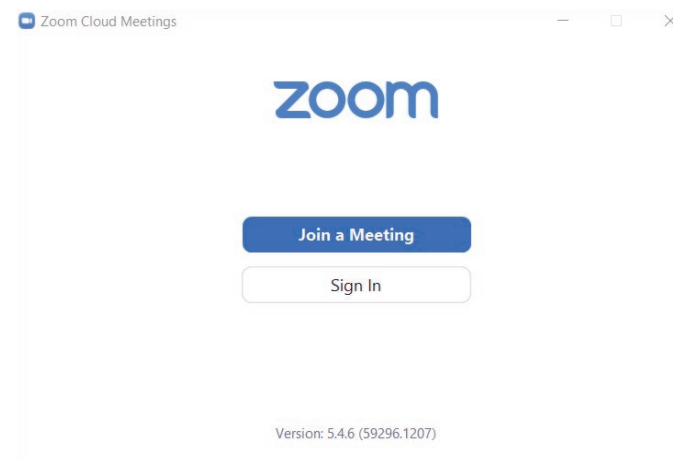
Zoom connection instruction

The solution we recommend is installing the zoom application on your computer. To do this, go to the page zoom.us and hover over the "resources" option and select "download zoom client".



The browser knows whether you are using a computer with Windows software or Mac computers.

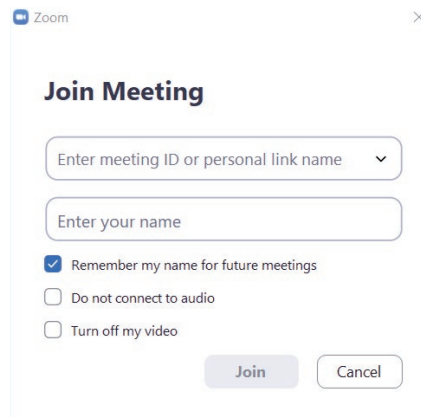
After installing the zoom application on your computer, a window will appear below:





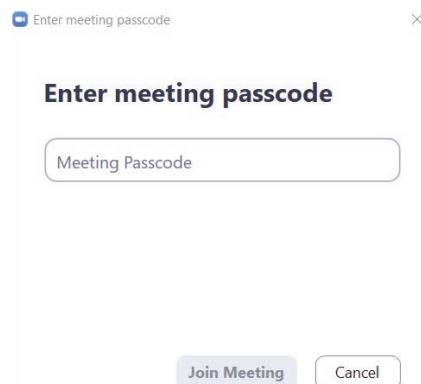
Zoom connection instruction

Select the option "**Join a Meeting**". Then a window will appear:



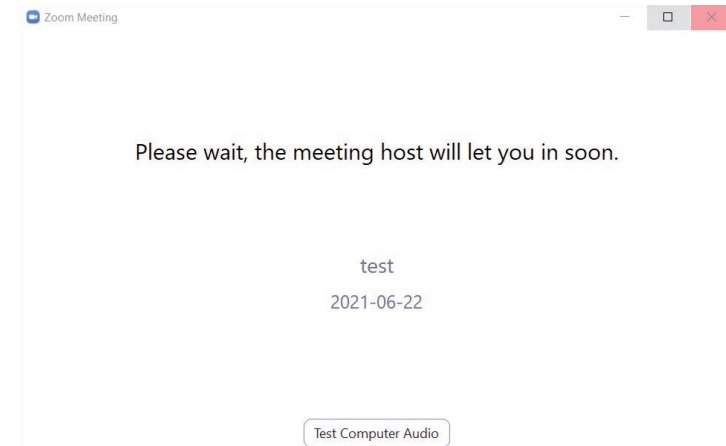
In the top bar, enter the so-called **Meeting ID**, which you will receive before the conference. Enter your **Name and Surname** in the bottom Bar. Please enter your name and surname accurately as it will facilitate the verification of you and assignment to the appropriate room.

After correctly entering the ID and Name and Surname, you will see a **password entry window**, which you will also receive along with the Meeting ID just before the conference.



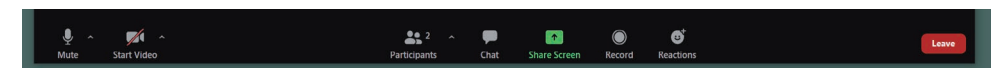
Zoom connection instruction

After entering the Password, the waiting window for connection with the Technical Service will appear.



When you are invited by the service, because the so-called "**waiting room**" you will be tested in terms of the microphone, camera and whether the presentation of the presentation works at your place.

All configuration buttons are located at the bottom of the zoom application panel and are available only after connecting to the technical service.



The most important buttons are
The first from the left, i.e. the microphone settings
Second from the left, i.e. Video / Camera settings
And green in the center for sharing screen.

Please remember to start the presentation earlier on your computer and then use the share screen button, otherwise the presentation will not be noticed by the zoom application.



Welcome reception

Date: Tuesday, 6 July 2021

Venue: Poznań Congress Center, Level 1, Głogowska 14, Poznań

Start: 18:00

Admission to the event is free of charge, but requires prior registration. Free catering to all participants will be served. Conference packages and materials about Poznań city will be provided. The presentation upload station will be launched. It is a time for meeting with other delegates.

Social evening

Date: Wednesday, 7 July 2021

Venue: Academic residence 'Hanka' Al. Niepodległości 26, Poznań

Start: 20:00

Social evening will take place in the fully renovated in 2018 Hanka Residence in the center of Poznań. This event costs 40 EUR.

An evening with Matthew Kelly, an Irish bard settled in Poznań, Matthew is a musician whose soft voice rests his senses slowing down time and relieving fatigue. Rock standards and ballads in his performance sound familiar and lyrical.

Conference dinner

Date: Thursday, 8 July 2021

Venue: Poznań Congress Center, 'Saffron a`la carte' Hall, Głogowska 14, Poznań

Start: 20:00

This is the official reception with the menu specially prepared by the chef of the 'Saffron a`la carte'. This event costs 40 EUR.

The evening will feature a performance by Lee Ensemble Duet. Lee Ensemble Duet is jazz music in its most enjoyable edition. Interestingly arranged jazz standards and contemporary songs played in a smooth jazz, soul chill-out atmosphere. It is the music of bygone eras with a subtle piano accompaniment. Arrangements based on the rhythms of bossa-nova, blues and swing, not avoiding soul solutions, largely improvised, which makes them more interesting for the listener.

Vocalist Lee Leitgeber, pianist Filip Chojnacki



City Tour - Friday, 9 July 2021

🕒 Duration: around 5h



Poznań is the 5th biggest city in Poland and the capital of the Greater Poland province. Its history spans more than 1,000 years. We will take you to the famous Stary Browar (Old Brewery), which has been transformed into a shopping center and a gallery of contemporary art. The next stop will be the Old Town with its Old Market Square. In the very centre of the Square you will find the most iconic building in Poznań – the original 16th century Renaissance Town Hall. Every day, at noon, crowds of tourists gather, to see the most famous clock mechanism in

Poland - the Poznań goats. Another point of the program is a real jewelry of Roman Baroque architecture, the former Jesuit church of St. Stanisław the Bishop, adjacent palaces and the Royal Castle topping the Przemysław Hill. We will end the tour of the Old Town with a local specialty, the croissant of St. Marcin and walk to the oldest part of Poznań - Ostrów Tumski. In the 10th century, the island was a religious and political center of early Poland. It is here, in the oldest cathedral in Poland, that the first Christian prince Mieszko I was buried along with his son Bolesław, the first crowned king of Poland.

A. Start point 14:00 - Poznań International Fair (the conference venue)

B. End point 19:00 - Poznań Main Train Station

Visited points

1. Natural development of eastern green wedge of Poznań, ecological role of ponds in the Cybina valley
2. Sports and tourism development in the eastern green wedge of Poznań, the role of Malta Lake
3. The historic architectural complex of Ostrów Tumski and Śródka, the beginnings of Poznań and Poland
4. The role of the river in the city, ecosystem services provided by Warta River Valley in the city center of Poznań
5. Architecture and monuments of the old town





Keynote speakers • Dagmar Haase



Dagmar Haase

Humboldt Universität,
Helmholtz Centre
for Environmental Research
- UFZ

Berlin, Germany

Dagmar Haase is a Professor in Urban Ecology and Urban Land Use Modelling. She holds a PhD from the Martin-Luther-University of Halle-Wittenberg. Dagmar is a Professor at the Humboldt Universität zu Berlin, Germany, and Guest Scientist at the Helmholtz Centre for Environmental Research - UFZ. Dagmar's main interest and activities are settled in the combination and integration of global urbanization modelling and the quantification and assessment of ecosystem services, disservices, green infrastructure and social-environmental justice issues in cities and urban areas including urban land teleconnections. She works at different spatial scales, from the global to the local and neighbourhood scale. Conceptually, Dagmar's Lab bases its work on the idea of emergence, resilience and sustainability of social-ecological coupled systems. Geographically, her focus areas are situated in Europe and in Russia. She is author of over 160 ISI-listed scientific publications. In 2010, Dagmar was fellow of the International Environmental Modelling & Software Society (iEMSs), in 2014, she received the AXA Award for research on "Resilient Cities". In 2016, Dagmar held the Honorary Wallenberg Professorship of the Swedish Academy of Sciences.



Keynote speakers • Peter Nijkamp



Peter Nijkamp

Vrije University
Amsterdam, Netherlands

Peter Nijkamp is a Professor in Regional and Urban Economics and in Economic Geography at the Vrije University, Amsterdam. His main research interests cover quantitative plan evaluation, regional and urban modelling, multicriteria analysis, transport systems analysis, mathematical systems modelling, technological innovation, entrepreneurship, environmental and resource management, and sustainable development. In the past years he has focussed his research in particular on new quantitative methods for policy analysis, as well as on spatial-behavioural analysis of economic agents. He has a broad expertise in the area of public policy, services planning, infrastructure management and environmental protection. In all these fields he has published many books and numerous articles. He is member of editorial/advisory boards of more than 30 journals. He has been visiting professor in many universities all over the world. According to the RePec list he belongs to the top-20 of well-known economists world-wide. He is past president of the European Regional Science Association and of the Regional Science Association International. He is also fellow of the Royal Netherlands Academy of Sciences, and past vice-president of this organization. From 2002 – 2009 he has served as president of the governing board of the Netherlands Research Council (NWO). In addition, he is past president of the European Heads of Research Councils (EUROHORCS). He is also fellow of the Academia Europaea, and member of many international scientific organizations. He has acted regularly as advisor to (inter)national bodies and (local and national) governments. In 1996, he was awarded the most prestigious scientific prize in the Netherlands, the Spinoza award. At present, he is honorary university professor.



Keynote speakers • Weiqi Zhou



Weiqi Zhou

Professor of Urban Ecology
State Key Laboratory of
Urban and Regional Ecology
Beijing Urban Ecosystem
Research Station

Beijing, China

Dr. Weiqi Zhou is a Professor, and Deputy Director of the State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences. He is also the Director of the Beijing Urban Ecosystem Research Station. Dr. Zhou got his Ph.D. from the University of Vermont. Before he joins the Research Center for Eco-Environmental Sciences, he was a postdoc fellow at the University of California, Davis. Dr. Zhou is broadly interested in urban and landscape ecology with respect to spatial heterogeneity of the landscape. He integrates field observations, remote sensing and modeling to understand the structure of urban socio-ecological systems, and its link to ecological function. He works across many disciplines including landscape ecology, urban ecology, remote sensing, and GIS, and interact with various collaborators from different fields through his involvement with various collaborative projects. The interdisciplinarity of his work has allowed him to develop innovative approaches and tools to better understanding the structure of urban socio-ecological systems, and its link to ecological function. Dr. Zhou serves as the editorial members for the journals: Landscape Ecology, Landscape and Urban Planning, Journal of Urban Ecology, Remote Sensing, and Ecosystem Health and Sustainability. He is a Co-Leader of the Urban Ecosystem Group of the IUCN Commission on Ecosystem Management. He has published more than 100 peer-reviewed papers and three books.



Keynote speakers • Rudolf de Groot



Rudolf de Groot

Wageningen University, the
Netherlands

Ru(dolf) de Groot is Associate Professor in Integrated Ecosystem Assessment & Management with the Environmental Systems Analysis Group of Wageningen University, the Netherlands. He is a Landscape Ecologist by training and has worked for more than 35 years on the use of ecosystem services as a tool for sustainable environmental planning, management and decision making. De Groot was involved as Coordinating Lead Author in the UN-supported Millennium Ecosystem Assessment (2001-2005) and in the global study on “The Economics of Ecosystems & Biodiversity” (TEEB 2008-2010) www.teebweb.org (leading the Conceptual Framework chapter and the development of a database on monetary values of Ecosystem Services). From 2010-2018 he was Editor-in-Chief of the International Journal on “Biodiversity Science, Ecosystem Services and Management” (Taylor & Francis) and from January 2019 he is Editor-in-Chief of the Elsevier Journal “Ecosystem Services: Science, Policy & Practice”. He published numerous papers and since 2018 is listed among the top 1% most cited researchers on cross-disciplinary topics. Next to his scientific work he is passionate about the practical applications of the ecosystem services concept. He is among others Special Advisor on Ecosystem Services and Nature Based Solutions of the IUCN Commission on Ecosystem Management (CEM), member of the Steering Committee of the UNEP International Resource Panel and Chair of the Ecosystem Services Partnership, a worldwide network to enhance the science and practical application of ecosystem services assessment.



Keynote speakers • Ingo Kowarik



Ingo Kowarik

Professor in Ecosystem
Science and Plant Ecology at
the Technische Universität

Berlin, Germany

Ingo Kowarik is a Professor in Ecosystem Science and Plant Ecology at the Technische Universität Berlin, Germany. His main interests include a better understanding of the fascinating pattern of urban biodiversity and its underlying mechanisms, as well as interactions between humans and urban nature. Since the future of biodiversity is also decided in cities, Ingo Kowarik also works on the development and testing of new concepts for urban nature conservation - covering all urban land uses, including novel ecosystems. He was responsible for the development of the Berlin Biodiversity Strategy and also led the German TEEB study on ecosystem services in cities. Since 2002, Ingo Kowarik has also served as honorary state commissioner for nature conservation for the state of Berlin and has been involved in many urban development projects for a sustainable and biodiversity-friendly development of Berlin as a growing metropolis.



Keynote speakers • Russell Galt



Russell Galt

International Union for
Conservation of Nature
(IUCN) Urban Alliance

Brussels, Belgium

Russell Galt is an Urban Ecologist and the Director of the International Union for Conservation of Nature (IUCN) Urban Alliance, Brussels – a broad coalition of partners concerned with urban dimensions of nature conservation. He considers access to a clean, safe and wildlife-rich environment to be a human right that requires special attention in cities. Russell holds an LLM in Natural Resources Law and Policy from the Centre for Energy, Petroleum and Mineral Law and Policy at the University of Dundee as well as a BSc (Hons) in Ecological Science from the University of Edinburgh. He has spent the past decade working internationally — from Brussels, Cape Town, Nairobi and Edinburgh — for IUCN, ICLEI – Local Governments for Sustainability, the South African National Biodiversity Institute and the United Nations Environment Programme.



Programme overview • speakers

| Wednesday, 7 July 2021 | | | | |
|---------------------------|---|---------------------------|---------------------------------|-----------------------|
| 08.30-10.00 | Registration - PCC Level 1 | | | |
| 10.00-11.15 | Plenary Session 1 Room 1 | | | |
| 10.00-10.15 | Welcome addresses and opening plenary session (Room1) | | | |
| 10.15-10.40 | K.1 - Peter Nijkamp | | | |
| 10.40-11.05 | K.2 - Ingo Kowarik | | | |
| 11.05-11.15 | Discussion | | | |
| 11.15-11.30 | Cofee break | | | |
| 11.30-13.00 | A.1 Room 1 | B.1 Room 2 | C.1 Room 3 | D.1 Room 4 |
| 11.30-11.40 | Simeon Vaňo | Jürgen Breuste | Agnieszka Dudzinska-Jarmolinska | Zita Izakovičová |
| 11.40-11.50 | Oleksandr Galychyn | Jürgen Breuste | David Camacho | Thilo Wellmann |
| 11.50-12.00 | Renata Giedych | Junxiang Li | Barbara Sowińska-Świerkosz | Dmitry Boyko |
| 12.00-12.10 | Jing Gan | Cristian Ioja | Taícia Marques | Tao Lin |
| 12.10-12.20 | Neven Tandarić | Xinyue Hu | Juan David Amaya-Espinel | Roland Kraemer |
| 12.20-12.30 | Eliška Vejchodská | Meryem Hayir Kanat | Zbigniew Szkop | Dominika Karpińska |
| 12.30-12.40 | Nikolaos Thymakis | Discussion | Discussion | Discussion |
| 12.40-13.00 | Discussion | | | |
| 13.00-14.00 | Lunch | | | |
| 14.00-15.30 | A.2 Room 1 | B.2 Room 2 | C.2 Room 3 | D.2 Room 4 |
| 14.00-14.10 | Maria Susana Orta-Ortiz | Phakhawat Thaweeppworadej | Kinga Krauze | Jürgen Breuste |
| 14.10-14.20 | Arne Kunkel | Jing Gan | Riyan Habeeb | Paul Draus |
| 14.20-14.30 | Andreas Putz | Jennifer Fischer | Barbara Sowińska-Świerkosz | Cigdem Coskun Hepcan |
| 14.30-14.40 | Rieke Hansen | Krzysztof Rostański | Ákos Kristóf Csete | Meryem Hayir-Kanat |
| 14.40-14.50 | Justyna Rubaszek | Krzysztof Kolenda | Sara Favargiotti | Marc Gimenez-Maranges |
| 14.50-15.00 | Andreea Raluca Slave | Simon Sebastian Moesch | Taícia Helena Negrin Marques | Cigdem Coskun Hepcan |



Programme overview • speakers

| | | | | |
|-------------|----------------------------------|------------------|---------------------|-------------------------|
| 15.00-15.10 | Elena Persico | Sophie Meier | Discussion | Discussion |
| 15.10-15.30 | Discussion | Discussion | | |
| 15.30-15.45 | Cofee break | | | |
| 15.45-17.15 | A.3 Room 1 | B.3 Room 2 | C.3 Room 3 | D.3 Room 4 |
| 15.45-15.55 | Magdalena Biernacka | Michela Corsini | Chiara Cortinovis | Martina Artmann |
| 15.55-16.05 | Ralf-Uwe Syrbe | Jürgen Breuste | Sungju Han | Sarel Cilliers |
| 16.05-16.15 | Ana Marija Marin | Olga Tzortzakaki | Antti Rehunen | Beatriz Pierri Daunt |
| 16.15-16.25 | Beata Gawryszewska | Linda Meier | Anna Galecka-Drozda | Constantina Alina Hossu |
| 16.25-16.35 | Pramila Thapa | Sophie Lokatis | Israa Mahmoud | Kerstin Krellenberg |
| 16.35-16.45 | Christoph Elbl | Sara Gagné | Diego Baragaño | Christopher Ives |
| 16.45-16.55 | Martina van Lierop | Wolfgang Weisser | Herbert Haubold | Discussion |
| 16.55-17.15 | Discussion | Discussion | Discussion | |
| 17.15-17.30 | Cofee break | | | |
| 17.30-19.00 | A.4 Room 1 | B.4 Room 2 | C.4 Room 3 | B.5 Room 4 |
| 17.30-17.40 | Gabrielė Zabelskytė | Tamás Lakatos | Davide Geneletti | Laurence Jones |
| 17.40-17.50 | Ronald András Kolcsár | Dávid Korányi | Aude Zingraff-Hamed | Małgorzata Stępniewska |
| 17.50-18.00 | Doris Damyanovic | Boyu Gao | Iwona Zwierzchowska | Gabriela Rosa Graviola |
| 18.00-18.10 | Haixing Meng, Qingji Shen | Péter Batáry | Fredrika Mårtensson | Cigdem Coskun Hepcan |
| 18.10-18.20 | Rosário Oliveira | Andreea Ciobota | Leonie K Fischer | Christoph Schunko |
| 18.20-18.30 | Damian Łowicki | Abin Joseliph | Anna Galecka-Drozda | Fabio Sweet |
| 18.30-18.40 | Levan Alpaidze | Discussion | Barbara Vojvodíková | Discussion |
| 18.40-19.00 | Discussion | | Discussion | |
| 20.00-24.00 | Social Evening - Hanka Residence | | | |



Programme overview • speakers

| Thursday, 8 July 2021 | | | | |
|--------------------------|--------------------------------|----------------------|-----------------------|--------------------------|
| 09.00-10.00 | Plenary Session 2 Room 1 | | | |
| 09.00-09.25 | K.3 - Dolf de Groot | | | |
| 09.25-09.50 | K.4 - Dagmar Haase | | | |
| 09.50-10.00 | Discussion | | | |
| 10.00-10.15 | Cofee break | | | |
| 10.15-11.45 | A.5 Room 1 | D.4 Room 2 | P Room 3 | F.1 Room 4 |
| 10.15-10.25 | Sabrina Erlwein | Xing Bi | Posters | Małgorzata Stępniewska |
| 10.25-10.35 | Davide Longato | Priscila Weruska | | Kamila Belka |
| 10.35-10.45 | Niklas Dahlberg | Xiao Wei | | Małgorzata Stępniewska |
| 10.45-10.55 | Lenka Suchá | Daniele La Rosa | | Marcin Mielewczuk |
| 10.55-11.05 | Anna Codemo | Adriana Planinić | | Patrycja Przewoźna |
| 11.05-11.15 | Sana Javaid | Liliia Sulkarnaeva | | Katarzyna Fagiewicz |
| 11.15-11.30 | Discussion | Discussion | | Katarzyna Pukowiec-Kurda |
| 11.30-11.45 | | | | Discussion |
| 11.45-12.15 | Cofee break | | | |
| 12.15-13.45 | A.6 Room 1 | D.5 Room 2 | E.1 Room 3 | F.2 Room 4 |
| 12.15-12.25 | Renata Włodarczyk-Marciniak | Katarzyna Fagiewicz | Erica Dorr | Ming Qiu |
| 12.25-12.35 | Jarumi Kato Huerta | Harald Zepp | Silvio Caputo | Suili Xiao |
| 12.35-12.45 | Akbar Rahimi | Piotr Lupa | Barbara Maćkiewicz | Marta Sylla |
| 12.45-12.55 | Francesc Baró | Silvia Ronchi | Lidia Poniży | Peter Mederly |
| 12.55-13.05 | Diana Andreea Onose | Victoria Volke | Magdalena Szczepańska | Claudia Dworczyk |
| 13.05-13.15 | Discussion | Carola Helletsgruber | Marta Sylla | Nannan Dong |
| 13.15-13.25 | | Discussion | Discussion | Susanne Hartard |
| 13.25-13.45 | | | | Discussion |



Programme overview • speakers

| | | | | |
|-------------|---|-------------------------|----------------------------|-------------------|
| 13.45-14.45 | Lunch | | | |
| 14.45-16.15 | A.7 Room 1 | D.6 Room 2 | E.2 Room 3 | F.3 Room 4 |
| 14.45-14.55 | Mihai Razvan Nita | Byron Ioannou | Erica Dorr | Patrycja Brzoska |
| 14.55-15.05 | Akbar Rahimi | Minas Angelidis | Lenka Dubová | Celina Stanley |
| 15.05-15.15 | Briony Norton | Linke Ouyang | Jorinda Steenkamp | Daria Sikorska |
| 15.15-15.25 | Katharina Kapitza | Ksenia Merekalova | Nanamhla Gwedla | Celina Stanley |
| 15.25-15.35 | Oleksandr Galychyn | Iga Solecka | Paloma Gonzalez de Linares | Daniele La Rosa |
| 15.35-15.45 | Monika Paradowska | Paulina Kucharska | Discussion | Piotr Archiciński |
| 15.45-15.55 | Paul Draus | Discussion | | Discussion |
| 15.55-16.15 | Discussion | | | |
| 16.15-16.45 | Cofee break | | | |
| 16.45-18.15 | A.8 Room 1 | F.5 Room 2 | E.3 Room 3 | F.4 Room 4 |
| 16.45-16.55 | Jessica Hemingway | Marta Derek | Caitlin K. Kirby | Marek Degórski |
| 16.55-17.05 | Justyna Gorgoń | Dalton Erick Baltazar | Rositsa Ilieva | Matthias Falke |
| 17.05-17.15 | Caiyan Wu | Dalton Erick Baltazar | Marco Dobrodolac | Martin Sauerwein |
| 17.15-17.25 | Piotr Lupa | Raphael Ocelli Pinheiro | Francesca Riolo | Rieke Hansen |
| 17.25-17.35 | Helen Hoyle | Sylvia Kulczyk | Luisa Gedon | Ksenia Merekalova |
| 17.35-17.45 | Barbara Vojvodikova | Marco Tononi | Stefan Schweiger | Anna Wilczyńska |
| 17.45-17.55 | Discussion | Marion Kiss | Discussion | Xiangyu Luo |
| 17.55-18.15 | | Discussion | | Discussion |
| 20.00-24.00 | Conference dinner - Poznań Congress Center, 'Saffron a la carte' Hall | | | |



| Friday, 9 July 2021 | |
|---------------------|--|
| 09.30-10.30 | Plenary Session 3 Room 1 |
| 09.30-09.55 | K.5. Weiqi Zhou |
| 09.55-10.20 | K.6. Russell Galt |
| 10.20-10.30 | Discussion |
| 10.30-11.30 | Current State and Challenges in Urban Ecology – Panel discussion |
| 11.30-11.45 | Coffee break |
| 11.45-12.45 | SURE General Assembly – Open for all Room1 |
| 12.45-13.00 | Wrapping up the Third SURE Conference – Closing Ceremony |
| 13.00-14.00 | Lunch |
| 14.00-19.00 | City Tour – Departure of the bus at PCC parking |



Room 1

Opening Ceremony and Plenary Session I

10.00 – 10.15

Welcome addresses and opening plenary session

10.15 – 10.40

Keynote speaker: Peter Nijkamp

K.1. *City love and place quality: assessment of livable neighborhoods in cities*

10.40 – 11.05

Keynote speaker: Ingo Kowarik

K.2. *Cities as shared habitats of people, plants and animals: key challenges for urban biodiversity conservation*

11.05 – 11.15

Discussion



| Symposium | GREEN INFRASTRUCTURE FOR URBAN AREAS |
|---------------|---|
| Room 1 | Concept & Planning of the Urban Green Infrastructure Daniele Ia Rosa |
| 11.30 – 11.40 | A.1.1. <i>Green infrastructure operationalization: A systematic review on the procedural aspects from a decade of research</i> Simeon Vaňo , Martina van Lierop, Stephan Pauleit, Peter Mederly |
| 11.40 – 11.50 | A.1.2. <i>Ecological network analysis of a metabolic urban system based on input-output tables: Model development and case study for the city of Vienna</i> Oleksandr Galychyn , Brian Fath, Elvira Buonocore, Pier Paolo Franzese |
| 11.50 – 12.00 | A.1.3. <i>Is the green infrastructure considered as the development asset of Polish medium-sized cities?</i> Renata Giedych , Barbara Szulczewska, Paulina Legutko-Kobus, Agata Cieszevska, Joanna Adamczyk-Jabłońska |
| 12.00 – 12.10 | A.1.4. <i>Built Environment Factors effecting Urban Biodiversity and its Planning Strategies-Case Study in blocks along Century Avenue, Pudong New District, Shanghai, China</i> Jing Gan , Guangpu Guo |
| 12.10 – 12.20 | A.1.5. <i>Planning for Cultural Ecosystem Services in Socialist and Post-Socialist Zagreb, Croatia</i> Neven Tandarić , Christopher D. Ives, Charles Watkins |
| 12.20 – 12.30 | A.1.6. <i>Side effects of instruments for land value capture on urban densification and expansion</i> Eliška Vejchodská |
| 12.30 – 12.40 | A.1.7. <i>The Hellenic garden. A worldwide brand of climate-wise cultural landscaping approach in urban spaces</i> Nikolaos Thymakis , Julia-Neratzia Tzortzi |
| 12.40 – 13.00 | Discussion |



| | |
|---------------|---|
| Room 1 | Urban Green Infrastructure Planning and Governance for Better Living: Strategies and Tools Martina van Lierop, Teresa Zölch, Sabrina Erlwein, Stephan Pauleit |
| 14.00 – 14.10 | A.2.1. <i>Impact assessment of nature-based solutions upscaling strategies at the city scale: a case study</i> Maria Susana Orta-Ortiz , Davide Geneletti |
| 14.10 – 14.20 | A.2.2. <i>Let's make our cities greener: integration of participatory approaches in strategies and concepts for urban green infrastructure in the federal system of Germany</i> Arne Kunkel |
| 14.20 – 14.30 | A.2.3. <i>Integration of climate adaptation measures in planning processes – A practice-oriented research approach</i> Andreas Putz , Simone Linke |
| 14.30 – 14.40 | A.2.4. <i>On a path to urban green infrastructure? Changes in green space planning approach in selected European cities between 2014 and 2020</i> Rieke Hansen , Marleen Buizer, Arjen Bujs, Stephan Pauleit |
| 14.40 – 14.50 | A.2.5. <i>Proposal of planning standards for green public spaces as a tool supporting sustainable development of housing estates. The example of Wrocław, Poland</i> Justyna Rubaszek , Janusz Gubański |
| 14.50 – 15.00 | A.2.6. <i>Public's concerns about zonal urban plans: a focus on urban green spaces</i> Andreea Raluca Slave , Cristian Iojă, Constantina Alina Hossu, Simona Raluca Grădinaru |
| 15.00 – 15.10 | A.2.7. <i>A Ride through Four Landscapes. Creating Urban Green Infrastructure by Regenerating the Old Piacenza Railway Route</i> Elena Persico , Julia Neratzia Tzortzi, Rita Maria, Cristina Luigia Musacchio |
| 15.10 – 15.30 | Discussion |



| Room 1 | Assessment & Use of the Urban Green Infrastructure I Tomasz Bergier |
|---------------|---|
| 15.45 – 15.55 | A.3.1. <i>Park availability, accessibility, and attractiveness concerning the least and most vulnerable inhabitants</i> Magdalena Biernacka , Edyta Łaskiewicz , Jakub Kronenberg |
| 15.55 – 16.05 | A.3.2. <i>The value of urban nature for health and well-being: An empirical study in three Central European cities</i> Ralf-Uwe Syrbe , Ina Neumann , Karsten Grunewald , Patrycja Brzoska , Jiří Louda , Birgit Kochan , Jan Machač , Lenka Dubová , Petr Meyer , Jan Brabec , Olaf Bastian |
| 16.05 – 16.15 | A.3.3. <i>Green areas use during a lockdown in Croatia caused by a Covid-19 pandemic</i> Ana Marija Marin , Martina Kičić , Dijana Vuletić , Silvija Krajter Ostoić |
| 16.15 – 16.25 | A.3.4. <i>Urban informal parks. The attractiveness of Warsaw wastelands in their user's eyes</i> Beata Gawryszewska , Maciej Łepkowski , Ryszard Nejman , Anna Wilczyńska |
| 16.25 – 16.35 | A.3.5. <i>Socio-cultural assessment of ecosystem services around green spaces in the rural-urban gradient of Bengaluru, India</i> Pramila Thapa , Mario Torralba , Dhanya B. , Tobias Plieninger |
| 16.35 – 16.45 | A.3.6. <i>Socio-spatial Analysis of Distribution and Accessibility of Vienna's Municipal Parks</i> Christoph Elbl , Angela Hof |
| 16.45 – 16.55 | A.3.7. <i>10 Years of Green Infrastructure Research: A Review on Strategies and Tools to Support its Operationalisation</i> Martina van Lierop , Simeon Vano , Stephan Pauleit |
| 16.55 – 17.15 | Discussion |



| Room 1 | Assessment & Use of the Urban Green Infrastructure II Doris Damyanovic & Martin Saurwein |
|---------------|---|
| 17.30 – 17.40 | A.4.1. <i>Patterns of green infrastructure use in cities using Social Media</i> Gabrielė Zabelskytė , Nadja Kabisch , Žaneta Stasiškiene |
| 17.40 – 17.50 | A.4.2. <i>Investigating park visitors' perception and vegetation preferences with the help of a photo-based mobile application survey method</i> Ronald András Kolcsár , Jürgen Breuste , Péter Szilassi |
| 17.50 – 18.00 | A.4.3. <i>Planning and Governance for Sustainable Climate-Resilient Public Open Spaces and Streetscapes</i> Doris Damyanovic , Philipp Reisinger , Karl Grimm , Florian Reinwald |
| 18.00 – 18.10 | A.4.4. <i>Assessing urban ecological space's resilience based on ecosystem service supply and demand matching: taking Shanghai as an example</i> Haixing Meng , Qingji Shen |
| 18.10 – 18.20 | A.4.5. <i>Green and blue infrastructure as part of a landscape strategy for innovating municipal spatial planning in Portugal</i> Rosário Oliveira , Filomena Farinhas |
| 18.20 – 18.30 | A.4.6. <i>Where is the forest core area? A gradient of flora in the ecotone of the urban forests</i> Beata Fornal-Pieniak , Damian Łowicki , Axel Schwerk , Junxiang Li |
| 18.30 – 18.40 | A.4.7. <i>Ecosystem services provided by urban forests in the Southern Caucasus region: a modeling study in Tbilisi, Georgia</i> Levan Alpaidze , Rocco Pace |
| 18.40 – 19.00 | Discussion |



| Symposium | BIODIVERSITY & NATURE PROTECTION IN URBAN AREAS |
|---------------|--|
| Room 2 | Urban Protected Areas in Relation to Urban Biodiversity and Ecosystem Services Jürgen Breuste |
| 11.30 – 11.40 | B.1.1. <i>Global problems and perspectives of urban protected areas</i> Jürgen Breuste , Cristian Ioja, Junxiang Li, Myla Aronson, Amy Hahs, Sarel Cilliers, Henry Garay Sarasti, Mihai Razvan Niță |
| 11.40 – 11.50 | B.1.2. <i>Nature protection becomes urban - a European perspective</i> Jürgen Breuste |
| 11.50 – 12.00 | B.1.3. <i>Plant species richness and abundance are influenced by land-use types in the urban areas</i> Junxiang Li , Meng Wang |
| 12.00 – 12.10 | B.1.4. <i>Insights about the urban protected areas in Romania</i> Athena Gârjoabă, Cerasella Crăciu, Alexandru-Ionuț Petrișor, Cristian Iojă |
| 12.10 – 12.20 | B.1.5. <i>Ecosystem services of urban woodland: A review</i> Xinyue Hu , Jürgen Breuste |
| 12.20 – 12.30 | B.1.6. <i>Outdoor recreation participation in Istanbul, Turkey: an investigation of frequency, length, travel time and activities</i> Meryem Hayir Kanat , Jürgen Breuste |
| 12.30 – 13.00 | Discussion |



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|---------------|---|
| Room 2 | Urban Wild Life Habitats I Jing Gan |
| 14.00 – 14.10 | B.2.1. <i>Avian species richness declines along a tropical urbanization gradient in Bangkok (Thailand) and possible ways for mitigation</i> Phakhawat Thaweepworadej , Karl Evans |
| 14.10 – 14.20 | B.2.2. <i>Identification and designation of critical urban wildlife habitats based on a heat map of bird species-case study of a river basin master plan in China</i> Jing Gan |
| 14.20 – 14.30 | B.2.3. <i>Local and landscape factors influence urban ground-dwelling arthropods in non-recreational green spaces</i> Jennifer Fischer , Marcela Suarez-Rubio |
| 14.30 – 14.40 | B.2.4. <i>Protection of ruderal vegetation habitats in post-industrial recreational areas as a way of increasing biodiversity through natural succession</i> Krzysztof Rostański |
| 14.40 – 14.50 | B.2.5. <i>Small animals in discarded containers – understudied ecological trap in urban forests</i> Krzysztof Kolenda , Natalia Kuśmerek, Krzysztof Kujawa, Adrian Smolis, Sebastian Salata, Konrad Wiśniewski, Tomasz K. Maltz, Mieczysław Stachowiak, Marcin Kadej |
| 14.50 – 15.00 | B.2.6. <i>Wild mammals and urbanities: Investigating human perceptions of urban wildlife for urban planning and biodiversity conversation</i> Simon Sebastian Moesch , Jonathan Jeschke, Stephanie Kramer-Schadt, Tanja Maria Straka, Dagmar Haase |
| 15.00 – 15.10 | B.2.7. <i>Ecosystem Service of Pollination</i> <i>Evaluation of potential wild bee habitats in an urban area</i> Sophie Meier , Karsten Grunewald |
| 15.10 – 15.30 | Discussion |



Room 2

Urban Wild Life Habitats II

Katarzyna Fagiewicz

- 15.45 – 15.55 B.3.1. *Growing in the city: the urban evolutionary ecology of avian growth rates*
[Michela Corsini](#), Eva Maria Schöll, Irene Di Lecce, Marion Chatelain, Anna Dubiec, Marta Szulkin
- 15.55 – 16.05 B.3.2. *Modernistic large housing estates in central Europe as urban refuges of floral biodiversity*
[Janina Borysiak](#), [Jürgen Breuste](#), Andrzej Mizgajski
- 16.05 – 16.15 B.3.3. *Biodiver-City responses to urbanization: a multi-taxon approach in a coastal Mediterranean city*
[Olga Tzortzakaki](#), Vassiliki Kati, Eleni Papadatou, Maria Panitsa, Sinos Giokas
- 16.15 – 16.25 B.3.4. *Integrated nesting aids into façades for wild bees - a case study in Stuttgart, Germany*
[Linda Meier](#), Philip Leistner
- 16.25 – 16.35 B.3.5. *Bees beneath your feet: Urban sidewalks as novel urban ecosystems and habitat for aculeate insects*
[Sophie Lokatis](#), Claudia Weber, Jonathan Jeschke
- 16.35 – 16.45 B.3.6. *The biogeophysical and socioeconomic drivers of biodiversity across metropolitan areas in North Carolina, USA*
[Sara Gagné](#), Christopher Dumas, Nikhil Kaza, Rachael Urbanek
- 16.45 – 16.55 B.3.7. *Animal-aided design-bridging the gap between landscape architecture and conservation*
[Wolfgang Weisser](#), Thomas Hauck
- 16.55 – 17.15 Discussion



Room 2

Birds in Urban Ecosystems

Péter Batáry

- 17.30 – 17.40 B.4.1. *Bird functional traits under urbanization – a meta-analysis*
[Tamás Lakatos](#), Dávid Korányi, Péter Batáry, Daniel Edward Chamberlain
- 17.40 – 17.50 B.4.2. *Changes in bird communities of different types of green infrastructures along an urbanization gradient*
[Dávid Korányi](#), Róbert Gallé, Bettina Donkó, Dan Chamberlain, Péter Batáry
- 17.50 – 18.00 B.4.3. *Multiscale effects of habitat and surrounding built-up areas on waterbird diversity in the Yangtze River Floodplain*
[Boyu Gao](#), Peng Gong, Wen Yuan Zhang, Jun Yang, Yali Si
- 18.00 – 18.10 B.4.4. *Non-linearities in birds responses across urbanization gradients: a meta-analysis*
[Péter Batáry](#), Kornelia Kurucz, Marcela Suarez-Rubio, Dan E. Chamberlain
- 18.10 – 18.20 B.4.5. *Our parks - hotspots or ecological traps for songbird migration? A bioacoustic approach employing Blackbird (*Turdus merula*) male songs.*
[Andreea Ciobota](#), Mihaela Ciobota, Dumitru Murariu
- 18.20 – 18.30 B.4.6. *Urban habitats in the landscape of Kochi city established from bird species distribution*
[Abin Joseliph](#), Samson Padayatty
- 18.30 – 19.00 Discussion



Room 4

Social Awareness Towards Urban Nature

Cigdem Coskun Hepcan

- 17.30 – 17.40 B.5.1. *How might biodiversity in cities stimulate education, and can we map this potential?*
[Laurence Jones](#), Sally Andersen, N. Bachiller-Jareno, M. Hedblom, G. Levin, J. Læssøe, F. Mårtensson, R. Lovell
- 17.40 – 17.50 B.5.2. *Perception of the urban park biodiversity by their users*
Janina Borysiak, [Małgorzata Stępniewska](#)
- 17.50 – 18.00 B.5.3. *The human perception of the bird biodiversity that inhabits a neotropical city*
[Gabriela Rosa Graviola](#), Milton Cezar Ribeiro, Joao Carlos Pena
- 18.00 – 18.10 B.5.4. *Determine the biodiversity and nature awareness of college students: the case of Evka 3 (Izmir-Turkey)*
Cigdem Coskun Hepcan, Jürgen Breuste, [Aybüke Cangüzel](#)
- 18.10 – 18.20 B.5.5. *Enhancing human-nature interactions through wild food foraging on public urban green spaces*
[Christoph Schunko](#), Anjoulie Brandner
- 18.20 – 18.30 B.5.6. *The relationship between knowing and liking for 91 urban animal species among students*
[Fabio Sweet](#), Wolfgang Weisser, Peter Noack, Thomas Hauck
- 18.30 – 19.00 Discussion



Symposium

NATURE-BASED SOLUTIONS FOR CITIES

Room 3

Concepts towards Nature-Based Solutions

Iwona Zwierzchowska

- 11.30 – 11.40 C.1.1. *Nature-Based Solutions as an ideal tool and the answer to a wide range of challenges arising from global climate change, starting with informal settlements in developing countries to the Global North cities*
[Agnieszka Dudzińska-Jarmolińska](#), Solhanlle Bonilla, Ivana Harari, Ricardo Gacitua, Michael Klafft
- 11.40 – 11.50 C.1.2. *Vulnerability, Multifunctionality, and Sustainability: Co-creation of an integrated multi-criteria decision approach for nature-based solutions*
[David Camacho](#), Johannes Langemeyer, Gara Villalba Mendez
- 11.50 – 12.00 C.1.3. *A new evaluation framework for nature-based solutions (NBS) projects based on the application of performance questions and indicators approach*
[Barbara Sowińska-Świerkosz](#), Joan Garcia
- 12.00 – 12.10 C.1.4. *Green Belt Independencia as a strategy to strengthen social-ecological peripheries in Lima, Peru*
[Taícia Helena Negrin Marques](#), Anna Zucchetti
- 12.10 – 12.20 C.1.5. *Socio-ecological networks as an opportunity to address nature, urban planning and human well-being challenges in cities: lessons learned from Bogota, Colombia*
[Juan David Amaya-Espinel](#), María Alejandra Cruz
- 12.20 – 12.30 C.1.6. *Evaluating the sensitivity of the i-Tree Eco pollution model to different pollution data inputs: A case study from Warsaw, Poland*
[Zbigniew Szkop](#)
- 12.30 – 13.00 Discussion



Room 3 **Nature-Based Solutions for Urban Water Planning and Management**
Kinga Krauze

- 14.00 – 14.10 C.2.1. *Applying socio-ecological lens to blue-green solutions in cities*
[Kinga Krauze](#), [Daria Sikorska](#), [Renata Włodarczyk-Marciniak](#)
- 14.10 – 14.20 C.2.2. *Evidence of nature-based solutions for water security in the urban context: aspect, scale, and implementation*
[Riyan Habeeb](#), [Regine Ortlepp](#), [Wolfgang Wende](#)
- 14.20 – 14.30 C.2.3. *Urban dam reservoir as a source of ecosystem services for recreational fishing*
[Barbara Sowińska-Świerkosz](#), [Jacek Rechulicz](#)
- 14.30 – 14.40 C.2.4. *Landcover based hydrological modeling and comparison between different urban areas, a case study in Szeged, Hungary*
[Ákos Kristóf Csete](#), [Ágnes Gulyás](#)
- 14.40 – 14.50 C.2.5. *The Trentino blueprint: a resilient strategy for sustainable development of marginal territories in Alpine context*
[Sara Favargiotti](#), [Margherita Pasquali](#), [Chiara Chioni](#)
- 14.50 – 15.00 C.2.6. *Multipurpose Green infrastructure to water regulation and walkability along the urbanized valley of Mandaqui creek*
[Taícia Helena Negrin Marques](#), [Maria Assunção Ribeiro Franco](#)
- 15.00 – 15.30 Discussion



Room 3 **Implementation of Nature-Based Solutions I**
Chiara Cortinovis

- 15.45 – 15.55 C.3.1. *Upscaling nature-based solutions for climate change adaptation: potential and benefits in three European cities*
[Chiara Cortinovis](#), [Peter Olsson](#), [Niklas Boke-Olén](#), [Katarina Hedlund](#)
- 15.55 – 16.05 C.3.2. *Perceptions of Nature-Based Solutions and their Barriers and Drivers for mainstreaming in South Korea*
[Sungju Han](#), [Christian Kuhlicke](#)
- 16.05 – 16.15 C.3.3. *Applicability of nature-based solutions in different urban fabrics: a case study on urban water management in three distinctive locations*
[Antti Rehunen](#)
- 16.15 – 16.25 C.3.4. *Nature-Based Solutions vs. Greenwashing? Green Space in Developers' Sales Strategies – a Case Study of Poznań*
[Anna Gałęcka-Drozda](#), [Agnieszka Wilkaniec](#), [Magdalena Szczepańska](#)
- 16.25 – 16.35 C.3.5. *Setting the Social Impact monitoring framework for NBS: methodology, drawbacks, and measurement case study from Milan*
[Israa Mahmoud](#), [Eugenio Morello](#)
- 16.35 – 16.45 C.3.6. *Nature-Based Solutions for Soil Remediation in Urban Areas: Combination of Biochar and Nanotechnology*
[Diego Baragaño](#), [Rubén Forjá](#), [Aida González](#), [Verónica Peña](#), [Ana Isabel Peláez](#), [José Luis R. Gallego](#)
- 16.45 – 16.55 C.3.7. *FAIR management of NBS intervention related monitoring data across cities*
[Herbert Haubold](#), [Andreas Littkopf](#)
- 16.55 – 17.15 Discussion



Room 3

Implementation of Nature-Based Solutions II

Davide Geneletti

- 17.30 – 17.40 C.4.1. *Simulating urban parks crowding to manage access during lockdowns*
[Davide Geneletti](#), Chiara Cortinovis, Linda Zardo
- 17.40 – 17.50 C.4.2. *Socio-ecological urban river restoration to mitigate flood risk, improve the recreational potential and provide suitable habitats: lessons learned from Munich,*
[Aude Zingraff-Hamed](#), Gerd Lupp, Stephan Pauleit
- 17.50 – 18.00 C.4.3. *Providing contact with nature for the young generation - a case study of kindergartens in Poznań, Poland*
[Iwona Zwierzchowska](#), Piotr Lupa
- 18.00 – 18.10 C.4.4. *Play-Biotopes for Children's Play and Learning*
[Fredrika Mårtensson](#), Marcus Hedblom, Åsa Ode Sang
- 18.10 – 18.20 C.4.5. *Green streets: Places for recreation during crisis time?*
[Leonie K. Fischer](#), Divya Gopal
- 18.20 – 18.30 C.4.6. *Analysis of Urban Forest Buffer Zones as a Tool of Implementation of Nature-based Solutions – a Case Study of Poznań (Poland)*
[Anna Gałęcka-Drozda](#), Leszek Bednorz
- 18.30 – 18.40 C.4.7. *Nature-Based Solution Applied on Brownfields Versus Resident's Feelings - A Summary of the Results of the First Phase of the Research*
[Barbara Vojvodíková](#), Jiří Kupka, Adéla Brázdová, Radim Fojtík
- 18.40 – 19.00 Discussion



Symposium

URBAN DEVELOPMENT AND SUSTAINABILITY

Room 4

Urbanization & Sustainability

Tomasz Kaczmarek & Łukasz Mikuła

- 11.30 – 11.40 D.1.1. *Environmental impacts of urbanization on the example of Slovakia*
[Zita Izakovičová](#), Eva Pauditšová
- 11.40 – 11.50 D.1.2. *Everything in its right place? On the Spatial Dimension of Biophilic and Biophobic Developments in Cities*
[Thilo Wellmann](#), Dagmar Haase
- 11.50 – 12.00 D.1.3. *Moscow urban growth pattern: sprawl or not?*
[Dmitry Boyko](#)
- 12.00 – 12.10 D.1.4. *Towards sustainable urban communities: a composite spatial accessibility assessment for residential suitability based on network Big Data*
[Tao Lin](#), Y. Zhao, G. Zhang, H. Ye, X. Liu, J. Liu, M. Lin
- 12.10 – 12.20 D.1.5. *Parks in context: Advancing citywide spatial quality assessments of urban green spaces using fine-scaled indicators*
[Roland Kraemer](#), Nadja Kabisch
- 12.20 – 12.30 D.1.6. *Analysis of the visibility and signal strength of the LoRaWAN network in an urbanized area on the example from the campus of the Nicolaus Copernicus University in Toruń*
[Dominika Karpińska](#), Mieczysław Kunz
- 12.30 – 13.00 Discussion



| Room 4 | Eco-Cities – Planning, Design, Development and Management Practice Cigdem Coskun Hepcan & Jürgen Breuste |
|---------------|--|
| 14.00 – 14.10 | D.2.1. <i>Which role plays wild spaces in green cities? User and management perspectives in the green city Salzburg, Austria</i> Jürgen Breuste |
| 14.10 – 14.20 | D.2.2. <i>Alley Activation as a Practical Neighborhood Sustainability Strategy: Integrating Green Energy, Rainwater Harvesting and Community-Driven Placemaking in Detroit</i> Paul Draus , Jacob Napieralski , Christopher Pannier , Korey Batey |
| 14.20 – 14.30 | D.2.3. <i>How tree canopy affects the air quality of cities: the case of Karsiyaka (Izmir-Turkey)</i> Cigdem Coskun Hepcan , Serif Hepcan |
| 14.30 – 14.40 | D.2.4. <i>Linear parks as nature-based recreation areas in metropolis cities. A case study of Istanbul</i> Meryem Hayir-Kanat , Jürgen Breuste |
| 14.40 – 14.50 | D.2.5. <i>The role of eco-city projects in the transformation of practices and institutions on stormwater – learning from existing experiences in Linz (Austria) and Toulouse (France)</i> Marc Gimenez-Maranges , Jürgen Breuste , Angela Hof |
| 14.50 – 15.00 | D.2.6. <i>Ecosystem services of urban parks: the case of Evka 3 (Izmir-Turkey)</i> Cigdem Coskun Hepcan , Aybuke Canguzel , Jürgen Breuste , Serif Hepcan |
| 15.00 – 15.30 | Discussion |



| Room 4 | Urban Ecology in the Context of Sustainability Transformations – from Concepts to Interventions Martina Artmann, Chris Ives, Markus Egermann |
|---------------|---|
| 15.45 – 15.55 | D.3.1. <i>Human-nature resonance – a relational approach to inform sustainable urban transformation</i> Martina Artmann |
| 15.55 – 16.05 | D.3.2. <i>What the Global North needs to know about Urban Ecology in the Global South</i> Marie Du Toit , Sarel Cilliers , Charlie Shackleton , Elandrie Davoren |
| 16.05 – 16.15 | D.3.3. <i>The role of spatial planning in fostering urban development and nature conservation</i> Beatriz Pierri Daunt , Luis Inostroza , Anna Hersperger |
| 16.15 – 16.25 | D.3.4. <i>Collaborative decision-making in natural resource management conflicts. Evidence from Romania</i> Constantina Alina Hossu , Cristian Ioja , Mihai Niță |
| 16.25 – 16.35 | D.3.5. <i>Interdisciplinarity and co-design in Urban Sustainability Transformations</i> Kerstin Krellenberg |
| 16.35 – 16.45 | D.3.6. <i>Urban ecology and sustainability transformations: Mapping the road ahead</i> Christopher D. Ives |
| 16.45 – 17.15 | Discussion |



Room 1

Plenary Session II

- 09.00 – 09.30 **Keynote speaker: Rudolf de Groot**
K.3. *The ecosystem promise: guidelines for its implementation in policy and practice*
- 09.25 – 09.50 **Keynote speaker: Dagmar Haase**
K.4. *Listening to the trees: A recent narrative about the power of urban forests as nature-based social-ecological solutions in cities and the risks they face*
- 09.50 – 10.00 Discussion



Symposium

GREEN INFRASTRUCTURE FOR URBAN AREAS

Room 1

Urban Green Infrastructure Planning for Climate Adaptation: Tools and Data for Decision-Support

Sabrina Erlwein, Teresa Zölch, Martina van Lierop, Stephan Pauleit

- 10.15 – 10.25 A.5.1. *Urban green in densifying cities: joint assessment of microclimate regulation on city and block level*
[Sabrina Erlwein](#), Teresa Zölch, Stephan Pauleit
- 10.25 – 10.35 A.5.2. *Identifying suitable policy instruments to promote nature-based solutions in cities: a decision tree approach*
[Davide Longato](#), Chiara Cortinovis, Mario Balzan, Davide Geneletti
- 10.35 – 10.45 A.5.3. *Assessment of the multiple benefits of nature-based solutions – an approach*
[Niklas Dahlberg](#), Mikko Huokuna, Mikko Sane, Mika Marttunen
- 10.45 – 10.55 A.5.4. *Integrating heatwaves vulnerability modeling and participatory scenario building in support of green infrastructure planning and urban sustainability*
[Lenka Suchá](#), Simeon Vaňo, Jan Geletič, Petr Bašta, Martin Jančovič, Helena Duchková, Eliška Krkoška Lorencová
- 10.55 – 11.05 A.5.5. *Mapping urban pervious surfaces and tree canopy cover by using high-resolution airborne imagery to support urban planning.*
[Anna Codemo](#), Angelica Pianegonda, Marco Ciolli, Sara Favargiotti, Rossano Albatici
- 11.05 – 11.15 A.5.6. *Public perception of outdoor thermal comfort and urban green infrastructure in a humid sub-tropical city*
[Sana Javaid](#), Stephan Pauleit
- 11.15 – 11.45 Discussion



Room 1

Society & Urban Ecosystems I

Piotr Matczak & Krzysztof Mączka

- 12.15 – 12.25 A.6.1. *Greening space – designing with the citizens the post-socialist cities towards increasing the availability and attractiveness of greenery outside urban parks*
[Renata Włodarczyk-Marciniak](#), Daria Sikorska, Agnieszka Kretek-Kamińska, Aneta Krzewińska, Kinga Krauze
- 12.25 – 12.35 A.6.2. *Developing an Environmental Justice Index in urban areas to prioritize the implementation of nature-based solutions: the case study in Las Palmas de Gran Canaria*
[Jarumi Kato Huerta](#), Davide Geneletti
- 12.35 – 12.45 A.6.3. *Quantifying the Quality and Detecting Social Inequality of Urban Parks in the Prosperous and Deprived Zones of Tabriz, Iran*
[Akbar Rahimi](#), Jürgen Breuste, Mahsa Tarashkar
- 12.45 – 12.55 A.6.4. *School greening: right or privilege? Assessing urban nature within and around primary schools of Barcelona from an environmental justice lens*
[Francesc Baró](#), David Camacho, Carmen Pérez del Pulgar, Margarita Triguero-Mas, Isabelle Anguelovski
- 12.55 – 13.05 A.6.5. *A methodological framework for assessing the equity in planning urban parks*
[Diana Andreea Onose](#), Athanasios Alexandru Gavrilidis, Simona R. Grădinaru, Gabriel Ovidiu Vânău, Ana Maria Popa, Andreea Raluca Slave
- 13.05 – 13.45 Discussion



Room 1

Society & Urban Ecosystems II

Jakub Kronenberg & Akbar Rahimi

- 14.45 – 14.55 A.7.1. *Insights of the relation between urban green infrastructure and self-perceived health of residents*
[Diana Andreea Onose](#), [Mihai Razvan Nita](#), Athanasios Alexandru Gavrilidis, Ana Maria Popa, Larissa Nicoleta Stoia
- 14.55 – 15.05 A.7.2. *Visitor's Perceptions of Eynali Urban Woodland Park in the Mountain Steppe of Tabriz, Iran*
[Akbar Rahimi](#), Jürgen Breuste, Ramin Sabouri
- 15.05 – 15.15 A.7.3. *Defining biodiversity: what do urban gardeners think?*
[Briony Norton](#), Bowen Shang, Andrew Ramsey, David Sheffield
- 15.15 – 15.25 A.7.4. *From invasion to resilience: Social perceptions of neobiota in urban ecosystems in the context of sustainability transitions*
[Katharina Kapitza](#)
- 15.25 – 15.35 A.7.5. *A multi-criteria framework for assessing energy use in socio-ecological systems*
[Oleksandr Galychyn](#), Izhar Shah, Elvira Buonocore, Pier Paolo Franzese
- 15.35 – 15.45 A.7.6. *Homo Oeconomicus and self-interest or Homo Sustinens and social and environmental responsibility – incentives to resign from traveling by car in urban ecosystems (preliminary research)*
[Monika Paradowska](#)
- 15.45 – 15.55 A.7.7. *Green Space and Mental Health in Kigali city, Rwanda: An Exploratory Study*
[Samuel Habimana](#), [Paul Draus](#), Salman Qureshi, Juliette Roddy, Emmanuel Biracyaza, Eugene Rutembesa
- 15.55 – 16.15 Discussion



| Room 1 | Urban Environmental Acupuncture – A Concept to Improve Green and Blue Infrastructure in Cities? Juliane Mathey & Anna Starzewska-Sikorska |
|---------------|---|
| 16.45 – 16.55 | A.8.1. <i>Urban acupuncture: past, present and future potential in the transition to greener cities</i> Jessica Hemingway , Peter Wirth, Juliane Mathey |
| 16.55 – 17.05 | A.8.2. <i>Application of urban environmental acupuncture in European cities – first results of SALUTE4CE project</i> Justyna Gorgoń , Anna Starzewska-Sikorska |
| 17.05 – 17.15 | A.8.3. <i>Estimating the Cooling Effect of Pocket Green Space in High-Density Urban Areas in Shanghai, China</i> Caiyan Wu , Junxiang Li |
| 17.15 – 17.25 | A.8.4. <i>Small-scale nature-based solutions cooling the neighborhood. Case study of preschools' gardens in Poznań</i> Piotr Lupa , Iwona Zwierzchowska |
| 17.25 – 17.35 | A.8.5. <i>"Futureproofing Luton": Engaging local stakeholder partners in co-producing an Air Quality Arboretum-meadow</i> Helen E. Hoyle , William Cottrill |
| 17.35 – 17.45 | A.8.6. <i>Implementation of green acupuncture concept to environmental education for primary and lower-secondary schools</i> Barbara Vojvodikova , Jiri Kupkam, Adela Brazdova |
| 17.45 – 18.15 | Discussion |



| Symposium | URBAN DEVELOPMENT AND SUSTAINABILITY |
|---------------|--|
| Room 2 | Local Climate in Cities Junxiang Li |
| 10.15 – 10.25 | D.4.1. <i>Impacts of air temperature and its extremes on human mortality in Shanghai, China</i> Xing Bi , Caiyan Wu , Chunfang Wang, Yong Wang, Xiaobao Wang, Conghe Song, Junxiang Li, Chen Fu |
| 10.25 – 10.35 | D.4.2. <i>Quantifying thermal comfort on five urban squares in a temperate climate in contrasting climatic conditions</i> Priscila Weruska Stark da Silva , Stephan Pauleit |
| 10.35 – 10.45 | D.4.3. <i>Primary Exploration about the Effect of Urban Landscape on Land Surface Temperature -A Geographically Weighted Regression Analysis of Nanjing</i> Xiao Wei , Xiaojun Wang, Hao Zou |
| 10.45 – 10.55 | D.4.4. <i>Simulating the potential of urban greenery in increasing urban outdoor comfort in high-density cities</i> Daniele La Rosa |
| 10.55 – 11.05 | D.4.5. <i>Urban Heat Island-case study in the City of Split, Croatia</i> Adriana Planinić , Lucija Kontić |
| 11.05 – 11.15 | D.4.6. <i>Urban Microclimate Regulation in the City of Tyumen: Cooling Effect</i> Liliia Sulkarnaeva |
| 11.15 – 11.45 | Discussion |



Room 2

Climate Change Adaptation and Mitigation in Cities

Damian Łowicki

- 12.15 – 12.25 D.5.1. *Cocreation for Climate Change—Needs for Actions to Vitalize Drivers and Diminish Barriers*
Piotr Lupa, Paweł Churski, [Katarzyna Fagiewicz](#), Tomasz Herodowicz, Patryk Kaczmarek, Joanna Morawska-Jancelewicz, Andrzej Mizgajski
- 12.25 – 12.35 D.5.2. *Spatially explicit and integrated assessment of groundwater recharge and cooling by evapotranspiration*
[Harald Zepp](#), Maïke Gessner
- 12.35 – 12.45 D.5.3. *Crowd-mapping supporting climate action. Case study of six pilot regions in the TeRRIFICA project*
[Piotr Lupa](#), Paweł Churski, [Katarzyna Fagiewicz](#), Tomasz Herodowicz, Patryk Kaczmarek, Joanna Morawska-Jancelewicz, Andrzej Mizgajski
- 12.45 – 12.55 D.5.4. *The adoption of Performance-based Planning for setting urban design parameters against climate changes. An urban cooling application in Milano city*
[Silvia Ronchi](#), Stefano Salata, Andrea Arcidiacono
- 12.55 – 13.05 D.5.5. *Forecasting the cooling potential and drought resistance of street trees by species' functional traits*
[Victoria Volke](#), Sonja Knapp, Uwe Schlink
- 13.05 – 13.15 D.5.6. *Urban trees as climate messengers: communicating ecosystem services with sensors and web-app*
[Carola Helletsgruber](#)
- 13.15 – 13.45 Discussion



Room 2

Dynamics of Urban Landscapes

Cristian Ioja

- 14.45 – 14.55 D.6.1. *Affordable housing and densification policies. Opportunities and threads from sprawl to compaction*
[Byron Ioannou](#), Gregoris Kalnis, Lora Nicolau
- 14.55 – 15.05 D.6.2. *Urban sprawl and compact development in the metropolitan region of Athens*
[Minas Angelidis](#)
- 15.05 – 15.15 D.6.3. *Mapping impervious surface fraction using phenology-integrated linear spectral mixture analysis based on Google Earth Engine*
[Linke Ouyang](#), [Junxiang Li](#), Ji Han Kaiyun Wang, Qian Yu, Conghe Song
- 15.15 – 15.25 D.6.4. *Quality of landscapes of small towns and its evaluation*
[Ksenia Merekalova](#), Alexander Karandeev, Tatiana Kharitonova, Dmitry Klimov, Lubov Belyaeva
- 15.25 – 15.35 D.6.5. *Identification of landscape changes and its driving forces - a case study of two urban communities in Poland*
[Piotr Krajewski](#), [Iga Solecka](#), Aleksandra Krzyżanek, Ada Garczyńska
- 15.35 – 15.45 D.6.6. *Preparing for the just transition from local economies' perspective. Belchatow Brown Coal Basin case study (central Poland)*
[Paulina Kucharska](#)
- 15.45 – 16.15 Discussion



| Symposium | FOOD PRODUCTION IN CITIES – URBAN AGRICULTURE |
|---------------|--|
| Room 3 | Food Production in Cities – Efficiency & Potential Silvio Caputo |
| 12.15 – 12.25 | E.1.1. <i>How efficient is urban agriculture regarding the food-energy-water nexus?</i> Erica Dorr , Baptiste Grard, Kathrin Specht, Runrid Fox-Kämper, Silvio Caputo, Lidia Poniży, Jake Hawes, Nevin Cohen, Tomasz Górecki, Benjamin Goldstein, Liliane Jean-Soro, Agnes Fargue-Lelièvre |
| 12.25 – 12.35 | E.1.2. <i>How to measure the multiple benefits of urban agriculture: a review of multi-criteria tools for the development of a UA index</i> Silvio Caputo , Erica Dorr, Benjamin Goldstein, Jason Hawes, Kathrin Specht, Chris Blythe, Nevin Cohen, Runrid Fox-Kaemper, Liliane Jean-Soro, Agnes Lilievre, Agnes Lilievre, Agnes Lilievre, Lidia Poniży |
| 12.35 – 12.45 | E.1.3. <i>Business insight: Allotment gardening as a way of making money and protecting farmland concerning a new agro-friendly trend</i> Barbara Maćkiewicz , Raúl Puente Asuero |
| 12.45 – 12.55 | E.1.4. <i>Is a city a good enough place for healthy food production? The soil quality of urban agriculture sites from Europe and the US</i> Lidia Poniży , Leszek Bednorz, Maciej Bosiacki, Baptiste Grard, Rositsa Ilieva, Liliane Jean-Soro, Tomasz Spiżewski |
| 12.55 – 13.05 | E.1.5. <i>Estimating food production in allotment gardens. A comparative study of Germany and Poland</i> Magdalena Szczepańska , Ewa Kacprzak, Barbara Maćkiewicz |
| 13.05 – 13.15 | E.1.6. <i>City region food self-sufficiency within functional urban areas vs. Metropolitan areas</i> Marta Sylla |
| 13.25 – 13.45 | Discussion |



| | |
|---------------|---|
| Room 3 | Integrated System Analysis of Urban Vegetation and Agriculture Lenka Dubová (<i>invited</i>) |
| 14.45 – 14.55 | E.2.1. <i>Urban agriculture's climate change impacts come from surprising places: a life cycle assessment of three rooftop farms</i> Erica Dorr , Christine Aubry, Benoit Gabrielle |
| 14.55 – 15.05 | E.2.2. <i>An Integrated Approach for Assessment of Benefits of Community Gardens and Their Contribution to Well Being of City Dwellers, Net Social Benefits and Members and Non-Members Perception</i> Lenka Dubová , Jan Macháč, Alena Vacková, Zuzana Štorková |
| 15.05 – 15.15 | E.2.3. <i>Food for thought: addressing urban food security risks in urban planning through urban agriculture in the Global South</i> Jorinda Steenkamp , Elizelle Juanee Cilliers, Louis Gerhardus Lategan, Sarel Stephanus Cilliers |
| 15.15 – 15.25 | E.2.4. <i>Health clinic gardens as communities of practice: stakeholders' perceptions on ecosystem services and disservices</i> Nanamhla Gwedla , Susanna Francina Cornelius, Marié J du Toit, Sarel Cilliers |
| 15.25 – 15.35 | E.2.5. <i>Designing community forest-gardens in Budapest</i> Paloma Gonzalez de Linares |
| 15.35 – 16.15 | Discussion |



| Room 3 | Ecological & Socio-Economic Benefits from Urban Agriculture Lidia Poniży |
|---------------|--|
| 15.45 – 16.55 | E.3.1. <i>Differences in motivations and social impacts across urban agriculture types: case studies in Europe and the US</i> Caitlin K. Kirby , Kathrin Specht, Runrid Fox-Kämper, Jason K. Hawes, Nevin Cohen, Silvio Caputo, Rositsa T. Ilieva, Agnès Fargue-Lelièvre, Lidia Poniży, Victoria Schoen, Chris Blythe |
| 16.55 – 17.05 | E.3.2. <i>The socio-cultural benefits of urban agriculture: a scan of the literature</i> Rositsa Ilieva , Nevin Cohen, Maggie Israel, Kathrin Specht, Runrid Fox-Kämper, Agnes Lelièvre, Lidia Poniży, Victoria Schoen, Silvio Caputo, Caitlin Kirby, Benjamin Goldstein, Chris Blythe |
| 17.05 – 17.15 | E.3.3. <i>Socio-economic and socio-ecological benefits of allotment gardens - findings from case studies in France, Poland, and Germany</i> Marco Dobrodolac , Kathrin Specht, Runrid Fox-Kaemper, Lidia Poniży, Konstancja Fedeńczak, Béatrice Bechet, Liliane Jean-Soro, Agnes Lelievre, Werner Heidemann |
| 17.15 – 17.25 | E.3.4. <i>The social and environmental value of public urban food forests: The case study of the Picasso Food Forest in Parma, Italy</i> Francesca Riolo |
| 17.25 – 17.35 | E.3.5. <i>Analyzing Potential User Groups and their Needs for an Urban Food Forest in Berlin</i> Luisa Gedon , Jennifer Schulz, Torsten Lipp |
| 17.35 – 17.45 | E.3.6. <i>What are the potential ecological and economic impacts of edible green spaces in cities? Example of a community garden in Vienna, Austria</i> Stefan Schweiger , Susanne Kummer, Benjamin Waltner, Isabella Gusenbauer, Thomas Drapela, Helena Sánchez, Florian Reinwald, Roswitha Weichselbaumer |
| 17.45 – 18.45 | Discussion |



| Symposium | ECOSERV 2021 |
|---------------|---|
| Room 4 | Services of different ecosystems Małgorzata Stępniewska & Andrzej Mizgajski |
| 10.15 – 10.25 | F.1.1. <i>Services of different ecosystems – an attempt to overcome silo approaches</i> Małgorzata Stępniewska , Andrzej Mizgajski |
| 10.25 – 10.35 | F.1.2. <i>Mapping freshwater ecosystem services related to hydrological cycle – review of approaches and their applicability in Poland</i> Kamila Belka , Kinga Krauze, Elżbieta Antczak, Iwona Wagner, Renata Włodarczyk-Marciniak |
| 10.35 – 10.45 | F.1.3. <i>Erosion control ecosystem service by vegetation with neophytes <i>rosa rugosa</i> thunb. and <i>salix acutifolia</i> willd. in the Southern Baltic Coast (Poland)</i> Janina Borysiak , Paweł Czyryca , Małgorzata Stępniewska |
| 10.45 – 10.55 | F.1.4. <i>Differences between supply and demand for ES provided by trees in rural and urban municipalities – case studies of Nysa and Racibórz in Poland</i> Marcin Mielewczyk , Patrycja Przewoźna , Krzysztof Mączka , Adam Inglot , Piotr Matczak |
| 10.55 – 11.05 | F.1.5. <i>Ranking ecosystem services delivered by trees in urban and rural areas - case studies of Racibórz and Nysa in Poland</i> Patrycja Przewoźna , Mączka Krzysztof , Marcin Mielewczyk , Adam Inglot , Piotr Matczak |
| 11.05 – 11.15 | F.1.6. <i>Restoration of post-mining landscape vs ecosystem services recognition and assessment</i> Katarzyna Fagiewicz |
| 11.15 – 11.25 | F.1.7. <i>The link between a high-mountain community and ecosystem services of juniper forests in the Fann Mountains (Tajikistan)</i> Oimahmad Rahmonov , Anna Abramowicz , Katarzyna Pukowiec-Kurda , Katarzyna Fagiewicz |
| 11.25 – 11.45 | Discussion |



Room 4

Ecosystem Services in Environmental Management & Planning

Harald Zepp & Luis Inostroza

- 12.15 – 12.25 F.2.1. *Strategic urban greenspace pattern optimization for overland flow mitigation: improvement of ecosystem service supply as an approach*
[Ming Qiu](#), Min Wang, Harald Zepp
- 12.25 – 12.35 F.2.2. *Urban-Rural Interlinkage – Urbanization dynamics and its implications on land-use change and ecosystem services in Huangyan /Taizhou, China*
[Suili Xiao](#), Wolfgang Wende, Ralf-Uwe Syrbe, Till Fügner
- 12.35 – 12.45 F.2.3. *Ecosystem services application in the context of environmental-ecosystem accounting*
[Marta Sylla](#)
- 12.45 – 12.55 F.2.4. *Assessing the sustainability of Slovak cities with the ecosystem services approach*
[Peter Mederly](#), Simon Vaňo, Denis Michalina, Michal Ševčík
- 12.55 – 13.05 F.2.5. *Conceptualizing demand for ecosystem services – an adapted spatial-structural approach*
[Claudia Dworczyk](#), Benjamin Burkhard
- 13.05 – 13.15 F.2.6. *Rooftop Greenery in Ecological Urban Renewal of Shanghai: Regulation, Practice, and Performance*
[Nannan Dong](#), Shuangrui Zhao
- 13.15 – 13.25 F.2.7. *Peri-Urban Organic Waste Values for Green Infrastructure*
[Susanne Hartard](#), P. Fu, H. Hahn, L. Zhou, M. Narra, V. Shettigondahalli Ekanthalu, M. Nelles
- 13.25 – 13.45 Discussion



Room 4

Ecosystem services in urban areas I

Angela Hoff

- 14.45 – 14.55 F.3.1. *Assessment of ecosystem services at urban site-level – Methodological steps and development of an online tool for measure planning*
[Patrycia Brzoska](#), Karsten Grunewald
- 14.55 – 15.05 F.3.2. *An indicator-based approach for the development of an app as an information and decision support system for urban green space users*
[Celina H. Stanley](#), Kerstin Krellenberg, Martina Artmann, Robert Hecht, Patrycia Brzoska, Sercan Cakir
- 15.05 – 15.15 F.3.3. *The value of doing nothing – how informal green spaces can provide comparable ecosystem services to cultivated urban parks*
Piotr Sikorski, Beata Gawryszewska, [Daria Sikorska](#), Jarosław Chormański, Axel Schwert, Agata Jojczyk, Wojciech Ciężkowski, Piotr Archiciński, Maciej Łepkowski, Izabela Dymitryszyn, Arkadiusz Przybysz, Marzena Wińska-Krysiak, Barbara Zajdel, Jarosław Matusiak, Edyta Łaskiewicz
- 15.15 – 15.25 F.3.4. *Assessment of the perceived quality of green spaces to derive green space supply for a balanced green space planning*
[Celina H. Stanley](#)
- 15.25 – 15.35 F.3.5. *Accessibility to urban ecosystems services and functions in contemporary cities - A spatial Perspective*
[Daniele La Rosa](#)
- 15.35 – 15.45 F.3.6. *Targeting spontaneous vegetation of informal green spaces to enhance ecosystem services delivery in cities.*
[Piotr Archiciński](#), Piotr Sikorski, Daria Sikorska
- 15.45 – 16.15 Discussion



Room 4

Ecosystem services in urban areas II

Marek Degórski

- 16.45 – 16.55 F.4.1. *Operationalization of the ES concept for urban ecosystems – challenges from the Polish perspective*
[Marek Degórski](#), Andrzej Affek, Bożena Degórska, Anna Kowalska, Edyta Regulska, Jerzy Solon, Jacek Wolski
- 16.55 – 17.05 F.4.2. *Ecosystem services policies and its implications for future urban planning in China – insights from the Shanghai master and Baoshan district plan*
[Matthias Falke](#), Harald Zepp, Lars Gruenhagen
- 17.05 – 17.15 F.4.3. *Contribution of urban soils for Ecosystem Services: development of a large-scale soil function assessment.*
[Martin Sauerwein](#)
- 17.15 – 17.25 F.4.4. *From landscape functions to ecosystem services and co-benefits – how can we tweak these concepts for better urban planning?*
[Rieke Hansen](#)
- 17.25 – 17.35 F.4.5. *Urban geosystem approach to the assessment of ecosystem services*
[Ksenia Merekalova](#), Alexander Karandeev, German Titov, Natalia Ilinova
- 17.35 – 17.45 F.4.6. *The perception of ecosystem services provided by blue spaces in Warsaw from users' point of view*
[Anna Wilczyńska](#), Izabela Myszka, Simon Bell
- 17.45 – 17.55 F.4.7. *Historical dynamics of carbon storage and sequestration of urban green spaces in China during 1985-2020*
[Xiangyu Luo](#), Jun Yang
- 17.55 – 18.15 Discussion



Room 2

Valuation of Socio-Cultural Services of Ecosystems

Sylvia Kulczyk

- 16.45 – 16.55 F.5.1. *How to measure cultural ecosystem services?*
Sylvia Kulczyk, Piotr Matczak, [Marta Derek](#), Alina Gerlée, Krzysztof Mączka
- 16.55 – 17.05 F.5.2. *Examining ecosystem services and disservices through deliberative socio-cultural valuation*
[Dalton Erick Baltazar](#), Marcello Di Bonito, Jillian Labadz, Roy Smith, Andrew Telford
- 17.05 – 17.15 F.5.3. *Socio-Cultural Valuation of Urban Parks: The Case of Jose Rizal Plaza in Calamba City, The Philippines*
[Dalton Erick Baltazar](#), Marcello Di Bonito, Jillian Labadz, Roy Smith, Andrew Telford
- 17.15 – 17.25 F.5.4. *Cultural ecosystem services and disservices: linking landscape and social attributes to ecotourism in protected areas*
[Raphael Ocelli Pinheiro](#), Ludwig Triest, Priscila Lopes
- 17.25 – 17.35 F.5.5. *“Been there, done that”. Cultural Ecosystem Services provided by green areas along urban–periurban wilderness continuum*
[Sylvia Kulczyk](#), Tomasz Grzyb, Edyta Woźniak, Marta Derek
- 17.35 – 17.45 F.5.6. *Re-naturalizing the industrial city. Cultural ecosystem services in the Quarry Park*
[Marco Tononi](#), Antonella Pietta
- 17.45 – 17.55 F.5.7. *Usability mapping: Participatory technique to integrate expert knowledge about supply and demand related to ecosystem services*
Péter Palásti, [Márton Kiss](#), Ágnes Gulyás, Éva Kerepeczki, Béla Halasi-Kovács
- 17:55 – 18:45 Discussion



Room 1

Plenary Session III

09.30 – 09.55

Keynote speaker: Weiqi Zhou

K.5. *Quantifying spatial heterogeneity of urban landscapes and its effects on urban climate*

09.55 – 10.20

Keynote speaker: Russell Galt

K.6. *Seven imperatives for ecological urbanism*

10.20 – 10.30

Discussion



Room 3 - Poster session 1. Biodiversity & Nature Protection in Urban Areas

P 1.1.

Changes in the taxonomic composition of water frog populations: similar patterns in urban and rural landscapes

Krzysztof Kolenda, Mikołaj Kaczmarski, Joanna Żurawska, Maria Ogińska

P 1.2.

From small invertebrates to large carnivores – understanding the effect of discarded containers on animals by using data from online media

Monika Pawlik, Krzysztof Kolenda, Natalia Kuśmerek, Adrian Smolis, Marcin Kadej

P 1.3.

Managing public urban green spaces for increased human-wild plant interaction through urban wild food foraging

Anjoulie Brandner, Christoph Schunko

P 1.4.

The role of cultivated green areas and wastelands in river valleys for the protection of bee resources in urban environments

Anna Sobieraj-Betlińska, Lucyna Twerd

P 1.5.

Water infiltration trenches and basins as new habitats for wild bees (Apiformes) in urban ecosystems

Lucyna Twerd, Anna Sobieraj-Betlińska, Barbara Kilińska, Józef Banaszak



Room 3 - Poster session 2. Climate Change & Green Infrastructure in the Urban Areas

P 2.1.

A pragmatic approach to localize and prioritize opportunity spaces for roof greening to mitigate urban heat islands – a case study for Krefeld, Germany

Jana Brenner, Stefan Schmidt

P 2.2.

Functional and spatial importance of historical parks in the present urban structure on the example of Lublin, Lviv, and London

Piotr Kulesza, Magdalena Lubiarz, Lidiya Dubis, Marek Solski, Piotr Kociuba

P 2.3.

Mechanism of urban ecological space reconstruction based on Social-Ecological System framework: A case study of Mu-Yan waterfront scenery area in Nanjing

Tong Zhang, Shuang Chen

P 2.4.

Optimum plantation arrangement to enhance outdoor thermal comfort in humid sub-tropical urban settings

Sana Javaid, Hala Mohamed, Stephan Pauleit

P 2.5.

Local Strategy for Adaptation to Climate Change and Mitigation Measures of the City of Tišnov

Jiří Schneider, Pavel Fic, Alice Kozumplíková, Ludmila Floková



Room 3 - Poster session 3. Urban Environment & Life Quality

P 3.1.

E-participation as a creating factor of sustainable development in the smart city 3.0 concept

Patrycja Szarek-Iwaniuk

P 3.2.

Impact of Covid-19 lockdown on air pollution in Wrocław

Joanna Kamińska, Tomasz Turek

P 3.3.

Soil quality as a key factor in producing vegetables for home consumption – a case study of urban allotments in Gorzów Wielkopolski (Poland)

Maciej Bosiacki, Leszek Bednorz, Konstancja Fedeńczak, Tomasz Górecki, Lidia Poniży, Tomasz Śpiżewski

P 3.4.

Game-based learning evidence of educational ecosystem services provisioning

Ewa Trzaskowska, Szymon Chmielewski, Agnieszka Kułak, Malwina Michalik-Śnieżek

P 3.5.

Involving local residents in rainwater management

Jerome Champres, N. Le Nouveau, M. Degrave, M. Saulais

P 3.6.

Urban grasslands soils: effect of grassland type and their location

Hassanali Mollashahi, Magdalena Szymura, Tomasz H. Szymura



Poster presentations

Room 3 - Poster session 4. Urban Planning & Development

P 4.1.

Cultural and historical landscapes as a critical element in the environmental framework of historical cities (on the example of Moscow)

Viacheslav Nizovtsev, Natalia Erman

P 4.2.

Gene flow, ecosystem service, and urban planning in a Brazilian city

Franco Souza, Victor Rezende, Aline Lorenz

P 4.3.

Spatial development as a driver of ecosystem change in the urbanized catchment: The case of Różany Strumień in Poznań, Poland

Daria Łechtańska

P 4.4.

Spatial development of urbanized areas as a determinant of changes in the city landscape – residential areas located in the lake district case study

Patrycja Szarek-Iwaniuk, Adam Senetra

P 4.5.

The smart city idea from a bottom-up perspective. Insights from Bydgoszcz

Justyna Chodkowska-Miszczyk, Agata Lewandowska



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Ministry
of Education
and Science

Konferencja Third World Conference of the Society for Urban Ecology 2020/21
CITIES AS SOCIAL ECOLOGICAL SYSTEMS - zadanie finansowane ze środków
Ministra Edukacji i Nauki przeznaczonych z programu Doskonała Nauka.

