



CLAIRO CONFERENCE:

LIVABLE AND CLIMATE RESILIENT EUROPEAN CITIES

22
MARCH

We are delighted to invite you to the online **CLAIRO conference: Livable and climate resilient European cities**. The conference is being organized by the City of Ostrava, the coordinating partner of the CLAIRO project. It will take place on **22 March from 9:30 a.m. via ZOOM**.

If you are interested in participating, please complete the registration form, which is available by clicking on this [link](#). The deadline for registration is Monday 21 March 2022. The conference language will be English. Participation is free of charge. If you have any questions, please do not hesitate to contact us by e-mail at conference@ostrava.cz.

We look forward to seeing you!



www.clairo.ostrava.cz

CLAIRO (Clear AIR and CLimate Adaptation in Ostrava) is a research project focusing on air quality. Through this project, we are trying to demonstrate that systematic reductions in air pollution can be achieved by planting appropriate greenery with a carefully planned structure, supported by special treatment methods.

The conference will present new information and forward-looking trends which will help cities become more resilient to climate change. The key topic will be the essential function of greenery in urban landscapes and its impact on air quality. In the afternoon there will be workshops presenting the main conclusions of the ongoing research within the CLAIRO project.



OSTRAVA!!!

This event is co-financed by the European Regional Development Fund via the Urban Innovative Actions initiative.

www.uia-initiative.eu

CONFERENCE PROGRAM

LIVABLE AND CLIMATE RESILIENT EUROPEAN CITIES

	SPEAKER	PRESENTATION
9:30-9:40	Kateřina Šebestov (CZ) Deputy Mayor	Introduction - CLAIRO project
9:40-10:05	Tams Kllay (HU) UIA Expert of the CLAIRO project	Improving air quality with the use of greenery
10:05-10:30	Peter Bednr (CZ) Architect, Jakub Cigler Architekti	From a 15-minute city of short distances to a 30-minute city of comfortable distances
10:30-10:40	BREAK	
10:40-11:05	Eduarda Marques da Costa (PT) Associate Professor of Institute of Geography & Spatial Planning	The role of green spaces in physical and mental health: contributes to Health Cities planning
11:05-11:30	Birgit Georgi (DE) Director of Strong Cities in a Changing Climate	Nature-based solutions: attractive options to tackle climate change impacts
11:30-11:55	Martin Vysok (SE) Landscape Architect, Edge	Bluegreengrey systems for livable and resilient ´scapes
11:55-12:15	Panel discussion	
12:15-13:15	LUNCH BREAK	
13:15-13:45	Miloř Zapletal, Vt Kařpar (CZ) Associate Professor of Environmental Studies	How to plant urban greenery for maximum pollutant capture
13:45-14:15	Jiř Blek (CZ) Air Quality Expert	How to use air quality data for greenery planting in the city
14:15-14:25	BREAK	
14:25-14:55	Karel Doleřal (CZ) Chemical Biology Expert	How to strengthen resilience of greenery with biofertilizers
14:55-15:25	Gabriela Kaluřov (CZ) Consultant and International Project Manager	How residents of the region perceive air quality and benefits of greenery
15:25-15:30	Tomř ˇech (CZ) Moderator	Conclusion

SPEAKERS



HU

TAMÁS KÁLLAY (

UIA Expert of the CLAIRO project
kallay@gmail.com

PRESENTATION: IMPROVING AIR QUALITY WITH THE USE OF GREENERY

Tamás Kállay is an expert on green spaces, air quality and sustainable resource use, working as an environmental consultant since 2002. He currently acts as the UIA Expert of the CLAIRO project, that aims at improving air quality with the use of nature-based solutions. At the same time, he is the Lead Expert of the URBACT Health&Greenspace Network that promotes health-oriented planning and management of urban green spaces. He specializes in health-oriented green space design, air quality, sustainable resource use, circular economy, and policy analysis. For 10 years he was working at the Regional Environmental Center for Central and Eastern Europe (REC), where he was the leader of the Sustainable Resource Use Topic Area. He was a contributing expert of the European Topic Centre on Sustainable Consumption and Production (ETC/SCP) of the European Environmental Agency.



CZ

PETER BEDNÁR

Architect, Jakub Cigler Architekti
pbednar@gmail.com

PRESENTATION: FROM A 15-MINUTE CITY OF SHORT DISTANCES TO A 30-MINUTE CITY OF COMFORTABLE DISTANCES

Peter Bednár is an architect and urban planner focused particularly on urban fabrics, landscapes, public spaces and popularization of urban issues. For the last nine years he has been working in the office of Jakub Cigler Architekti. Prior to that he studied and worked in the USA, The Netherlands and China for twelve years.



PT

EDUARDA MARQUES DA COSTA

Associate Professor of Inst. of Geography
eduarda.costa@campus.ul.pt

PRESENTATION: THE ROLE OF GREEN SPACES IN PHYSICAL AND MENTAL HEALTH: CONTRIBUTES TO HEALTH CITIES PLANNING

Eduarda Marques da Costa is associate professor in the Institute of Geography and Spatial Planning of University of Lisbon. The main scientific areas of interest are Regional and Urban Planning, Health cities, Cohesion Policy and Evaluation of Public Policies. Currently, besides teaching, she is coordinator of Modelling and Spatial Planning Research Group, co-coordinator of the master on Spatial Planning and Urbanism and Ad-Hoc expert in URBACT III Programme. In the last 30 years, she coordinated/participated in more than 40 projects with large participation in DG studies and ESPON Projects. Actually, she is Board Member of the IUPEA – International Urban Planning and Environment Association and CPNet of RSA and also member of EIT-Health. Since 2019, Vice-President of IGOT.



DE

BIRGIT GEORGI

Director of Strong Cities in a Changing Climate
contact@birgitgeorgi.eu

PRESENTATION: NATURE-BASED SOLUTIONS: ATTRACTIVE OPTIONS TO TACKLE CLIMATE CHANGE IMPACTS

Birgit Georgi is an experienced freelance expert in the areas of climate change adaptation, environment and integrated urban development. In this regard she works with various stakeholders at the from the local to international level. Among her clients are European Commission, Urban Innovative Action, URBACT, the Asian Development Bank, World Bank, which she consults on climate-resilient cities, urban infrastructure and nature-based solutions. At the other end, she has collaborates with stakeholders from cities directly, like with the Greater Manchester, Breda, Clermont-Ferrand, Wrocław, Valencia, or Hofheim am Taunus. From 2007–2017 she worked with the European Environment Agency, first as the project manager for urban issues, and since 2011 she has been responsible for climate change adaptation in the areas of cities and of transport. Before, she had worked as a scientific employee at the German Federal Environment Agency (1991–2007) and at the Institute for Environmental Protection of East-Germany (1989–1990).



SE

MARTIN VYSOKÝ

Landscape Architect, Edge
martin.vysoky@edges.se

PRESENTATION: BLUEGREENGREY SYSTEMS FOR LIVABLE AND RESILIENT 'SCAPES

Martin Vysoký is landscape architect that works at Swedish consultancy company Edge in Malmö. In his work focuses on multifunctional place-making of public spaces that strengthens the quality and continuity of all life. He is co-author of Livable Streets – A Handbook of Blue-green-greys systems, which was developed for nine Swedish municipalities, and which builds on many years of research and application of these systems in urban environments. In his presentation, he will speak about cross-disciplinary approach where we can learn how to integrate stormwater, vegetation and hard surfaces for transport in the same area and volume in order to increase ecosystem services and climate resilience of urban spaces.

SPEAKERS



CZ

MILOŠ ZAPLETAL (

Associate Professor of Environmental Studies
milos.zapletal@pf.slu.cz

PRESENTATION: HOW TO PLANT URBAN GREENERY FOR MAXIMUM POLLUTANT CAPTURE

Miloš Zapletal is an associate professor of environmental studies at the Institute of Physics of the Silesian University in Opava, where he lectures on environmental protection, applied ecology, atmospheric physics and nature and landscape protection. He is an internationally recognized expert in the assessment of atmospheric pollutants and their effects on natural ecosystems, human health and materials of cultural and historical monuments. He examines the impact of air pollutants on forest ecosystems in the context of climate change, acidification and eutrophication of forest ecosystems, ecosystem services and sustainable development at Global Change Research Institute CAS - Czechglobe Brno. He is the responsible solver of approximately 20 projects prepared for the Ministry of the Environment, the Ministry of Agriculture and the Technology Agency of the Czech Republic. He has published about a hundred original scientific papers. He is the author or co-author of 8 scientific monographs.



CZ

VÍT KAŠPAR

Junior Researcher
kasparvit@fzp.czu.cz

PRESENTATION: HOW TO PLANT URBAN GREENERY FOR MAXIMUM POLLUTANT CAPTURE

Vít Kašpar is currently a junior researcher at the Institute of Physics of the Silesian University in Opava, and a PhD candidate of the Department of Spatial Sciences at the Czech University of Life Sciences Prague. His research focuses mostly on environmental modelling using remote sensing techniques and statistical methods, specifically the influence of vegetation in modifying local microclimate and providing other ecosystem services. Recently, he received an international fellowship from the German Federal Environmental Foundation and the GROW programme of the Institute of Botany of the Czech Academy of Sciences. He has collaborated on 4 basic and applied research projects including one supported by the Czech Science Foundation. For his scientific publication, he was awarded by Rector's Award of the Czech University of Life Sciences Prague for doctoral students in 2021.



CZ

JIŘÍ BÍLEK

Air Quality Expert
bilek@envirta.cz

PRESENTATION: HOW TO USE AIR QUALITY DATA FOR GREENERY PLANTING IN THE CITY

Jiří Bílek is an expert in air quality measurement working on the CLAIRO project activities for VŠB - Technical University of Ostrava. His work focuses on outdoor air quality assessment using analytical and measurement techniques and subsequent data interpretation in relation to air quality. Professionally, he is also involved in the designing of air monitoring and management. Due to his long experiences gained in the Institute of Health, he also conducts health data assessments. Here he has participated in major studies and projects focusing on air quality measurement and testing of technology from around the world (USA, Australia, New Zealand, Europe). He is involved in the development of analytical methodologies, assessments and providing environmental consultancy. He is the main researcher of projects in the field of technology for the environment as well as he collaborates on EU cross-border projects.



CZ

KAREL DOLEŽAL

Chemical Biology Expert
karel.dolezal@upol.cz

PRESENTATION: HOW TO STRENGTHEN RESILIENCE OF GREENERY WITH BIOFERTILIZERS

Karel Doležal is an internationally renowned expert in the field of chemical biology working on innovative treatments of planted greenery in the CLAIRO project. He is currently working as a senior researcher and deputy head of the Department of Chemical Biology at the Faculty of Science of Palacký University Olomouc. Since 1996 he has been working as a researcher at the Laboratory of Growth Regulators at the Faculty of Science of Palacký University in Olomouc and since 1992 as a researcher at the Institute of Experimental Botany of the Czech Academy of Sciences. He works in the field of synthesis of multi-substituted purine derivatives, analytical chemistry of cytokinins and other plant hormones, immunoaffinity chromatography and mass spectrometry. He is the author or co-author of 65 granted patents and more than 176 articles in international journals.



CZ

GABRIELA KALUŽOVÁ

Consultant and International Project Manager
kaluzova@sobic.cz

PRESENTATION: HOW RESIDENTS OF REGION PERCEIVE AIR QUALITY AND BENEFITS OF GREENERY

Gabriela Kalužová works in the registered institute Smart & Open Base for Innovations in European Cities and Regions (SOBIC) since 2018 where she is responsible for the project CLAIRO. Since 2016, she is the consultant and international project manager in BeePartner where she is the manager of one-stop-shop on EU programs and other international projects. She worked in Regional Council office in the International department (2014–16), in the Managing Authority of the Regional Operation Programme where she was responsible for international exchange programme capitalising on EU good practices in sustainable mobility (2009–13). She worked as Information Officer in Europe Direct Contact centre operated by ESN in Brussels (2008–9), head of European Enterprise Network branch by Regional Chamber of Commerce (2008) and head of European Info Centre by Regional Development Agency Ostrava (2001–7).