



GREEN INFRASTRUCTURES AND URBAN FORESTS IN THE URBAN PLANNING: NEW APPROACHES AND CHALLENGES

SIDE EVENT AT THE WORLD IFLA CONFERENCE

18TH - 19TH APRIL 2016

CURIA MAXIMA

VIA CORTE D'APPELLO 16 - TORINO

ORGANISING COMMITTEE

ALESSANDRA AIRES, MUNICIPALITY OF TURIN

MARIA BEATRICE ANDREUCCI, SAPIENZA UNIVERSITY OF ROME

CARLO CALFAPIETRA, CNR-IBAF

GIUSEPPE SCARASCIA-MUGNOZZA, UNIVERSITY OF TUSCIA

LUCIA CHERUBINI, CNR-IBAF

PROGRAMME

18th April

09.00 Welcome

Piero Fassino, Mayor of Turin

Enzo Lavolta, Assessore for Green and Environment, Municipality of Turin

Enrico Brugnoli, Director Department of Earth System Science
and Environmental Technologies (CNR)

Carlo Calfapietra, CNR-IBAF, Chair of COST Action FP1204 “GreenInUrbs”

**The GreenInUrbs project “Green Infrastructure approach: linking environmental with social aspects in studying and managing urban forests”
(Chair: Carlo Calfapietra, Chair GreenInUrbs, CNR-IBAF)**

09.40 David Pearlmutter, The University of Negev, Israel, GreenInUrbs Vice-Chair

09.50 Roeland Samson, University of Antwerpen, Belgium, GreenInUrbs WG1 leader

10.00 Liz O'Brien, Forestry Commission, UK, GreenInUrbs WG2 leader

10.10 Natalie Gulsrud, University of Copenhagen, Denmark, GreenInUrbs WG3 co-leader

10.20 Coffee Break

Scientific Session

(Chair: Giovanni Sanesi, Coordinator GreenLab, University of Bari)

10.50 Christos Fragakis, Deputy Head of Unit I.3 DG Research, EU Commission,
“Promote Nature-based solutions for sustainable and resilient cities:
The EU Horizon 2020 approach”

11.10 Yonglong Lu, Co-Director of Research Center for Eco-Environmental Sciences
(RCEES), Chinese Academy of Science (CAS), China “Water and Infrastructure
Management for Greening Beijing-Zhangjiakou Metropolitan Region”.

11.30 Claudio Cecchi, Director EUROSapienza, Italy “Building institutional frameworks
for successful Nature Based Solutions”

Policy makers/ Administrators Session

**(Chair: Alice Aureli, Chief Groundwater Systems and Human
Settlements Section, UNESCO)**

11.50 Célia Blauel, Deputy Mayor of Paris, France “Green and blue infrastructures
in the city of Paris”

12.10 Maria Jaakkola, Head of the Environmental Office in the City Planning Department
of Helsinki, Finland, “Helsinki - Planning the Green and Blue Network City”

12.30 Howard Neukrug P.E., Former CEO of Philadelphia Water and Senior Fellow,
US Water Alliance, USA “Leveraging Water, Science And Politics To Create
A Green, Resilient City”

12.50 Anna Steidle, Chair World Urban Parks Europe, Germany “Why good Policy
and Administration for Green Infrastructure needs the collaboration of
Green Professionals”

- 13.10** **Francesco Rutelli**, President of the Centre for a Sustainable Future and Former Mayor of Rome, Italy “Urban greening as a fundamental instrument of conservation and transformation of our cities”
- 13.30** **Lunch (for invited people only)**
- Practitioners session**
(Chair: **Mauro Baracco**, Deputy Dean of International, School of Architecture and Design, RMIT University)
- 15.00** **Liora Meron**, Architect and Planner, Israel– “Master Plans for the Kidron/Nar and the Yarqon/Eluja Transboundary Basins - Integrative Planning”
- 15.20** **Tom Armour**, Director, ARUP, UK – “Greenprint for cities - shifting the urban nature debate”
- 15.40** **Josep Acebillo**, Architect, Architectural Systems office, Spain "Over the walls. City-region's background"
- 16.00** **Two Italian case studies:** “EXPO 2015 Milan” (**Franco Zagari**), “Torino Metropoli 2025” (**Anna Prat**)
- 16.20** **Coffee Break**
- 16.45** **Round Table**
(Chair: **Clive Davies**, Director MD2 Consulting Ltd)
- 17.45** **Conclusions of the day and planning of the second day**

19th April

- 09.00** **Participants meet in 3 separate WGs** (Scientific Community, Policy makers/administrators, Practitioners) with a Chair and Rapporteur nominated in each group and will discuss about topics raised during the first day (a list of questions to lead the discussion will be made available)
- 11.00** **Coffee Break**
- 11.30** **Plenary sessions.**
Rapporteurs will present outputs for the separate WGs.
The objective is to prepare minutes from the workshop in the form of a Roadmap to be released.
- 13.00** **Conclusions**
- 13.15** **Lunch (for invited people only)**

CHAIRS AND SPEAKERS



Carlo Calfapietra is a researcher at the Italian National Research Council (CNR), Institute of Agro-Environmental & Forest Biology (IBAF) and Lecturer in Urban Forestry at University of Tuscia. His main interests are the biosphere-atmosphere interactions and the effects of global change and air pollutants on these with a particular focus on the biogenic VOC emission both in urban and rural environments. Dr. Calfapietra has published about 70 research papers on international journals/books on these topics (H-index: 36). He is Member of the Editorial Board of several journals, Member of the Scientific Committee "Life, Environmental and Geosciences" of Science Europe, Chair of the COST Action FP1204 "GreenInUrbs" and member of the Centre of Excellence Czechglobe for the study of climate change (www.carlocalfapietra.com)



Roeland Samson obtained his PhD on measuring and modelling forest evapotranspiration (2001, Ghent University, Belgium). In 2006 he was appointed (2006) at the University of Antwerp, where he heads the Department of Bioscience Engineering. His Laboratory on Environmental and Urban Ecology deals with (1) urban ecophysiology and plant-atmosphere interactions, (2) plant-based biomonitoring of urban air pollution and (3) urban ecology; all approached from an experimental and modelling perspective. Moreover, he has major experience in citizen science projects on air quality. Air pollution monitoring focuses on particulate matter, mainly assessed via an environmental magnetic approach. He is author of about 90 peer reviewed articles, 15 defended PhDs and several national and international projects. He is actively involved in the COST-action FP1204 GreenInUrbs, leading WG1 on environmental services of urban green and forestry and implications of climate change.

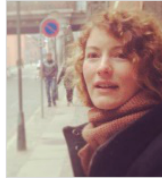


Liz O'Brien has worked for Forest Research, the research agency of the Forestry Commission in Great Britain, since 2000 and is head of the Social and Economic Research Group. Her research experience and interest concerns the cultural ecosystem services and well-being benefits that people gain from engagement with trees, woodlands and green spaces at a variety of different levels of practice from 'hands on' engagement, such as volunteering, to using and being in woodlands. This aspect of her work focuses particularly on health and restoration in terms of physical and mental health, and also on outdoor education and learning particularly through the Forest School approach to learning. Liz focuses on engagement and well-being across the urban and rural continuum. She is interested in how the benefits people gain can potentially lead to wider impacts on individual's lives, and community development and capacity.



David Pearlmutter associate professor of architecture and urban planning at the Blaustein Institutes for Desert Research of Ben-Gurion University of the Negev in Israel. His research, which addresses problems related to energy, climate and sustainable development in the built environment, has resulted in the publication over 100 books and

scientific articles on these topics as well as a number of "Best Paper" awards at international scientific conferences. These citations were given in recognition of his innovative approach to the modeling of microclimatic processes in the urban environment, and his findings regarding the impact of urban design on pedestrian thermal stress – a long-running line of research, which has focused on the efficient use of trees and green infrastructure for climatic mediation. Editor of Urban Climate News: The Quarterly Newsletter of the International Association for Urban Climate and vice-chair of the COST Action FP1204 "GreenInUrbs"



Natalie Guslrud is an Assistant Professor at the University of Copenhagen, Department of Geosciences and Natural Resource Management, Section for Landscape Architecture and Planning. Her research focuses on exploring the connections between competitive urban governance, urban sustainability and the role of urban green spaces in green infrastructure policy. Natalie has a PhD from the University of Copenhagen in urban green space governance and a Master in Public Administration from the University of Washington Evans School of Public Policy and Governance with a focus on urban sustainability



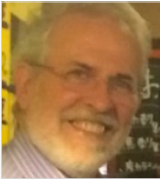
Giovanni Sanesi Full professor at the University of Bari in Forestry, Urban Forestry and Wild fires prevention. Member of the Directive Board of Italian Society of Silviculture and Forestry Ecology (SISEF). Chair of Working Group on Applied Research of World Urban Parks. He is active in Urban Forestry Unit 6.14.00 and 8.01.02

Landscape ecology of the International Union of Forest Research Organizations (IUFRO). Member of the Editorial Board of the Urban Forest and Urban Greening (Elsevier) and Italian Journal of Forest and Mountain Environments. Authors of 170 scientific paper



Christos Fragakis is Deputy Head in the Unit of Sustainable management of natural resources which is responsible for innovating with nature and cultural heritage for environmental, social and economic sustainability and resilience as part of the societal challenge 5 on Climate action, environment, resource efficiency and raw materials Project and policy

Officer in the Directorate General of Research and Innovation of the European Commission since 1987. He has been responsible for the RTD policy in a variety of sectors, such as Marine Science and Technology, Coastal engineering and protection, Integrated Coastal Zone Management, Water resources management and freshwater ecosystems and Nature-based solutions and Cultural Heritage for economic, social and environmental resilience. He did his undergraduate studies in Marine Engineering in the University of Newcastle upon Tyne (UK) and his graduate studies in Ocean Engineering at Massachusetts Institute of Technology (M.I.T), U.S.A.



Claudio Cecchi currently holds the established chair of «Political Economy of Sustainable Tourism» at the Faculty of Economics, SAPIENZA University of Rome. He is Director of the Research Centre on European, International and Development Studies (EuroSapienza). He is also faculty member of the Department of Economics and Law



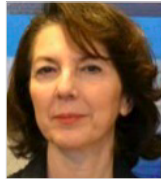
Célia Blauel Since 2014, she occupies the position of Paris Deputy Mayor of the Environment, Sustainable Development, Climate Plan for Energy, Hydric resources and counselor of Paris. In 2014, she was elected President of the Board of "Eau de Paris", municipal control of production and distribution of water in Paris. She obtained a degree from the Strasbourg

Institute of Political Studies in 2003. Member of the Green Party since 2006, she is particularly active in matters such as housing, health, and environment. She has worked for the INPES, the National Institute for Health Prevention and Education, as responsible for national communication campaigns relating to the use of alcohol, and addictions. In 2008, she was elected as counselor of the City of Paris' 14th district, assuming the delegation for green areas and mobile telephony. During her term of office, she worked for the development of community gardening and to help raising public debate on the conciliation of new technologies with health issues.



Yonglong Lu elected Fellow of TWAS (The World Academy of Sciences); past President of Scientific Committee on Problems of the Environment (SCOPE); Science Advisor, International Union for Conservation of Nature (IUCN); Member of UNEP International Resource Panel; former member, ICSU (International Council for Science) Committee on

Scientific Planning and Review; Vice President, Ecological Society of China; Chair, Committee on Ecology and Environmental Sciences, Chinese Society for Sustainable Development. He has published more than 250 papers in peer reviewed journals and authored or co-authored 16 books. He is the founding Editor-in-Chief of Ecosystem Health and Sustainability jointly appointed by the Ecological Societies of America and China, Associate Editor of Science Advances, the founder and Associate Editor of Environmental Development: Trans-disciplinary Journal of SCOPE. He has obtained various awards and honors



Alice Aureli PhD in Hydrogeology, works in the UNESCO Water Sciences Division since 1989. Chief of the Groundwater Systems and Settlements Section of UNESCO's International Hydrological Programme. Responsible for the International Shared Aquifers Resources Management (ISARM) program. This role has led her to

supervise the work of the interdisciplinary group that advised the UN International Law Commission to prepare the Draft Articles on the Law of Transboundary Aquifers. An important aspect of her work has been on scientific and policy-related issues surrounding groundwater governance and groundwater management in rural and urban areas. Author of a large number of publications she has also served as editor of various international journals. Collaboration and research interests: water security, groundwater governance and so on



Maria Jaakkola is a landscape architect (M.Sc.) with a diverse background in both private and public sectors. She works as the head of the Environmental Office in the City Planning Department of Helsinki, Finland. Leading a team of landscape architectural, architectural preservation and research expertise since 2008, she has developed the

discipline of landscape planning as an integral part of city planning, from overall land use strategies to detailed design. Jaakkola is currently working on the second phase of Helsinki Green Areas Strategy, in conjunction with the new Helsinki Master Plan, to define the future of the city's green areas network. She was recently awarded the Loeb fellowship of advanced environmental studies at the Graduate School of Design at Harvard University. Her career as an exhibiting artist has also been noted internationally, as an integral part of her endeavors as a shaper of new cities.



Howard Neukrug (hneukrug@gmail.com) is a Senior Fellow at the US Water Alliance (USWA), an Advisor to the US Environmental Protection Agency and the US Forest Service, and an adjunct professor at the University of Pennsylvania where he teaches classes on “Water, Science and Politics”, “Sustainable Cities” and “Future Trends in the Water Industry”. He most recently retired as CEO of Philadelphia Water, a \$1 Billion (USD) integrated drinking water, wastewater, stormwater and water resource public utility serving over 2 million persons in a city located between New York City and Washington, DC. The defining initiative in Howard’s tenure as CEO is his ‘Green Cities, Clean Waters’ program that places an unprecedented reliance on innovative green infrastructure to managing urban runoff – in other words, plants instead of pipes. Mr. Neukrug is a Professional Engineer, Board Certified Environmental Engineer and an Honorary Diplomat of the American Academy of Water Resources Engineers.



Anna Prat is Head of Large scale Urban Projects for the City of Torino (2011) and Director of the Associazione Torino Internazionale (2012). She assisted Mayor Piero Fassino’s administration and all key local stakeholders in developing the “Torino Metropoli 2025” strategic plan, and is currently managing the implementation process. Anna was project manager at Fimpiemonte Spa, the investment arm of the Piedmont Region. Previously, she was a Principal Associate at Locum Consulting (London), supporting business in resorts and mixed-use developments. Anna also freelanced in Torino on a variety of urban and real estate projects. At the beginning of her career, Anna worked as an economic planner for Ove Arup & partners (London) and as a project manager at Ecosfera spa (Rome). She was a University lecturer in Italy for three years on tourism destination planning. She holds a degree in Architecture and a Master in Urban and Regional Planning from the London School of Economics. She is a chartered architect and urban planner.



Liora Meron received her architectural and planning degree in 1978 from the School of Architecture and Planning at the Technion - Israel Institute of Technology - and her MA degree in 1994 from the College of Architecture, Planning and Landscape Architecture at the University of Arizona. Her work experience includes various architectural projects as well as town and environmental planning for the public and private sectors in Israel, Madrid - Spain, London, Chicago and NY.

Major projects in the last ten years in Israel include: Master Plan for the Metropolitan Area and the City of Be’er Sheva, Urban Renewal Plan of the Central Town of Be’er Sheva, and many others. In the last 4 years Liora has been invited to talk about her projects in Israel and in several universities in the US including U of Colorado-Boulder, UC Davis, UC Berkeley, and U of New Mexico.



Anna Steidle is running Dr. Steidle Consult - a consulting firm for the Management of Urban Green Areas in Cities. Educated as landscape architect she studied additional business-administration and published a Thesis about the Management of the Maintenance of Urban Green Areas well known in the German Speaking Countries, as well as several publications and presentations of applied research. She is working as a researcher for Policy and Administration of Urban Greening, and took part at several EU Cost Actions. She taught Economics of Parks at Technical University Munich, University of Applied Science Weihenstephan and is currently teaching at ZHAW Zürich/CH. She is Chair of the Europe Region of World Urban Parks, Member of the Board of World Urban Parks and Member of the Working Group for Applied Research of World Urban Parks.



Mauro Baracco PhD, architect, is an Associate Professor in the School of Architecture and Design at RMIT University, where he is the Deputy Dean of International. He is a member of the School executive committee, and D_Lab-Centre of Design Practice Research through which he leads consulting projects in partnership with industry and government bodies. He is a director of Baracco + Wright Architects. His research explores states of integration between open and built spaces, and natural and urban environments, spanning from large territorial/urban to small site scales. Mauro’s projects and writings have been widely published in books and journals (Domus, Abitare, Casabella, A+U, Transition, Architecture Australia among others), exhibited and awarded nationally and internationally and presented at conferences and symposia.



Tom Armour is a Director at Arup, and leads the landscape architecture business at Arup (which he founded in 1990). He works with clients and on projects around the world, on regional strategies, masterplanning and the design and delivery of major infrastructure projects, new parks, public realm and public spaces. works with academic institutions on research projects, and is also involved in teaching and examination work. His approach to projects and research work encompasses today’s urgent sustainability challenges; creating more liveable cities for people, designing-in resilience to climate change and promoting green + blue infrastructure, biodiversity and well-being – this approach is presented in Arup’s influential and multi award winning ‘Cities Alive’ report for which he was the lead author: www.arup.com/Homepage_Cities_Alive.aspx.



Josep Acebillo is currently a Professor at the Accademia di Architettura di Mendrisio, in which he was Dean of the Faculty during two consecutive mandates and where since 2004 he directs the Institute for the Contemporary Urban Project. From 2008 to 2011 he was directing the USUM – Urban Systems and Urban Models research project that

forms part of the SCPA (Swiss Cooperation Program in Architecture) in collaboration with Federal Institute of Technology in Zurich (ETH) and in Lousanne (EPF). Since 2010 he has been directed the five Doctoral Thesis in different research lines of Urban Studies. He also taught in several architecture schools. In 2010 he was one of the founder of Barcelona Institute of Architecture, where until 2012 he directed the Chair of Urban Design and was the member of Academic Board. In 2014 he was nominated as Honoric Professor in Kazan State University of Architecture and Engineering. He has received worldwide recognition for the positioning of the city in the international architecture scene



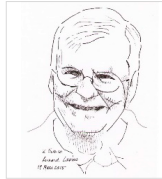
Francesco Rutelli is an Italian politician, today co-President of the European Democratic Party (member of the EP, 1999-2004); he was serving as Deputy Prime Minister and Minister for Culture and Tourism (2006-2008). Six times elected to the Italian Parliament (1983-2013), he was the first Mayor of Rome directly elected by the citizens (1993-2001), setting the record for the highest

popular vote in the history of the Italian capital city (990.000 votes). In 1989 he founded the Centro per un Futuro Sostenibile - Center for a Sustainable Future – which nowadays brings prominent Italian economists, scientists and multi-partisan politicians together promoting initiatives on global environment and Climate change. Among his environmental achievements, he was a promoter of the Montreal Treaty Ratification Bill in the Italian Parliament. He contributed to the establishment of the Valle Avertò (Venice Lagoon) and the Valli di Comacchio natural reserves and to the approval of a new Rome City Plan, dedicating over 50% of land to green and agricultural areas, and creating dozens of new public Parks. He enacted a new national Landscape Code; his Law n. 113 of 1992, mandates to plant a tree for every child born, (during his tenure as a Mayor, 120.000 trees were planted only in the City of Rome). Currently, he co-chairs at SIOI the Master in Sustainable Development, Geopolitics and Arctic Studies.



Clive Davies is an international consultant on urban forestry and green infrastructure. He is a EU Expert on Green infrastructure, Director of technoprenurial SME, MD2 Consulting Ltd, and a Research Fellow at Newcastle University, UK. He has at various times; advised, worked for or presented to UN FAO, European Commission, numerous

local municipalities, CABE and ENGOS. He has also contributed to books, organised conferences, written academic papers and given key note speeches. His experience dates back to the early 1980s when he first encountered urban forestry via urban conservation. 35 years on he now sees his main mission as passing on his Da experience to the next generation, as well as enjoying enough to fund his passion for Jazz music!



Franco Zagari, architect and landscape designer, is professor AQ of the University Sapienza, Rome. He is author of many completed projects in Italy and abroad, awarded and published, such as “Giardino Italiano” in Osaka 1990, “Piazza Montecitorio” in Rome 1998, “Les Abords de la Basilique de Saint-Denis” 2003-2007, “Piazza

Matteotti” in Catanzaro 2015, “Hortus” with Pan Associati for Expo Milano 2015 during which he was the Artistic Director for Landscape design project, “Parco della Pace” in Vicenza 2015. He is author of studies, films, researches and essays regarding landscape, such as Questo paesaggio. 48 definizioni, Rome 2006, Giardini. Manuale di progettazione, Rome 2009, Sul paesaggio. Lettera aperta, Melfi 2015, Moving Forest. Expo Milano 2015 Landscape, Melfi, 2015, Danzando con Gropius. Piazza Matteotti a Catanzaro, Melfi, 2015. Chévalier des Arts et Lettres (Ministry of Culture, France), Gubbio European Prize 2009, President of the Jury of the 6th European Landscape Biennial of Barcelona, career award RomArchitettura 2014.



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Free admittance.
For information and registration
please contact Ms. Lucia Cherubini
lucia.cherubini@ibaf.cnr.it