

---

## Contributors

---

**Jorge Humberto Amorim** is a Researcher at the Swedish Meteorological and Hydrological Institute (SMHI), in Sweden, in the air quality research team. He obtained a PhD degree in Sciences Applied to the Environment in 2008. His research is focused on the study of local scale atmospheric processes, and their influence over the transport and dispersion mechanisms of gases, particles and droplets. Topics of research include: urban air quality, human comfort, human exposure to air pollution, urban climate, urban sustainability, green infrastructures, road traffic management, wildfire smoke and aerial firefighting. He has 23 papers indexed to the Web of Science.

**Adam Barker** is a Lecturer in Environmental Planning in the Department of Planning and Environmental Management, University of Manchester, UK. He is a member of the Centre for Urban Policy Studies (CUPS) and the North West Green Infrastructure Think Tank (GRITT). He has undertaken environmental research for a wide range of funding partners. Most recently, these have included Natural England, the Royal Society for the Protection of Birds and the Department for Energy and Climate Change. He is a chartered member of the Royal Town Planning Institute (RTPI), an elected academic member of the Landscape Institute (LI) and a former Secretary of State Appointee to the Yorkshire Dales National Park.

**Sarah Burgess** is a qualified planner specialising in urban design and planning policy. She has experience in public and private practice in both Australia and the United Kingdom, working on projects and policies at local and strategic levels. Sarah is a Senior Lecturer in Health and Urban Planning at the University of the West of England (UWE), Bristol, UK. Her research interests include urban form and the quality of the urban environment and the integration of health into planning policies and processes. She is a Built Environment Expert with the Commission for Architecture and the Built Environment and an Academician with the Academy of Urbanism.

**Tom Butlin** has been GIS Coordinator at The Mersey Forest, UK since 2006. During this time he has established a reputation in the pioneering field of green infrastructure mapping, having led on the development and implementation of green infrastructure mapping methodologies for many different projects. These include the Liverpool Green Infrastructure Strategy, the Liverpool City-Region Green Infrastructure Framework, and the EU INTERREG IVB project GIFT-T!

**Tom Butterworth** works for Natural England as the Principal Advisor for Biodiversity focusing on the delivery of Biodiversity 2020: A Strategy for England's Wildlife and Ecosystem Services. Tom trained as an ecologist at Imperial College London before working in the Natural History Museum, London, on Sri Lankan snail diversity. Gaining an MSc from Plymouth University, Tom studied the interrelationships between people and woodlands. Tom has worked managing nationally and internationally important sites for wildlife; taught environmental education and countryside management skills;

and developed biodiversity strategies locally, regionally and nationally. He lives in Devon with his wife and two children.

**Carlo Calfapietra** ([www.carlocalfapietra.com](http://www.carlocalfapietra.com)) is a Researcher at the Italian National Research Council (CNR), Institute of Agro-Environmental and Forest Biology (IBAF), and his main interests are the biosphere-atmosphere interactions and effects of global change and air pollutants. His research has a particular focus on biogenic volatile organic compounds (VOC) emission both in urban and rural environments. Dr Calfapietra has published about 70 research papers in international journals/books on these topics (H-index: 31). He is a member of the Editorial Board of several journals, a member of the Scientific Committee 'Life, Environmental and Geosciences' of Science Europe and Chair of the COST Action FP1204 'GreenInUrbs'.

**Louise Chawla** is Professor Emerita in the Environmental Design Program at the University of Colorado Boulder, USA and former co-editor of the journal *Children, Youth and Environments*. Her many professional activities include serving as an Advisory Group member to the Children and Nature Network Research Center. Her work focuses on the benefits of access to nature for children, the development of active care for the natural world, and participatory methods for engaging children and youth in design and planning, as a means of civic development and education for sustainability, and to create communities that support the well-being of all ages.

**Nicole Collomb** is a chartered landscape architect and public space specialist with a degree in landscape architecture and a Master's degree in environmental psychology. As former head of public space management and skills at the Commission for Architecture and the Built Environment (CABE), in London, Nicole has played a lead role in driving national and international good practice and informing government policy on public green space planning, design and management. With over 20 years' experience as a landscape architect in the public, private and third sectors, she now manages an independent public space consultancy service.

**Annie Coombs** is a landscape architect and Fellow of the Landscape Institute, with a Master's degree in planning. She started her career on environmental regeneration projects in the public sector. She worked in Asia for over 15 years, latterly as managing director of an environmental consultancy. She now works on green infrastructure projects, is co-chair of the North West's design review panel and an examining inspector for major infrastructure. She is active in community planning, chaired a parish plan and a local area partnership environment group. She has delivered training to architects on neighbourhood planning. She volunteers on policy matters for the Landscape Institute.

**Eduardo Costa Pinto** has a degree in landscape architecture from the Higher Institute of Agronomy, University of Lisbon, Portugal. He currently collaborates with the studio Proap Italia developing research entitled 'Renaturalisation of the Landscape', under the guidance of Professor João Nunes. His professional activity started in 2007 and since then has collaborated with several studios in Portugal and Italy, including, Margem-Arquitectura Paisagista, D-RECTA Urban Management, PROAP, Promontorio Architects, PROAP Italia and Campos Costa Architects. He has been participating with

ACMA – Centre of Architecture (Milan) – since 2009, acting as a tutor in various seminars and workshops.

**Carol Dair**, BA, MPhil, DPhil, MRTPI (Ret.) was a Research Fellow with the Oxford Institute for Sustainable Development at Oxford Brookes University, UK. She is a Chartered Town Planner and has a DPhil in Science and Policy Research from Sussex University. She is an experienced researcher, previously undertaking UK Research Council funded projects relating to the sustainability of the urban environment and sustainable behaviour, and well-being. She also carried out the independent evaluation of a large HEFCE (Higher Education Funding Council for England) funded knowledge exchange project on how to build sustainable communities.

**Victoria Derr** is a Senior Instructor in the Environmental Design Program at the University of Colorado Boulder, USA. She is interested in how engagement of children and youth can contribute to more resilient, vibrant and sustainable places. Her research includes how children use biophilic spaces, participatory planning of urban spaces and natural landscapes, and people's values and relationship to the natural world. Victoria has served as co-coordinator of Growing Up Boulder since 2012.

**Kieron J. Doick** is Acting Head of the Land Regeneration and Urban Greenspace Research Group at Forest Research, UK. Kieron gained his PhD at Lancaster University studying the fate of organic contaminants in soil, before joining the Group in 2005. Kieron is an expert adviser to the Forestry Commission on brownfield land regeneration to quality greenspace. His research interests include integrated methods to monitor the impacts of greenspace establishment and the ecosystem services of urban trees and greenspace. He has a particular interest in the climate mitigation (cooling) role of urban greenspaces and methods to value ecosystem services provided by urban trees.

**Glyn Everett** has worked on social science projects around education, natural history and flooding for over ten years. He is currently a Research Fellow at the University of the West of England, UK, working in the Centre for Floods, Communities and Resilience. His time is shared between the Delivering and Evaluating Multiple Flood Risk Benefits in Blue-Green Cities project and a number of others, including Disabled People and Flood Resilience: 'Vulnerable People' or Experts? Exploring Opportunities for Knowledge-Share. As a wheelchair-user, Glyn has an active interest in exploring the position of disabled people in the built environment.

**Tom Ferguson** has worked in planning policy at The Mersey Forest, UK, since 2009. He liaises with local authorities to raise awareness of green infrastructure and help to incorporate green infrastructure and community forest objectives into local and sub-regional planning policy. Tom is a qualified planner and member of the RTPI with over 30 years of experience of policy development and implementation in local government, primarily with St Helens Council.

**Peter Freer-Smith** is Chief Scientific Adviser to the Forestry Commission, Chief Scientist of the Forestry Commission Research Agency – (Forest Research), a visiting professor in the School of Biological Sciences, University of Southampton, UK and a member of the Institute of Chartered Foresters. He is on Forest Research's Executive Board and

the Forestry Commission's Research Strategy Management Board. He is also on the Scientific Advisory Board of the European Forestry Institute Atlantic Regional Centre, the Advisory Board of the Birmingham Institute of Forest Research, Board of the European Institute for Cultivated Forests and represents the UK on the International Council of the International Union of Forestry Research Institutes (IUFRO).

**Susannah Gill** has worked at The Mersey Forest, UK, since 2006, specialising in research and development relating to green infrastructure and climate change. She was a chapter author for the Read Report, an assessment of the role of the UK's trees and woodlands in combating climate change. She led the refresh The Mersey Forest Plan and contributed to EU green infrastructure and climate change projects including CLUVA, GRaBS, GIFT-T! and ForeStClim. She was awarded European Young Urban Forester of the Year in 2014 and is an Honorary Research Fellow at the University of Manchester, where she completed her PhD.

**Carla Gonçalves** is a landscape architect (University of Porto, Portugal) and she is passionate about the relationship between landscape and spatial planning, a reason that motivated her to do a Master's in Regional and Urban Planning, at University of Aveiro. She works in the private sector and she has been following with great enthusiasm the implementation of the European Landscape Convention. As an active citizen she has been cooperating with different NGOs by encouraging citizens' participation on landscape matters.

**Clara Greed** is Emerita Professor of Inclusive Urban Planning at the University of the West of England, UK, and a Chartered Town Planner. She is particularly concerned with 'planning for everyday life', that is, meeting the needs of 'ordinary people' especially women and other groups that often do not register on the planners' radar, such as the elderly, children and those with disabilities. She has produced more than 12 books on planning issues, and many journal articles and conference papers with a particular emphasis on the social aspects of planning. She continues to campaign for the provision of public toilets and other local facilities in order to create sustainable, healthy, accessible and equitable cities.

**Sue Grimmond** is a Professor in the Department of Meteorology, University of Reading, UK. She is a past President of the International Association of Urban Climate and past Lead Expert for the World Meteorological Organization on Urban and Building Climatology. Her research focuses on energy, water and carbon exchanges in cities using measurement and modelling techniques. The importance of vegetation to all urban areas (even when a small area) has been one research focus.

**Simone Kotthaus** currently works as a post-doctoral researcher at the Department of Meteorology, University of Reading, UK, where she uses different remote sensing strategies to investigate the atmospheric boundary layer and the composition of the urban surface. Her research is generally concerned with the observation and modelling of surface-atmosphere exchanges. After studying Meteorology at the University of Cologne, she came to London to investigate the implications of the dense city centre to surface-atmosphere exchanges during her PhD at King's College London. In 2014 she spent time at Tokyo Institute of Technology as a JSPS post-doctoral research fellow.

**Jessica Lamond** is Associate Professor, Flood Risk Management in the Centre for Floods, Communities and Resilience at the University of the West of England, UK. Jessica's research focuses on structural and non-structural responses to flood risk and climate adaptation in urban settings, in particular she is currently studying the impacts of flooding in frequently flooded communities and the delivery and benefits of Blue-Green Cities. Jessica has published widely including leading journals such as *Housing Studies*, *Urban Design and Planning* and *the Journal of Risk Research*, and is joint editor for two books in the area of flooding and climate change.

**Emily Lawson** is an early career Research Fellow with a PhD in glacial geochemistry and experience in glacial science, ecology and water management. She gained her PhD from the University of Bristol, UK, in 2012 and worked as a lecturer in Physical Geography before joining the School of Geography, University of Nottingham, UK, in 2013. Emily leads and coordinates the Blue-Green Cities Research Project and is working closely with local government stakeholders in Newcastle, UK, and Portland, USA, to develop a sustainable vision for surface water and flood risk management in urban centres by maximising the opportunities to achieve multiple benefits of Blue-Green approaches.

**Fabiano Lemes de Oliveira** is a Senior Lecturer in Architecture at the University of Portsmouth, UK. His research interests focus on the relationships between modern planning ideas and landscape architecture, on theory of urban design and on history of modern architecture. One of his current research projects aims to uncover the history of the 'green wedge' idea and investigates its contemporary uses in networks of green space. He has also been investigating the roles of green and blue infrastructures in eco-city design.

**Morag Lindsay** received her PhD from Oxford Brookes University, UK in 2010. She researched 'The impact of design on privacy and social interaction in new sustainable housing developments in England and Wales'. Morag remains interested in the relationship between the design of housing and neighbourhoods, and the well-being of residents; privacy and physical health are particular foci. Other current interests include the changing nature of urban public open space and how this could affect usage; and the quantitative measurement and analysis of the built environment, using theories and methodologies such as Space Syntax.

**Sandra Manley**, a town planner by background, was a principal lecturer at the University of the West of England in Bristol, UK, for over 35 years where she taught urban design and planning and acted as associate head of the Department of Planning and Architecture. She has a special interest in equality and diversity and the design of inclusive environments and she has undertaken research and spoken at conferences on these topics, most recently in Jerusalem and Turkey. She is currently a Visiting Research Fellow at UWE.

**João Marques-da-Cruz** is a PhD candidate in 'Composizione Architettonica' at IUAV – Istituto Universitario di Architettura di Venezia, Italy. With professional activity starting in 2007 he has collaborated with Professor João Nunes/PROAP in theoretical research and development of landscape architecture projects. He is a researcher in the project 'Philosophy and Landscape' sponsored by the Foundation for Science and Technology –

FCT, and has been participating since 2009 with ACMA – Centre of Architecture (Milan) – acting as a tutor in various seminars and workshops. He is a member of the Portuguese Association of Landscape Architects (APAP).

**Ian Mell** is a Lecturer in Planning and Civic Design at the University of Liverpool, UK. His work examines the intersections of green infrastructure policy-practice in the UK, Europe and, more recently, in the USA and India, and he has written widely on the role it plays in promoting liveability. He has extensive experience of working with local planning authorities and communities developing green infrastructure projects, and was one of the main authors of the 2nd Cambridgeshire Green Infrastructure Strategy. In addition he has worked on DEFRA/Natural England and the Interreg IVB Valuing Attractive Landscapes in the Urban Economy (VALUE) projects.

**Ana Isabel Miranda** is Full Professor at the Department of Environment and Planning at the University of Aveiro, Portugal. She co-coordinates the Research Group 'Emissions, Modelling and Climate Change', mainly working in the following areas: air quality modelling, environmental impact assessment, forest fire studies, urban air quality, climate change and the health effects of air pollution. She has participated in 30 national and 20 European research projects. She was a reviewer of the FP7-ENV-2010 and 2011 Environment (including Climate Change) research applications. Her research work includes over 600 scientific and technical publications.

**Andy J. Moffat** studied Geography and Soil Science at the University of Reading, UK, and undertook research for a PhD in Geography at University College London. He joined the Forestry Commission Research Division in the 1980s and led research on land reclamation, contributing to government guidance on mineral, landfill and brownfield restoration. He has published widely on reclamation and urban regeneration and allied subjects. He was granted a Visiting Professorship at the University of Reading in 2007 and elected to the Chair of the British Land Reclamation Society in 2013. He is now Director of AJ Moffat & Associates.

**Paul Nolan**, OBE, is Director of The Mersey Forest, UK, where he has worked since 1994. Prior to this he worked in commercial forest management. He is a member of the Institute of Chartered Foresters, steering group member for the North West Forestry Framework, Chair of the National Community Forest Partnership and Sefton Coast Partnership, and assists with two Local Nature Partnerships. He sits on the Atlantic Gateway Sustainability and Environment Group, chairs and coordinates the North West Green Infrastructure Think Tank and Forum, and chaired the green infrastructure strand of Natural Economy Northwest. Paul has degrees in Forestry and Forest Products Technology.

**Clare Olver** has worked as a Project Development Officer at The Mersey Forest, UK since 2004. She has been involved in land remediation for over 25 years, previously working in the private waste sector, and has wide-ranging experience of strategic land regeneration. She has led on the development and implementation of large-scale projects for land transformation, support for the forestry sector, sustainable economic regeneration, and on the EU Interreg IVB GIFT-T! project focusing on green infrastructure planning and

delivery. She has an extensive knowledge of partnerships, organisations and landowners across North West England.

**Sarah Payne** is an early career academic based in the Department of Urban Studies and Planning at the University of Sheffield, UK. Her research focuses on examining institutional change in the real estate development industry. Her current research examines house-builder motivations and behaviour towards housing market recovery, zero carbon homes and green infrastructure. Sarah has received funding from British Academy, Economic and Social Research Council, Royal Institution of Chartered Surveyors and she has undertaken commissioned research for the Department for Communities and Local Government. Before becoming an academic, Sarah worked in the development industry as a land buyer and property consultant.

**Andreia Quintas** is a landscape architect based in Porto, Portugal. Graduating in 2006, she finished her PhD 'Design and evaluation of the Urban Green Structure' in 2013. She has worked at CIBIO/University of Porto, specialising in spatial planning, landscape evaluation, environment protection, cultural heritage and quality of life. During this time, she also collaborated with the Faculty of Sciences at the University of Porto, teaching landscape planning and geographic information systems, while undertaking consultancy work in green space design. At present, Andreia works for a private company that specialises in landscape planning and landscape design, and teaches landscape architecture in University Fernando Pessoa.

**Alessandro Rigolon** is an Assistant Professor in Urban Studies and Planning at California State University, Northridge, USA. His research focuses on access to sustainable infrastructure as an environmental justice issue, with three areas of focus: access to green infrastructure, access to sustainable transportation, and community engagement. His publications address children's access to urban parks, access to bike share infrastructure, participatory planning processes with children and youth, and mixed methods research. Alessandro has worked in community engagement projects with Growing Up Boulder at the University of Colorado Boulder during his doctoral studies.

**Sophie Rolls** is a policy officer specialising in water policy for the Department of Natural Resources and Mines, Queensland Government, Australia, after two years at Natural England. During her time in the UK she worked on a number of green infrastructure projects at different stages of development, ranging from designing evidence gathering methods through to the analysis of valuation results. She holds a Master's in Economics and a Postgraduate Diploma in Environment. For her Master's thesis Sophie investigated optimal water allocation strategies for a large aquifer in the arid Pilbara region of Western Australia. Sophie currently lives in Brisbane, Australia, with her husband and two parrots.

**Michael Short** is an urbanist interested in issues of design quality in the historic environment. He is a Senior Teaching Fellow at The Bartlett School of Planning, University College London, UK. He undertakes projects, teaching and research in two main areas. First he is interested in how design issues in such contexts are negotiated through the planning process and how they are implemented on site. Secondly, he is interested in the conservation of buildings of the recent past and the challenges that this

presents for conservation practice. As well as being a member of both the Royal Town Planning Institute and the Institute of Historic Building Conservation, he is an academician of the Academy of Urbanism.

**Paulo Silva** is an architect and Assistant Professor at the University of Aveiro, Portugal. Urban form as the result of social movements and urban law as a policy instrument are among his interests. He has over two decades of urban planning and management practice relating to informal settlements. He holds a PhD degree in environmental applied sciences – in which he researched urban form's discontinuities in the case of the Lisbon Metropolitan Area – and a Master's degree in human geography and regional and local planning.

**Eva Silveirinha de Oliveira** is a Research Fellow in Landscape Architecture at OPENspace, Edinburgh School of Architecture and Landscape Architecture (ESALA) at the University of Edinburgh, UK. She worked in landscape architecture practices in both the public and private sectors. Her research focuses on the use of outdoor spaces by immigrants, the outdoors for learning, and links between the environment and health.

**Danielle Sinnett** is an environmental scientist with expertise in green infrastructure and land regeneration. She is a Senior Research Fellow in the Centre for Sustainable Planning and Environments at the University of the West of England, Bristol, UK. Her research has focused on several aspects of the establishment of green infrastructure including regeneration of brownfield land and the relationship between vegetation and air pollution. In her PhD she developed a series of bioassays for the ecological risk assessment of contaminated sites. In addition to academic publications she has also written for a number of organisations, including the Forestry Commission, the Royal Institute of Chartered Surveyors, Living Streets and the Campaign to Protect Rural England.

**Nick Smith** is subject lead for urban planning at the University of the West of England in Bristol, UK. Before arriving at the university in 2007, he worked as a planning consultant and assisted with a variety of projects for both public and private clients across the UK. Most of these were of a strategic nature and included proposals for delivering large-scale urban extensions and free-standing settlements and the associated infrastructure required. This experience has been extended through both his teaching and research activities. Nick is a chartered and professional member of the Royal Town Planning Institute and is a fellow of the Royal Geographical Society.

**Tim Sunderland** is a Principal Specialist Economist at Natural England, a non-departmental public body sponsored by the Department for Environment Food and Rural Affairs, UK, to promote nature conservation, protect biodiversity, conserve landscape and promote access to the countryside. His previous experience includes lobbying for regeneration funding with the Alliance of Traditional Industrial Areas, managing policy for the Sector Skills Council for fashion and textiles, and representing Christian Aid. His education is from the University of Leeds (BA Development Studies and MSc Ecological Economics) and he lives in Bristol with his wife and three children.

**Matthew J. Tallis** is Lecturer in Plant and Environmental Interactions at the University of Portsmouth, UK; he also has experience of working in the grounds maintenance industry.

He has a degree in Biochemistry and Physiology (Sheffield) an MSc in Environmental Science (Aberdeen) and a PhD in tree responses to pollution (Southampton). His main interests are in understanding how plants and especially trees respond to different pollutants and how plants can offer solutions for the management of air pollution. He has also been involved in several projects to identify sustainable approaches to growing trees for bioenergy.

**Piero Toscano** is a Research Scientist at the Institute of Biometeorology National Research Council (IBMET) Florence, Italy. He has a degree in Oceanography and Meteorology (2005), a Master's degree in Applied Meteorology (2006) and a PhD in Ecology and Environmental Systems (2014). He is experienced in remote sensing techniques, instruments and applications with optical data, processing and applying satellite data, management of meteorological and micro-meteorological instrumentations, data acquisition, analysis and data processing. He has also worked in crop modelling of durum wheat growth. He has 17 peer reviewed papers, h-index = 5.

**Catharine Ward Thompson** is Professor of Landscape Architecture at the Edinburgh School of Architecture and Landscape Architecture (ESALA), Director of the OPENspace Research Centre, and Associate Dean for Research, Knowledge Exchange and Impact for the College of Humanities and Social Science at the University of Edinburgh, UK. Her research focuses on inclusive access to outdoor environments, environment-behaviour interactions, landscape design for older people, children and teenagers, and salutogenic environments.

**Katie Williams** is an urban theorist, planner and urban designer. She is Director of the Centre for Sustainable Planning and Environments at the University of the West of England, Bristol, UK. Professor Williams specialises in sustainable urban environments and has undertaken evidence-based critiques of many key urban policies, such as compact cities, brownfield development and sustainable communities. Her current research focuses on adapting suburbs for climate change and future urban forms.

**Jeffrey Wilson** is a Project Support Officer in the Land Regeneration and Urban Greenspace Research Group at Forest Research, UK. While completing his MSc in Sustainable Development at the University of Surrey during 2014, he undertook a placement with Forest Research to study ecosystem services in the context of urban woodland and apply a framework to map their provision. He has a broad range of interests within sustainability as a discipline, with a specific interest in the application of academic theory to policy development and behaviour change.

