

# Visit us at stand H130



The Trees and Design Action Group (TDAG) is a registered charity providing an open collaborative forum facilitating cross-sector and cross-disciplinary dialogue and projects promoting the role of the urban forest throughout the United Kingdom and internationally. The group shares the collective vision that the location of trees, and all the benefits they bring, can be secured for future generations through better collaboration in the planning, design, construction and management of our urban infrastructure and spaces.

The TDAG stand at ecobuild 2018 will showcase the latest work by TDAG and research partners. Specialists in their field, many of whom are contributing to Green & Blue Infrastructure seminars, will be on the stand at specified times each day to discuss their work and answer questions on a one to one basis.

## Tuesday 6th March 2018

**12.00-13.30**

### Urban Canopy Cover

**Dr Kieron Doick**, Head, Urban Forest Research Group, Forest Research. Kieron led the recent England wide urban canopy cover survey – this indicates the extent to which we need to develop tree canopy cover for future resilience in our towns and cities. This was presented at the 2017 urban tree research conference Trees, People & the Built Environment 3.

<https://www.charteredforesters.org/2017/06/urban-canopy-cover-england/>

**12.00-13.30**

### Understanding Urban Forest Evaluation Tools

**Kathryn Hand**, Urban Forest Scientist, Forest Research.

When putting the case for urban trees one of the most powerful tools is to demonstrate the quantifiable ecosystem services that trees can provide. How are tools like i-Tree Eco being used effectively in the UK, and what are they revealing about the ecosystem service value of different urban trees.

<https://www.forestry.gov.uk/fr/bee-hahflfv>

**13.30-15.00**

### The Successful Performance of Plants – Right Plant, Right Place

**Dr Tijana Blanusa**, Principal Horticultural Scientist, RHS and **Curtis Gubb**, PhD Student, University of Reading. Tijana's and Curtis' work is focusing on the performance of urban vegetation and indoor plants. Whether we are planting green roofs or hoping to improve internal air quality – how do we know that the plants we select can perform in the way intended?

<https://www.reading.ac.uk/apd/staff/t-blanusa.aspx>  
<http://qtr.rcuk.ac.uk/projects?ref=studentship-1808887>

Tijana will be presenting the latest research on plants and internal air quality in the Green & Blue Infrastructure Seminar – *Biophilic design – integrating nature into our workplaces* today (6th March) at 16.30.

**15.00-16.30**

### SuDS – Getting it Right

**Sue Illman**, PPLI, Illman-Young Landscape Design and CIC Champion for Flood Mitigation and Resilience and co-author of the CIRIA SuDS Construction Manual.

Sue Illman was one of the pioneers in recognising the central role that SuDS will play in the resilience of our towns and cities and, taking this further, recognised the importance of designing and constructing SuDS, including the incorporation of trees where appropriate, to ensure effectiveness and longevity in performance.

[https://www.ciria.org/News/CIRIA\\_news2/CIRIA\\_publishes\\_new\\_guidance\\_on\\_SuDS\\_construction.aspx](https://www.ciria.org/News/CIRIA_news2/CIRIA_publishes_new_guidance_on_SuDS_construction.aspx)

Sue will be talking about SuDS issues today (6th March) in a Green & Blue Infrastructure seminar at 13.30 and on SuDS construction on Wednesday 7th March at 10.30am and also at an ICE Infrastructure seminar programme.

**15.00-16.30**

### Riding for Tree Research – Calling all Cycling Enthusiasts

**Russell Ball and Martin Gammie**, Trustees, Fund4Trees.

Russell has been the driving force

behind the Fund4Trees' Riding for Research fundraising. He has led parties of riders and also undertaken epic journeys on his own always ending the day at a school and encouraging the children to better understand the implications of climate change and the vital role of trees. The money raised is then used to sponsor tree research. If you like to cycle and would like to be a Fund4Trees supporter, then Russell is here to discuss it with you. Martin has undertaken several of the rides and can vouch for the feeling of satisfaction on completing a ride and raising funds for such a good cause!

<https://fund4trees.org.uk/tag/russell-ball/>

**15.30-16.30**

### Planning for Residential Developments – Incorporating New, Veteran and Ancient Trees

**Richard Barnes**, Senior Conservation Adviser, The Woodland Trust. How can residential developments deliver the trees and green infrastructure that would enhance the quality of place? Why do development and infrastructure projects fail to value veteran trees and our rapidly declining areas of ancient woodland? The Woodland Trust's guidance documents will be available on the TDAG stand.

<https://www.woodlandtrust.org.uk/publications/2015/07/residential-developments-and-trees/>

<https://www.woodlandtrust.org.uk/publications/2017/09/planning-for-ancient-woodland/>

TDAG would like to thank all the participants and our sponsors for making this stand possible



---

Wednesday 7th March 2018

10.30-12.00

**How to Promote Trees to Local Authorities and the Private Sector**

**Helen Davies**, Post Graduate Researcher, Centre for Environmental Sciences, Faculty of Engineering and the Environment, University of Southampton.

While many people can see that trees have a role in the urban environment, too often the perceived problems of trees outweigh the benefits. Helen's published research project is aimed at promoting trees for local authorities and to encourage support from the private sector through public private finance systems.

[https://www.southampton.ac.uk/engineering/postgraduate/research\\_students/hjd1g15.page](https://www.southampton.ac.uk/engineering/postgraduate/research_students/hjd1g15.page)

12.00-13.30

**Understanding the Value of Trees and Finding Ways to Unlock this Value**

**Kenton Rogers**, Co-founder, Treeconomics.

There have been many reports supporting investment in urban trees such as the report from New York City that investing \$1 in trees per annum produced \$5 in quantifiable benefits. Kenton was one of the first people in the UK to recognise the value of i-Tree eco, a system developed by US Forest Services to quantify the ecosystem services provided by urban trees.

He has developed this approach for the UK both through Treeconomics and in association with Forest Research. <http://www.treeconomics.co.uk/>

Kenton Rogers will be talking about Unlocking the value of urban trees in a Green & Blue Infrastructure seminar on *Incentives and funding for green and blue infrastructure* today (7th March) at 15.00.

12.00-13.30

**Growth Rates of Urban Trees in the UK**

**Dr Madalena Vaz Monteiro**, Urban Forest Scientist, Forest Research.

Understanding and anticipating growth rates for urban trees is one of the central questions in terms of tree species selection and evaluating the ecosystem services that they will provide. Recent research assessed the growth rates of four deciduous urban tree species in five cities and related the variance in tree growth across cities to changing climatic conditions. <http://www.sciencedirect.com/science/article/pii/S161886671630245X?via%3Dihub>

<http://www.sciencedirect.com/science/article/pii/S161886671630245X?via%3Dihub>

13.30-15.00

**Using the Natural Capital Planning Tool**

**Oliver Hölzinger**, Owner, Consultancy for Environmental Economics & Policy (CEEP).

This research aimed to develop a Natural Capital Planning Tool (NCPT) allowing planners and developers to assess the impact of proposed developments and plans on the provision of 10 ecosystem services. The purpose was to devise a quick reliable, and industry acceptable, assessment methodology based on ecosystem services to better acknowledge, assess and manage the long-term impacts of proposed major developments and plans on natural capital and ecosystem services from the masterplan through a 25 year post-development period.

<http://ceep-online.co.uk/index.php/projects-a-publications/83-ncpt>

Oliver will be talking about the Natural Capital Planning Tool in a Green & Blue Infrastructure seminar on *Mainstreaming green infrastructure through natural capital-led planning* today (7th March) at 12.00.

13.30-15.00

**Nature-led Planning**

**Dr Gemma Jerome**, Project Manager, Building with Nature.

We talk about the importance of green infrastructure and nature in existing urban places as well as new developments, but do we really deliver the talk as well as we could? This project led by Gemma will help you to deliver green infrastructure that is better for water management, public safety and the health and wellbeing of individuals and communities. There is much information out there on how to do it, but it has taken this project to draw the information together into a practical guide for action. <https://www.buildingwithnature.org.uk/>

<https://www.buildingwithnature.org.uk/>

Gemma will be talking about Building with Nature in a Green & Blue Infrastructure seminar on *Mainstreaming green infrastructure through natural capital-led planning* today (7th March) at 12.00.

15.00-16.00

**First Steps in Urban Air Quality for Built Environment Practitioners**

**Professor Rob MacKenzie**, Professor of Atmospheric Science and Director BIFoR, University of Birmingham and **Dr Emma Ferranti**, NERC Knowledge Exchange Fellow, University of Birmingham.

Poor air quality in the UK is linked with 50,000 deaths every year.

The way we design our cities has the potential to improve and worsen air quality. Built environment practitioners can therefore play a key role in mitigating urban air pollution. This presentation will provide a lay introduction into air pollution and its behaviour in our 3D urban environments, and also explain how green infrastructure can improve and in certain situations worsen air quality. The Universities of Birmingham and Lancaster and the Trees and Design Action Group have collaborated to produce accessible guidance for built environment practitioners on air quality. The document is available here: <http://epapers.bham.ac.uk/3069/>

Rob and Emma will be talking about the impact on urban air quality of trees and green infrastructure in a Green & Blue Infrastructure seminar on *Integrating green and blue infrastructure for healthy streets* today (7th March) at 13.30.

16.30-17.30

**The Green Infrastructure Partnership (GIP) and PERFECT**

**Julia Thrift**, Projects and Operations Director, TCPA.

The Green Infrastructure Partnership (GIP) is hosted by the TCPA and is a rapidly growing network of more than 2,000 people and organisations that support the creation, enhancement and promotion of green infrastructure (GI) in the UK to improve quality of life, health, ecological diversity, resilience to climate change and economic attractiveness.

<https://www.tcpa.org.uk/pages/category/green-infrastructure-partnership>

PERFECT aims to improve the implementation of regional development policies and programmes, in particular investment for jobs and growth, through the integration and awareness-raising of the multiple benefits of green infrastructure by fully engaging Managing Authorities on the socio-economic benefits of Green Infrastructure to influence new projects and focusing on policy change to influence strategic investment in green infrastructure based on its multiple benefits.

<https://www.tcpa.org.uk/perfect-project>

Julia Thrift is chairing a Green & Blue Infrastructure seminar on *Incentives and funding for green and blue infrastructure* today (7th March) at 15.00.

---

Thursday 8th March 2018

10.30-11.30

**Improving Biosecurity – the Major Threat to Our Tree Resource**

**Keith Sacre**, Chair, Arboricultural Association and Director, Barcham Trees.

The evidence is mounting to show that it is now vital to understand and implement good biosecurity practices to safeguard the future of our trees from the introduction and spread of harmful organisms. This should be of particular concern to landscape architects, urban designers, highway engineers and all those engaged in producing, specifying and planting trees.

<https://www.barcham.co.uk/assets/uploads/documents/AA-Biosecurity-Policyblog.pdf>

Keith will be talking about biosecurity in a Green & Blue Infrastructure seminar on *Urban trees and their role in resilient cities* today (8th March) at 12.00.

---

12.00-13.30

**The Hidden Landscape – Green Infrastructure and the Urban Environment**

**Johanna Deak Sjöman**, Post-doctoral Researcher, Department of Landscape Architecture, Planning and Management, Swedish University of Agricultural Sciences.

Johanna's PhD thesis investigates and highlights the role of fine scale green structure in the urban landscape with regard to the regulating ecosystem services of run-off mitigation, wind speed regulation and modification to mean radiant temperatures. The aim has been to explore the potential of how seemingly fine scale green structure may contribute to regulating ecosystem services and thereby play an important role to SuDS, the urban microclimate and climate responsive design.

[https://www.researchgate.net/profile/Johanna\\_Sjoeman](https://www.researchgate.net/profile/Johanna_Sjoeman)

Johanna will be presenting her research in a Green & Blue Infrastructure seminar on *Green Infrastructure and Climate Responsive Design* today (8th March) at 10.30.

---

13.30-14.30

**The Role of Trees and Greenspaces in Urban Climate Regulation**

**Dr Madalena Vaz Monteiro**, Urban Forest Scientist, Forest Research.

Following the latest publication on the impact of greenspace size on the extent of local nocturnal air temperature cooling in London, the group is now creating a model to

assess the cumulative cooling impact of greenspaces across the whole city.

<http://www.sciencedirect.com/science/article/pii/S1618866716000285?via%3Dihub>

---

13.45-14.30

**Tree Species Selection Guide**

**Dr Andrew Hiron**, Senior Lecturer in Arboriculture and Urban Forestry, University Centre Myerscough.

All those involved with establishing trees in the urban landscape will appreciate the importance of selecting the right tree for planting projects. With the challenges of a changing climate and the challenging nature of many urban planting sites, selecting appropriate plant material has never been so important. We must plant trees capable of thriving, not just surviving. This must also be done using a diverse range of tree species so that our critical green infrastructure is resilient to the known, and unknown, threats of the future. This interactive digital guidance will be invaluable to all engaged in specifying urban trees.

[www.tdag.org.uk](http://www.tdag.org.uk)

Andrew will be presenting his tree species selection research in a Green & Blue Infrastructure seminar on *Urban trees and their role in resilient cities* today (8th March) at 12.00.

---

14.30-15.45

**Understanding the Costs and Values of Trees**

**Jeremy Barrell**, Managing Director, Barrell Tree Consultancy.

Too often urban tree management decisions making have been focused almost entirely on costs, with no balanced consideration of benefits. There are plenty of models identifying how much it costs to buy, plant, and maintain a new tree through to removal, but very few factoring in the multiple benefits that trees provide. Cases such as Sheffield show us that financial managers are exploiting this knowledge gap at the expense of communities, creating an urgent need to inject some balance into the decision-making process.

[www.barrelltreecare.co.uk](http://www.barrelltreecare.co.uk)

Jeremy will be talking about 'Tree Value – the missing metric' in a Green & Blue Infrastructure seminar on *Urban trees and their role in resilient cities* today (8th March) at 12.00.

The full ecobuild 6-8 March 2018 conference and seminar programme is available at:  
<https://www.ecobuild.co.uk/2018-knowledge-programme>

---