

MORNING SESSION	
09:35-09:45	Stage: Sponsor ads
09:40 – 09:50	Stage: Welcome Paul Lincoln and Jane Findlay CMLI PLI Landscape Institute
09:50-10:30	Stage: Session 1. Keynote: Adapting for Climate Change  Delivered by Baroness Brown, this session will focus on understanding the need to adapt to climate change, even on a 1.5 degree pathway, understanding of adaptation opportunities/impact and also the argument for and the importance of nature-based approaches in the built environment. Baroness Julia Brown, Chair of the Adaptation Committee, Committee on Climate Change  Host: Jane Findlay CMLI PLI, Landscape Institute
10:30 – 10:45	Break and Sponsor Exhibition
10:45 – 11:50	Stage: Session 2. Sustainable Planning and Design  Join expert speakers who will consider the crucial role landscape architects play in designing a sustainable future and how to plan for large scale infrastructure in the age of a climate crisis particularly from a climate change resilience assessment, air quality and zero carbon development perspective. We will also consider why material specification is at the core of sustainable design and why this needs to be carefully considered for every project. <ul style="list-style-type: none"> <li>• <b>2A. Design and the Climate and Biodiversity crisis</b>                Landscape architects have a crucial role to play in planning and designing a sustainable future but it will need radical transformation of the way we learn, think and work if we are also to tackle the immediate challenges of Climate, Biodiversity and Covid. Andrew will outline some thoughts from his work and experience and explore what opportunities there are for landscape design in future projects.                Andrew Grant, Grant Associates             </li> </ul>

	<ul style="list-style-type: none"> <li> <b>2B. Planning for Large Scale Infrastructure in the Age of a Climate Crisis</b>            Over the years, the topic of climate change has increased its prominence as a key issue in influencing sustainable development policy making. The UK National Infrastructure Commission (NIC) published its Design Principles for National Infrastructure in February 2020, to inform the design of infrastructure in the UK. One of the core design principles is the aim for UK infrastructure to be designed in such a way that helps set the trajectory for the UK to achieve net zero greenhouse gas emissions by 2050 or sooner. This session aims to inform industry professionals on climate change resilience assessment, air quality and zero carbon development for large scale infrastructure schemes.  <b>Dr Xiangyu Sheng, GL Hearn</b> </li> <li> <b>2C. Materials Matter</b>            The session will delve into the minutiae of why material specification is at the core of sustainable design and needs to be carefully considered for every project. With a focus on quality and longevity, the detail of several materials will be explained in the context both of Life Cycle Assessment and carbon (both embodied and in-use). Alongside this will be a plea for longer term thinking to avoid the current limitations around value engineering and the short-term views that prevail in our sector.  <b>Romy Rawlings CMLI, Vestre,</b> </li> </ul> <p><b>Panel Discussion – A new world - How do we adapt our practice and places in light of climate change risks?</b></p> <p><b>Host: Jane Findlay CMLI PLI, Landscape Institute</b></p>	
<p>11:50 – 12:05</p>	<p>Break and Sponsor Exhibition</p>	
<p>12:05-13:10</p>	<p><b>Stage: Session 3. Plant Health, Biosecurity and Ecosystem Change</b></p> <p>Join Dr Nigel Dunnett and this session’s panel of expert speakers debate planning, designing and managing plant health through the lens of climate adaptation. Within this session will consider priorities for a new approach to urban greening and a visual overview of a toolkit of urban interventions and new vegetation layers. We will gain understanding of pest and pathogen threats to tree health, a better understanding of the role and responsibilities of the UK Plant Health Service and increased awareness of government’s new tree planting targets and Defra’s Tree Health Resilience Strategy.</p> <ul style="list-style-type: none"> <li> <b>3A. Greening the Grey: a new way forward</b>            Large-scale, transformational greening is required to tackle the climate and biodiversity crisis, and yet, despite decades of discussion of ‘nature in cities’, ‘urban greening’ and ‘Green Infrastructure, this has yet to be the mainstream, default position. A new approach is needed that focuses on visual appeal and aesthetics; ease of implementation, establishment and maintenance; and that has proven and demonstrated ecological function. Nigel briefly discusses examples of his work with this approach, including urban roof gardens and podiums, SuDS and Green Streets,         </li> </ul>	<p><b>Sessions: 3D. Sustainable Drainage Approval Body - Experiences in first 18 months after Commencement of Schedule 3</b></p> <p>The session is split into three parts.</p> <p>Part 1 will provide an outline and overview of the Sustainable Drainage (SuDS) legislation in Wales and will introduce the Welsh Government National Standards for SuDS.</p> <p>Part 2 will use a worked example to illustrate an approach to masterplanning and outline design for development sites in accordance with the National Standards.</p> <p>Part 3 will use case studies of sites that have been approved within the first 18-months</p>

and Urban Meadows, and gives details of Sheffield's landmark 'Grey to Green' scheme (Phase 1, 2016; Phase 2, 2020)

Dr Nigel Dunnett, Greening the grey

- **3B. The Biosecurity Crisis and Tree Health**

Threats to tree health are increasing, due to the globalisation of trade and travel and climate change. There is unlikely to be any reduction in this biosecurity pressure and government works across the biosecurity continuum to screen for risks from abroad and conduct surveillance at the border and inland, to prevent the entry of pests and diseases or to detect and respond to outbreaks swiftly. Government ambitions to plant more trees to meet Net Zero targets, provide an opportunity to improve the resilience of our treescape by increasing UK production and enhancing the quality and diversity of our planting stock.

Lisa Smith, DEFRA

- **Pictorial Meadows**

Sue Frances, Pictorial Meadows

**Panel Discussion – Planning, Designing and Managing Plant Health through the lens of Climate Adaptation**

Host: Jane Findlay CMLI PLI, Landscape Institute

post commencement to illustrate some of the challenges and outcomes achieved.

Michelle Johnson, Rhodri Powell, Mark Goodger, Caerphilly, County Borough Council

Host: Paul Lincoln, Landscape Institute

AFTERNOON SESSION	
13:10-13:20	Stage: Sponsor ads
13:20-13:35	Break and Sponsor Exhibition
13:35-14:40	<p><b>Stage: Session 4. Flooding and Water management – How do we build resilience into our cities?</b></p> <p>This session will look at adapting to climate change risks through Flooding and Water Management. We will hear from Kotchakorn Vorakkhom, listed in Time as one of the 15 leading women in the fight against climate change, Scott McAuley Extinction Rebellion and expert speaker Charlotte Markey, Polypipe. We will consider how parks play a vital role as climate-resilient green spaces as buffers against the annual tempests. This session also stresses the immediacy of breaking from business-as-usual and the need to reconcile with nature, whilst showcasing engineered approaches to embedding biodiversity and climate resilience from roof to road.</p> <ul style="list-style-type: none"> <li>• <b>4A. Thirsty Parks</b> Kotchakorn Voraakhom, Landprocess</li> <li>• <b>4B. Amplifying the Alarm: Resilience, Water and Action</b> An amplification and reminder of the climate and ecological emergency siren that has been screaming for over half a century, and a call to immediate, radical action from the Anthropocene Architecture School. Responding to the climate crisis requires a reevaluation of our interventions in ecosystems, recognising systems' places in hierarchies and the variety of scales; a recognition of the impact of climate breakdown upon previously established natural cycles - this time using water as example; ways in which we can build resilience in our built environment; and an understanding of the magnitude of the climate and ecological emergency. Using water as a vehicle, this session stresses the immediacy of breaking from business-as-usual, responding to the climate crisis like it truly is a crisis and of the need to reconcile with nature, instead of continuing to work against it. Scott McAuley Anthropocene Architecture School and Extinction Rebellion</li> <li>• <b>4C. Bridging the Gap between Landscape and Engineering to Deliver Climate Resilience</b> This session will showcase engineered approaches to embedding biodiversity and climate resilience from roof to road to create smart networks of interventions. The</li> </ul>

Sessions: 4D. Designing urban parks that ameliorate the effects of climate change

- TBC

	<p>session highlights the methods by which landscape can play a pivotal role in circular economy principles and relative efficiency which are sometimes seen as separate to the way in which green and blue infrastructure is designed into a scheme</p> <p><b>Charlotte Markey – Polypipe</b></p> <p><b>Host: Jane Findlay CMLI PLI, Landscape Institute</b></p>	
<p>14:40 – 14:55</p>	<p>Break and Sponsor Exhibition</p>	
<p>14:55- 15:20</p>	<p>Stage: Closing Remarks and Reflections on the Day</p> <p><b>Dan Cook CEO</b> <b>Jane Findlay CMLI PLI</b> <b>Paul Lincoln,</b></p>	
<p>15:20 – 15:30</p>	<p>Stage: Sponsor ads</p>	