

## Healthy Plants, Healthy Places:

### Embedding biosecurity in landscape projects

14 June 2019, Kew Gardens

MORNING SESSION	
08:30 – 08:50	Registration (trade stands, coffee and networking)
08:50 – 09:00	Welcome and open remarks Adam White FLI PLI President of the Landscape Institute
Chairing, Healthy Plants, Healthy Places: Embedding biosecurity in landscape projects Dr Melanie Tuffen RHS	
Session 1 – What is biosecurity?	
09:00 – 09:15	<b>The biosecurity continuum: an introduction</b> Plants and trees are vital national assets - contributing to our food supply, rural economy and biodiversity. Discover how Defra's risk-based approach and world-leading science and research encourages a collective response to a constantly evolving threat level; one that strengthens protection, minimises impact and enhances the ability of our plants and trees to resist pressures. Lord Gardiner Defra
09:15 – 09:40	<b>Plant Health: all you need to know</b> The international plant trade means that the number of pests and diseases threatening the UK plant trade is increasing. But legislation and enforcement cannot provide a total solution. Discover how individuals and industry can - and must - work proactively and in partnership with plant health services to protect the UK's biosecurity through responsible sourcing, regulatory knowledge and up-to-date information on current threats. Helen Long APHA
09:40 – 10:05	<b>Getting to grips with good biosecurity practice</b> Landscape professionals can play a key role in biosecurity best practice, from species selection and plant establishment-friendly design to client advice and ongoing management. Learn about the key pathways of introduction and spread that landscape professionals encounter day to day, recognise the importance of cultural as well as environmental factors in influencing the damage of harmful organisms, and get to know some of the more serious plant pests and pathogens emerging today. Dr Charles Lane FERA
Session 2 – Describing and visualising biosecurity in our landscapes	
10:05 – 10:30	<b>Landscape Character Assessment: informing planning, design, and management</b> Our landscapes change over time. Landscape character assessment helps us describe and understand the 'baseline', allowing us to inform and manage that change. Landscape character assessment often informs planning policies and land use - but it can inform land management too. Discover how your work can shape strategies, guidelines and action to enhance landscape character and improve ecosystems. Christine Tudor Natural England

10:30 – 10:55	<p><b>Exploring urban and rural landscape assessments</b></p> <p>Our landscapes face continued pressures and constant change. Recording and mapping landscape change, however, is complex, and demands awareness of the modelling tools and techniques available. Find out how to model landscape change using geographic information systems (GIS), with focus on different spatial data and their strengths and limitations within both urban and rural contexts - and see how LVIA visibility analysis can help us understand the effects that loss of landscape features can have on specific locations.</p> <p><b>Dr Paul Brindley</b> University of Sheffield</p>
10:55 – 11:20	BREAK
Session 3 – Biosecurity and landscape design	
11:20 – 11:50	<p><b>Designing resilient plant communities: the Sheffield Method</b></p> <p>The award-winning work of Professors Nigel Dunnett and James Hitchmough is well publicised in projects such as the Queen Elizabeth Olympic Park and the Barbican in London or the Grey to Green scheme in Sheffield. But what is the theory behind these planting designs? Hear about the value of looking to nature for inspiration for long-term resilience and plant health, find out how to create plant communities in public projects, and examine the strengths and weakness of this approach.</p> <p><b>Dr Sally O'Halloran</b> University of Sheffield</p>
11:50 – 12:20	<p><b>Garden alchemy: lessons in plant design</b></p> <p>Plants are what create the atmosphere, the intrigue and the alchemy within a garden. Here, Sarah lifts the lid on design processes in which planting takes centre stage. Hear how Sarah uses vegetation as the building blocks for her designs, maximising plant diversity, ecological resilience and beauty to create exciting environments that are havens for both people and wildlife.</p> <p><b>Sarah Price</b> Sarah Price Landscapes</p>
12:20 – 13:00	<p><b>Plant health in urban forestry</b></p> <p>Trees contribute a range of ecosystem services in urban environments - but their capacity to contribute depends heavily on their physiological condition. Their use therefore requires careful matching and close assessment of their vulnerability to pests and diseases. Learn from several examples of ongoing research that monitors and evaluates several tree species - both common and uncommon - focusing on their ability to thrive in different urban environments and their capacity for delivering different ecosystem services.</p> <p><b>Dr Henrik Sjöman</b> Gothenburg Botanic Garden and SLU Alnarp</p>
13:00 – 13:45	LUNCH

## AFTERNOON SESSION

### Session 4 – Biosecurity: getting it right on site

13:45 – 14:30	<p><b>Administering contracts: biosecurity from nursery to landscape</b></p> <p>A presentation and Q&amp;A session, with questions led by Leeds Beckett University's Professor Alan Simson. Examine how landscape professionals can work with nurseries, addressing what to look for when inspecting stock, practices to watch out for, best practice for site visits, managing substitutions to a contract and the opportunities afforded by contract growing.</p> <p><b>Professor Alan Simson, Leeds Beckett University</b>  <b>Natalie Murray, Wardell Armstrong</b>  <b>Keith Sacre, Barcham Trees</b></p>
14:30 – 15:15	<p><b>Landscape management: planning for plant health</b></p> <p>One of the most significant challenges for tree specialists and landscape managers is creating and maintaining healthy landscapes that maximise their environmental, economic and social benefits. Hear about this topic from the perspective of an urban arboriculture and landscape manager, considering the key elements in preparing management plans for plant health. Find out about the value of tree and landscape strategies, the role of tree officers and landscape managers, and the importance of biosecurity collaboration and knowledge sharing.</p> <p><b>John Parker</b>  <b>Transport for London</b></p>
15:15 – 15:45	BREAK

### Session 5 – Working at scale

15:45 – 16:45	<p><b>Kew Gardens walking tour</b></p> <p>Kew's Arboretum is a comprehensive collection of some 14,000 hardy trees cloaking 132 hectares – boasting the largest number of Champion Trees in any garden in Great Britain or Northern Ireland. Join Kew's Head of Arboretum, Gardens and Horticulture Services Tony Kirkham on a walking tour of the Gardens, discuss how different tree families are grouped for ease of comparison and research, and examine in depth the individual merits of a number of key species.</p> <p><b>Tony Kirkham</b>  <b>RBGK</b></p>
16:45	CLOSE