

## SCAN (Street-scale Greening for Cooling and Clean Air in Cities)

### 'Green Street, Clean Air Street' Webinar

Date: 04 March 2021

UK Time: 08:00-10:00 (AM)

Australian Time: 19:00-21:00 (PM)

Co-Chairs: Professor Prashant Kumar & Professor Pascal Perez

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#### Register for the event:

<https://www.surrey.ac.uk/events/20210304-street-scale-greening-cooling-and-clean-air-cities-scan-webinar>

This event is by registration and open to all those interested.

#### Background

Street canyons are the most polluted city environments due to high traffic volumes and limited ventilation. In the COVID-19 era, urban green infrastructure (GI) is more important than ever. GI offers many benefits, including air pollution abatement. However, relationships between GI, air quality and cooling of the street environment are complex and optimal GI design remains unclear, with potential for negative repercussions. To support decision-makers and address this global need, we will develop a new framework for street-scale greening that is generic, inclusive of pollution-cooling trade-offs, evidence-based, and practicable. We will use experimental and modelling approaches, undertake trial demonstrations, and integrate results to create a collaborative platform. We will engage stakeholders, foster staff-student exchange and develop scope to leverage future funding via research proposals.

#### Scope

This webinar is an integral aspect of the SCAN project, providing an international platform for researchers to facilitate improved health and wellbeing in cities through knowledge exchange. It is an opportunity to reflect on project activities and share findings and perspectives regarding the use of green infrastructure for urban heat and air quality mitigation, particularly in street canyon environments.

<b>Time</b>	<b>Activities</b>
	<b>Welcome and introduction</b>
<b>08:00-08:05 h</b>	<b>Professor Paul Smith</b> <i>Welcome</i> <i>Pro-Vice-Chancellor, Executive Dean (FEPS), University of Surrey</i>
<b>08:05-08:10 h</b>	<b>Professor Prashant Kumar &amp; Professor Pascal Perez</b> <b><i>Brief Introduction to programme &amp; SCAN project</i></b> <i>Director, Global Centre for Clean Air Research, University of Surrey &amp; Director, SMART, University of Wollongong</i>
<b>Session 1 (Chairs: Professor Lidia Morawska)</b>	
<b>08:10-08:25 h</b>	<b>Professor Prashant Kumar</b> <b><i>Green Infrastructure and Exposure Mitigation</i></b> <i>University of Surrey, UK</i>
<b>08:25-08:40 h</b>	<b>Professor Laurence Jones</b> <b><i>The implications of rural-urban linkages for air quality at street level</i></b> <i>UK Centre for Ecology &amp; Hydrology Environment Centre Wales</i>
<b>08:40-08:55 h</b>	<b>Dr John Gallagher</b> <b><i>International Guidance for Green Infrastructure</i></b> <i>Trinity College Dublin &amp; The United States Environmental Protection Agency, USA</i>
<b>08:55-09:05 h</b>	<b>Q&amp;A</b>
<b>Session 2 (Chair: Dr Hugh Forehead)</b>	
<b>09:05-09:20 h</b>	<b>Professor Kristine French</b> <b><i>Green spaces to improve Australian cities</i></b> <i>Director, Janet Cosh Herbarium</i> <i>University of Wollongong, Wollongong, Australia</i>
<b>09:20-09:35 h</b>	<b>Associate Professor Joe Hurley</b> <b><i>Prioritising heat mitigation efforts for active travel at the city scale</i></b> <i>Centre for Urban Research</i> <i>RMIT University, Melbourne, Australia</i>
<b>09:35-09:50 h</b>	<b>Alison Haynes</b> <b><i>Small plants in the big (green) city: what role for moss?</i></b> <i>PhD Candidate</i> <i>Centre for Sustainable Ecosystem Solutions</i> <i>University of Wollongong, Wollongong, Australia</i>
<b>09:50-10:00 h</b>	<b>Q&amp;A</b>
<b>10:00 h</b>	<b>Concluding Remarks</b>