

GM GREEN SUMMIT PRE-WORKSHOP

Building a Zero Carbon Greater Manchester

V0.21 – 07-02-18

Greater Manchester has a unique opportunity – to lead the way towards a sustainable zero-carbon future, in its buildings and built environment. The city-region is already on track for its 2020 target, but the harder steps are still to come. This calls for new models for design and construction, finance and business, science and technology, social innovation and joined up governance. How to put them all together?

This workshop is a preparation for the GM Green Summit on March 21st. We will map out the key challenges and barriers for buildings and the built environment. Then we explore the opportunities and pathways – key messages for GMCA and the Mayor. This needs the expertise and experience of designers and consultants, developers and builders, researchers and innovators, managers and entrepreneurs in housing, property and infrastructure.

The University of Manchester invites you to be part of this visionary and practical agenda.

TIME & PLACE

- **Thursday 1st March, 4.00 for 4.15 – 7pm**
- UOM Renold Building room E1: Altrincham St, near Piccadilly Stn
- #8 on <http://www.manchester.ac.uk/discover/maps/interactive-map/?id=32>

OBJECTIVES:

(From Green Summit Pack)

- *Show what participants want from GM's future environment*
- *Bring people together to imagine their future, explain what they want, come up with ideas of how to change things and show their commitment*
- *Inspire others across the city to get involved and take action*
- *Highlight actions needed by public bodies, utilities, businesses and voluntary organisations to remove barriers and provide the goods and services people want:*

METHODS

- Challenge driven (based on synergistic methods): *What are the main gaps & barriers? What are the opportunities? Which ways forward & what can GM do???*
- Draw diagrams of 'the system' with problems & opportunities: arrange priority issues by importance, timescale, resources, responsibilities.
- Results collated for GMCA required format, and possible GMCA online survey
- Visual thinking with diagrams & cartoons, is strongly encouraged, with graphic facilitator.

CHALLENGES & PROVOCATIONS

- 1) social: how to end energy poverty ?? *Prof. Stefan Bouzarovski, UOM & EU Energy Poverty Observatory*
- 2) environmental: which low carbon pathways? *the SCATTER project*
- 3) innovation: what smart systems are on the horizon? *Mei Ren, Buro Happold*
- 4) technical: how to achieve low/zero carbon in buildings? *Charlie Baker, RED Coop*
- 5) delivery: how to deliver on the ground? *Louise Marix Evans & David Kemp, Procure Plus*
- 6) governance: how to build in collective intelligence?? *Joe Ravetz, UOM & GM Mini-Lab*

WORKSHOP PROGRAM & METHOD:

			METHODS
15.45	<i>Refreshments</i>		Briefing papers circulated in advance: with the Green Summit online survey - https://pollev.com/GreenSummit
16.00	Introductions	Intro around the room Intro to Green Summit (GMCA) Intro to challenges (JR)	Tables of around 6 persons, each with facilitator / rapporteur.
16.15	Provocations	<ul style="list-style-type: none"> • social • environmental • innovation • technical • delivery • governance 	Questions: <i>‘What is the nature of the challenge, what do we know so far, & which pathways to follow??’</i> <i>(4 minutes each!!)</i>
16.45	Plenary	Queries & feedback	
17.00	Table session 1:	Low carbon challenges: <ul style="list-style-type: none"> • Housing retrofit • Housing new build • Commercial property • Construction supply chain • Land & infrastructure 	Questions: <i>What are the main gaps & barriers? What are the opportunities? Which ways forward & what can GM do???</i> Each table takes on 1 challenge: ideas on post-its on flipcharts: mounted on wall in the break.
17.30	<i>Refreshments</i>	<i>cross-fertilization</i>	<i>Each table explains its ‘wall’ to others & gathers more ideas.</i>
17.50	Table session 2:	Delivery challenges: <ul style="list-style-type: none"> • Finance & economics • Skills & enterprise • Innovation & technology: • Health & public services • Governance & communities 	Questions: <i>What are the main gaps & barriers? What are the opportunities? Which ways forward & what can GM do???</i> Each table takes 1 challenge: ideas on post-its on flipcharts. Visual thinking wherever possible. Also use the GM online survey
18.30	Plenary	Report on challenges Conclusions	Focus on ‘key messages for GM, GMCA & the Mayor’. <i>(2 mins each!!)</i>
19.00	<i>Close & drinks</i>		