



# A place-based approach to net-zero in the West Midlands: Benefits for our people and economy

ONLINE EVENT  
30/06/21



[Anna Bright](mailto:anna.bright@swm.org.uk)  
[anna.bright@swm.org.uk](mailto:anna.bright@swm.org.uk)

# 1.

## **Powers**

There needs to be a common and consistent remit for city action, and the mandate to facilitate low carbon interventions where cities are best placed to accelerate change.

# 2.

## **Partnerships**

New forms of partnership are required, within national and local government and with the private sector, with the common goal of long-term resilience that comes with investment in local sustainable approaches.

# 3.

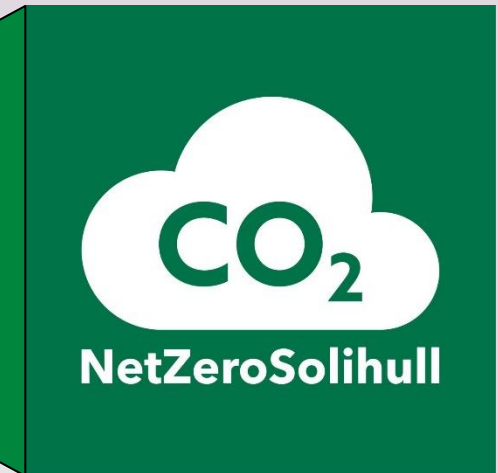
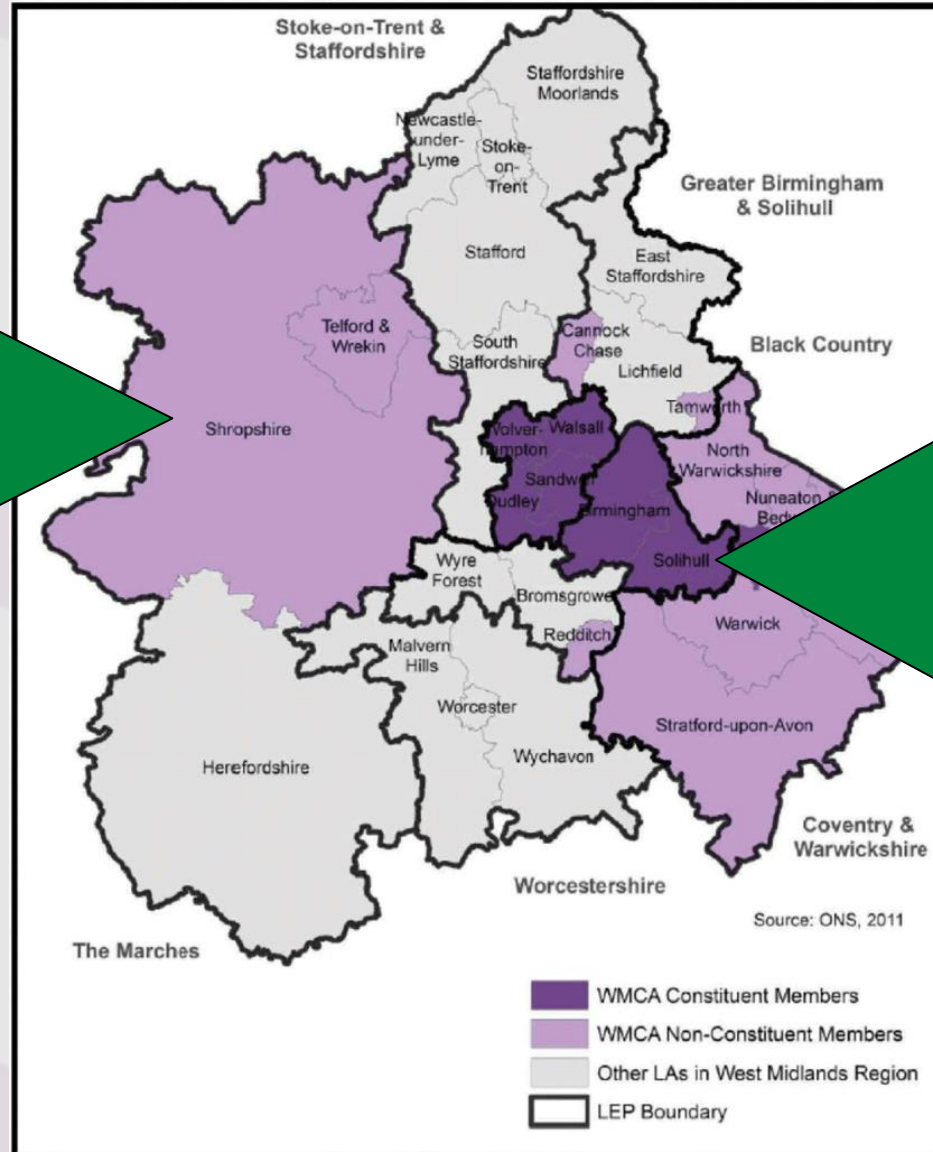
## **(Data) Platform**

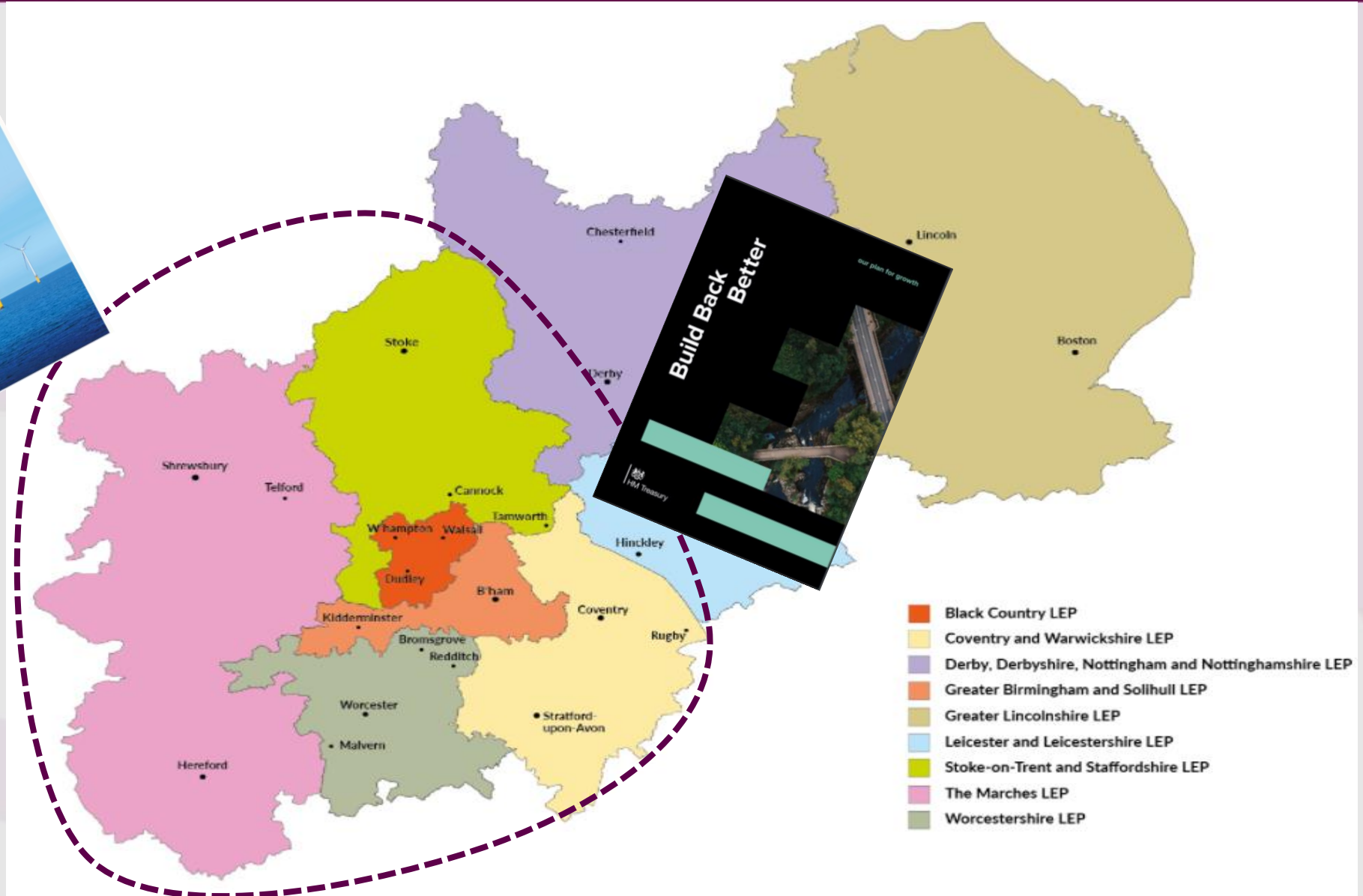
System-level data must be used to improve integrated planning, the transparency and replicability of decision-making and to track outcomes such as carbon reduction, health and economic benefits.

# 4.

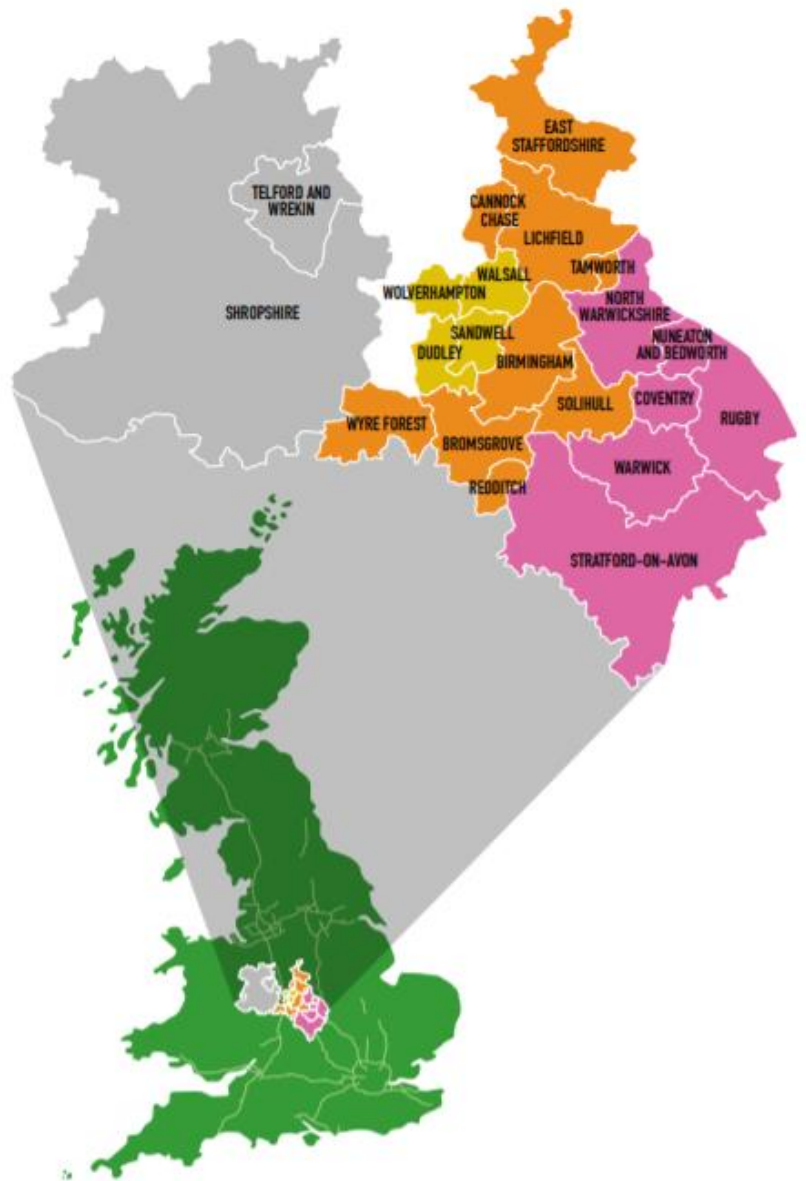
## **People**

New skills must be developed within local authorities to manage these new powers and partnerships, and to act on new data insights.





- Black Country LEP
- Coventry and Warwickshire LEP
- Derby, Derbyshire, Nottingham and Nottinghamshire LEP
- Greater Birmingham and Solihull LEP
- Greater Lincolnshire LEP
- Leicester and Leicestershire LEP
- Stoke-on-Trent and Staffordshire LEP
- The Marches LEP
- Worcestershire LEP



			2021	2026	2031	2036	2041
	Domestic	Energy efficiency	Energy efficiency in 100% dwellings (1.1m homes)				
		Heating retrofit	100% low-carbon heating system retrofit in dwellings (1.1m homes)				
		Solar PV	830 MWp of rooftop solar				
	Commercial	Energy efficiency	Energy efficiency in 73,400 commercial buildings				
		Heating retrofit	Low-carbon heating system retrofit in 100% buildings (73,400 commercial buildings)				
		Solar PV	705 MWp of rooftop solar				
	Industrial	Energy efficiency and heating retrofit	16.7% deployment of H <sub>2</sub> and 40% of CCS for high temp process 10% energy efficiency 100% electrification for low temp processes				
		Solar PV	96 MWp of PV				
	Transport	Avoid	35% of people tele-commuting 50% of time, 25% less personal and retail trips				
		Shift	Bike increase to 10% of trips			Private car journey reduced to 35%, Public transport up to 27%	
		Improve	100% electric taxis, buses, 50% of HGVs			100% of HGVs	
	Land Use	Renewables	59 MW Wind and 448 MWp of solar PV				
		Natural capital	Tree coverage in 13% of WMCA area, and 20% of peri-urban area (a total of 19 million trees)				
	Systems Management	Upgrade and manage coordination across the energy and associated systems (transport, digital).					



## Our Mission

Why we exist and what we aim to achieve



### WHAT WE DO

The Innovation Alliance for the West Midlands is an alliance of organisations active or interested in science and technology based innovation across the West Midlands. We have two principle objectives:

- Build and maintain a thriving innovation ecosystem
- Stimulate and catalyse a pipeline of innovation activity



**Liz McArdle**

High Value Manufacturing  
Warwick Manufacturing Group

[E.McArdle@warwick.ac.uk](mailto:E.McArdle@warwick.ac.uk)



**Alan Carr**

Low Carbon  
Sustainability West Midlands

[Alan.carr@swm.org.uk](mailto:Alan.carr@swm.org.uk)



**Jenny Illingsworth**

Rail  
Rail Alliance

[j.s.illingsworth@bham.ac.uk](mailto:j.s.illingsworth@bham.ac.uk)



**Tim Luft**

Creative  
Create Central

[Tim.luft@createcentraluk.com](mailto:Tim.luft@createcentraluk.com)



**Chris Lane**

Mobility  
Transport for West Midlands

[Chris.Lane@tfwm.org.uk](mailto:Chris.Lane@tfwm.org.uk)



**Chaminda Pathirage**

Construction  
University of Wolverhampton

[C.Pathirage@wlv.ac.uk](mailto:C.Pathirage@wlv.ac.uk)



**Andrew Mair**

Aerospace  
Midlands AerospaceAlliance

[andrew.mair@midlandsaerospace.org.uk](mailto:andrew.mair@midlandsaerospace.org.uk)



**Emma Yeap**

Health  
WM Health Technologies Cluster

[infowmhtc@gmail.com](mailto:infowmhtc@gmail.com)



## Networks and Linkages

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WMIP will support business networks and programmes to join up R&D assets and entrepreneurs, and help identify the opportunities for collaboration across sectors, technologies and supply chains

## Innovative Low Carbon Working Group

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Supporting low carbon technologies, energies and clean growth



- The sustainability adviser to cross-sector leaders of the West Midlands
- Established 2002
- Independent
- Not-for-profit

### Our 2030 Vision:

The West Midlands is leading in contributing to the national target of net zero greenhouse gas emissions by 2050 whilst addressing health inequality and driving inclusive growth

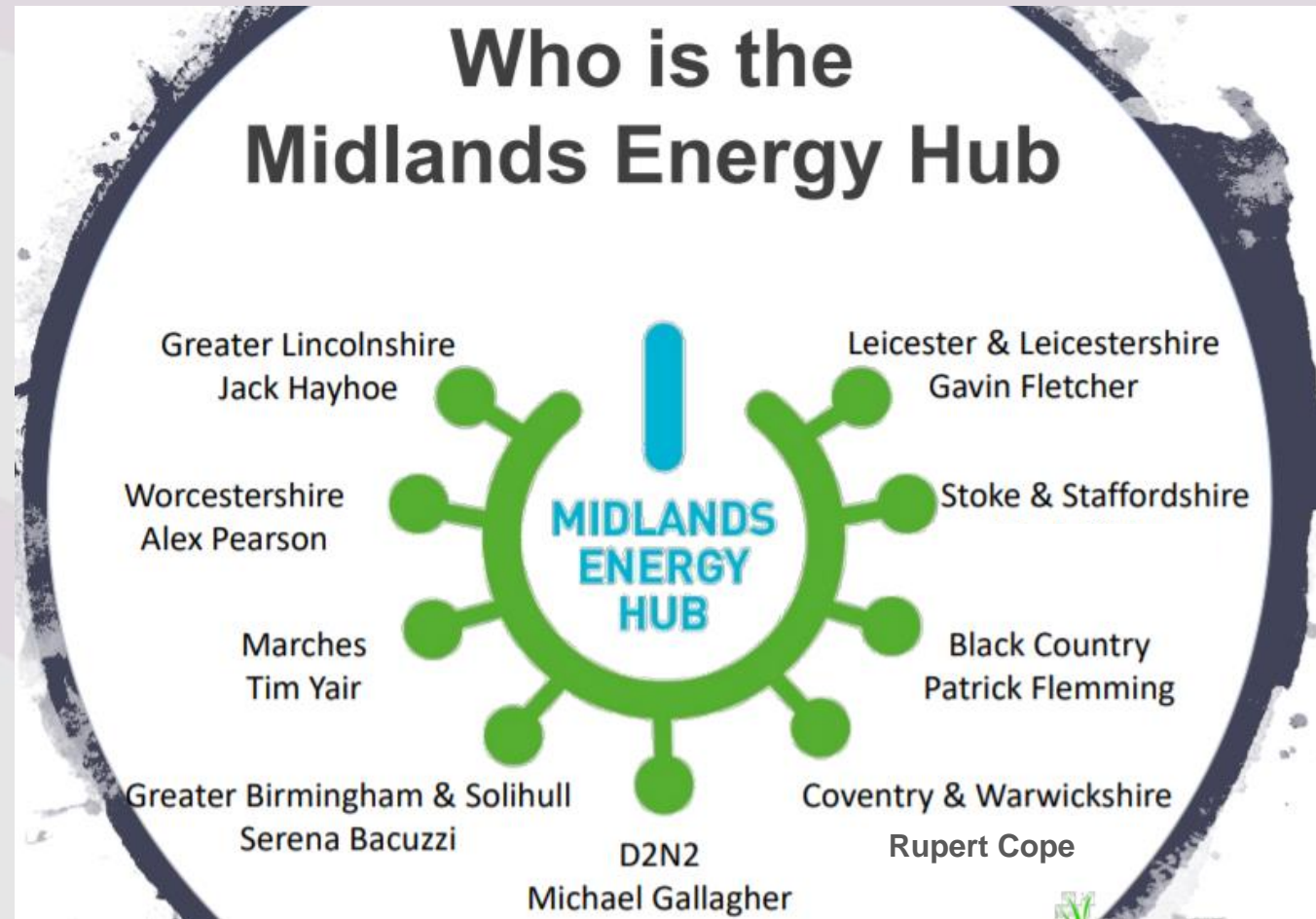


Support LEPs and Local Authorities with delivery of their energy strategies and projects

Manage Rural Community Energy Fund for the region and support projects applying to the fund

Act as the central communication point to ensure effective:

- Regional collaboration
- Sharing of good practice
- Standardisation of approach
- Sharing of documents



**MIDLANDS  
ENGINE**

## TEN POINT PLAN FOR GREEN GROWTH IN THE MIDLANDS ENGINE

### PLACES



**1**

#### GREEN BUILDINGS

Improve energy efficiency and decarbonise heat



**2**

#### NET ZERO TRANSPORT

Lead the transition to reduce emissions



**3**

#### NATURE'S RECOVERY

Protected and productive natural assets



**4**

#### BLUE-GREEN PLACES

Where people and nature flourish

### ENERGY



**5**

#### LOW CARBON HYDROGEN

Pioneer, commercialise and deliver hydrogen solutions



**6**

#### CLEAN ENERGY

Sustainable energy generation and storage



**7**

#### SMART ENERGY

Develop digital infrastructure to decarbonise

### ENABLERS



**8**

#### GREEN INNOVATION

Green design and making for economic growth



**9**

#### ENERGY WORKFORCE

Highly skilled, inclusive and diverse



**10**

#### GREEN FINANCE

Invest and enable to unlock opportunity



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