



**CLIMATE EMERGENCIES – AMBITION, POLICY, ACTION**  
WEBINAR, 9TH SEPTEMBER 2020

# THANK YOU TO OUR PARTNERS

---



LIVERPOOL  
CITY REGION  
HOUSING ASSOCIATIONS



Halton  
Housing

thirteen

Managing and building homes

together  
HOUSING  
GROUP

Consortium  
Procurement

reduce risk, save time, save money, be compliant



# Welcome from the Chair

*Karen Brown,  
Senior Policy Advisor,  
Northern Housing Consortium*

# Clean Air and Climate Emergency – the role of Local Government

*Dom Goggins,  
Political Consultant,  
UK100*

September 2020

# Northern Housing Consortium

Dom Goggins  
Political Adviser (Consultant)  
[dom.goggins@uk100.org](mailto:dom.goggins@uk100.org)  
[www.uk100.org](http://www.uk100.org)

# About UK100

100 Local Authorities  
members of UK100  
that have committed to:

**100% clean energy before 2050,**  
in line with the commitments made  
nationally and internationally at the  
Paris Summit



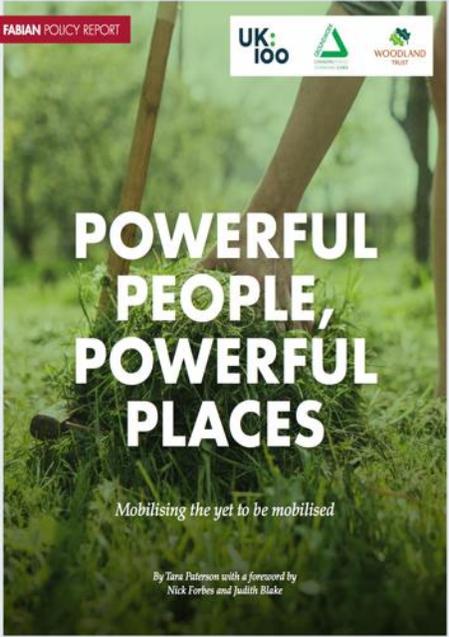
# Our Campaigns

## Sustainable Finance



**Financing the Transition:**  
Harnessing UK Cities' Ambition for Clean Energy

**UK:100**



FABIAN POLICY REPORT

UK:100

WOODLAND TRUST

**POWERFUL PEOPLE, POWERFUL PLACES**

*Mobilising the yet to be mobilised*

By Tara Paterson with a foreword by Nick Forbes and Judith Blake

## Climate Emergency

## Clean Air



**Clean Air  
Clean Cities**

**UK:100**



UK: 100  
For cleaner, more powerful communities

MAYOR OF LONDON



MAYOR OF LONDON

UK: 100  
For cleaner, more powerful communities

MAYOR OF LONDON

London Mayor

Mayor of London

# A Challenging Context

- “Can’t achieve net zero without local authorities”
- 280 Local Authorities have declared a Climate Emergency
- Public support strong action on climate change and air pollution
- Net zero offers huge co-benefits



# Local Authorities are taking Climate Emergency Declarations forwards

## **AMBITION**

**Greater Manchester**

Science-based, Paris-aligned carbon neutral target (2038) and five year plan

## **DELIVERY**

**Oxford**

£41m Energy Superhub project – trial the world's largest hybrid energy storage system for vehicle charging and low-carbon heat networking

## **FUNDING**

**Bristol**

'City-Leap' - investment for a low-carbon, smart energy infrastructure programme, delivering building retrofit and heat decarbonisation.

# No national framework exists that enables and funds ambitious local action

“No standard approach for target setting or developing action plans at a local level.”

Committee on Climate Change, *Reducing UK emissions: 2020 Progress Report to Parliament, June 2020.*

Insufficient powers & insufficient resources

System that is structurally incapable of delivering net zero

**Powers Research: *Coming Soon***

# Resilient Recovery Task Force

24 Mayors and local leaders,  
representing 25 million  
people

Declaration & submission to  
government for CSR



<https://www.uk100.org/resilient-recovery-taskforce/>

# UK100 Clean Air Declaration 2019

Clean Air Zone Declaration supported by **22 business and Local Authority leaders**

International #CleanAirSummit 23rd October 2019

[https://www.uk100.org/wp-content/uploads/2019/02/International-Clean-Air-Summit\\_Summary-23102019.pdf](https://www.uk100.org/wp-content/uploads/2019/02/International-Clean-Air-Summit_Summary-23102019.pdf)

- Require, and provide necessary resources for, the meeting of world leading World Health Organization air pollution standards, as a minimum, in the Environment Bill.
- Establish a programme that provides financial support for the poorest in our society and for small businesses to switch to cleaner vehicles, shared transport or active travel via schemes such as mobility credits.
- Grant Local Authorities and Mayors the powers and funding they need to deliver zero emission transport networks.
- Create certainty for business and local government by setting out an ambitious roadmap to 2030.

UK:  
100

[info@uk100.org](mailto:info@uk100.org)

# National Context for Local Climate Action

*Jonathan Mullard,*

*Head of Planning and Devolution - Local Climate and  
Energy Team,*

*Department for Energy, Business, and Industrial  
Strategy*

---

# National Context for Local Climate Action

  
Department for  
Business, Energy  
& Industrial Strategy

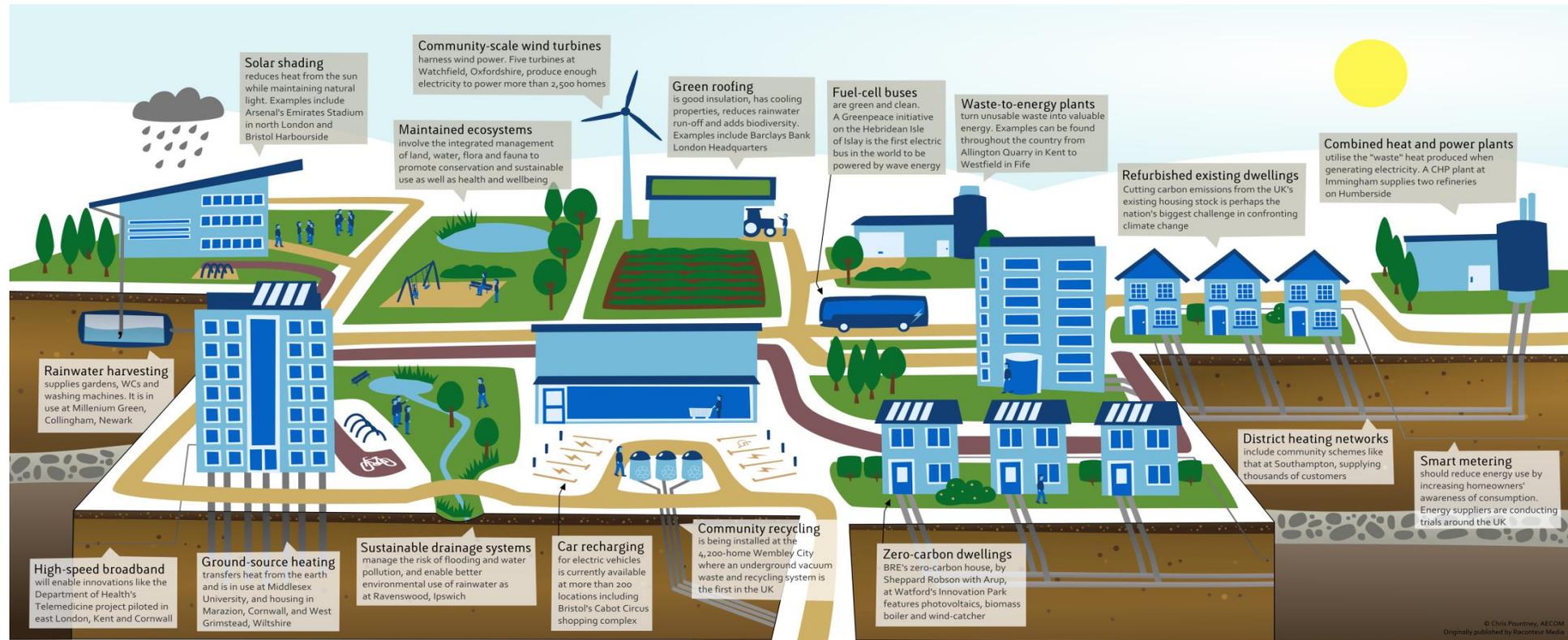


Department for  
Business, Energy  
& Industrial Strategy

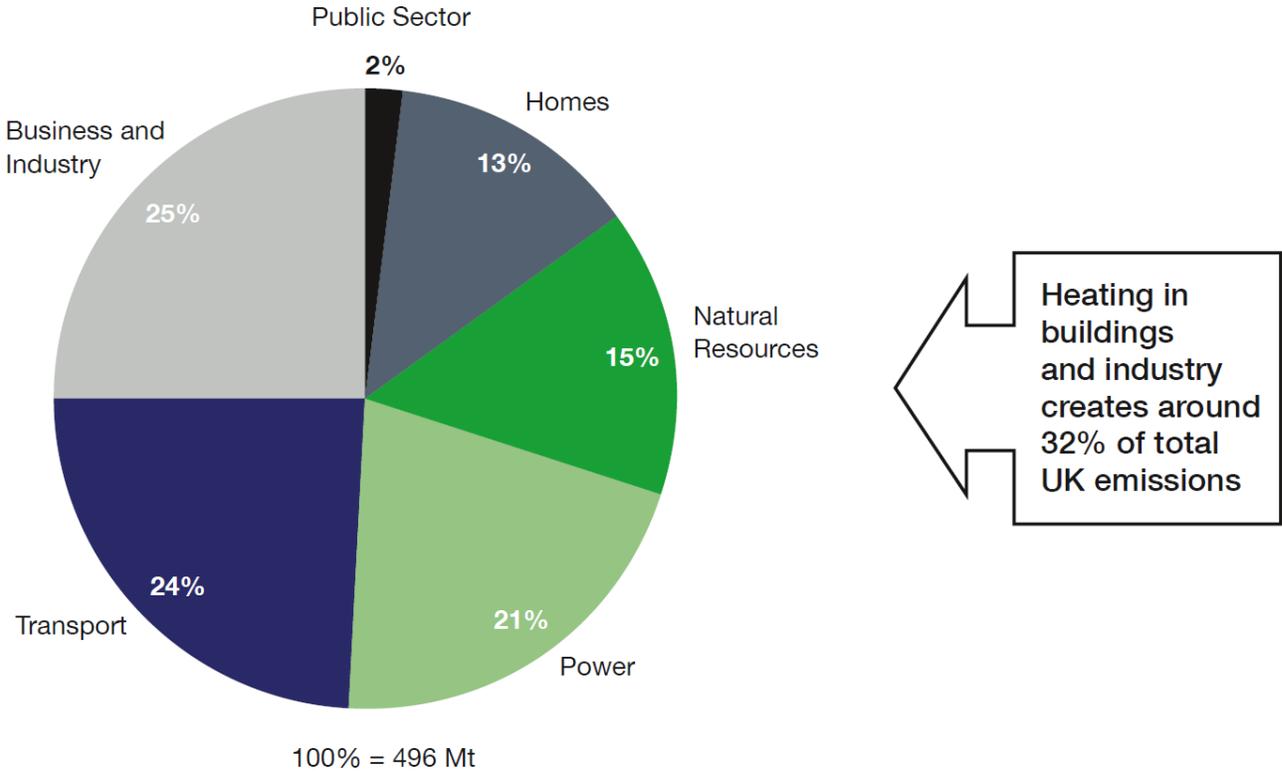
# UK is committed to net zero by 2050

- Tackling climate change and achieving net zero is a key Government priority
- The UK is a world leader in cutting emissions, achieving the best performance in the G7 on a per person basis between 1990 and 2017
- The UK over-achieved against the first (2008-12) and second (2013-17) carbon budgets, and is on track to meet the third (2018-22)
- We recognise the need for further action to meet the fourth (2023-27) and fifth (2028-32) carbon budgets
- Committee on Climate Change will be advising on the sixth carbon budget (2033–37) in December 2020, the first since net zero adopted
- In 2020-21, ahead of hosting COP26, we will bring forward ambitious new plans to reduce emissions across key sectors of the economy
- COP26 UK Mayors and Regions Advisory Council - engage with local leaders from across the UK to engage communities in the run-up to COP.

# Energy system transformation needed



# UK emissions by sector



Source: BEIS

# Green economic recovery is a priority

- As we recover from COVID-19, the Government intends to deliver a UK economy which is stronger, cleaner, more sustainable and more resilient
- Tackling climate change will be a win-win. Many of the actions we need to take to reach net zero will also support our economic recovery

*“This is going to be a green recovery with concern for our environment at its heart”*

Chancellor Rishi Sunak, July 8th 2020

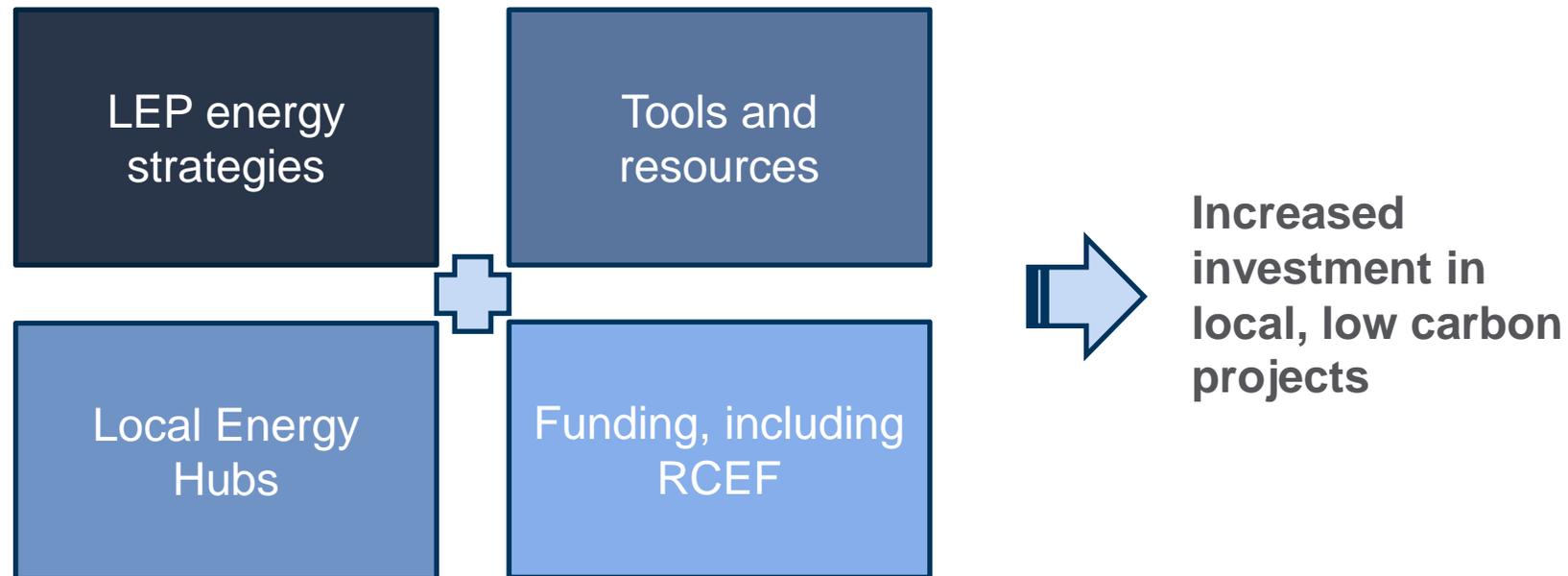
# Funding is available from government

- BEIS already provides a range of policy and financial support for low carbon projects
- Green recovery funding announced over the summer included the following programmes which will support around 140,000 jobs:
  - £1 billion over the next year for a new Public Sector Decarbonisation Scheme to upgrade public sector buildings
  - £2 billion 'Green Homes Grant', which will upgrade more than 600,000 homes in England and save households up to £600 a year
  - £50m demonstrator project for decarbonisation of social housing, which will encourage innovation and inform design of the future Social Housing Decarbonisation Fund
- Spending Review was announced by the Chancellor at the end of July, and is currently underway

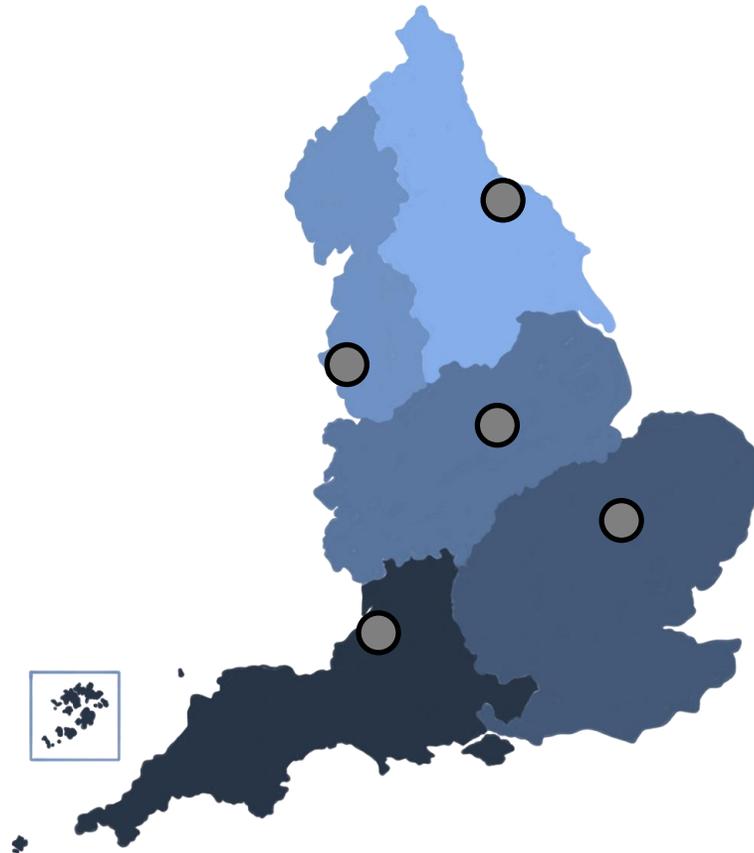


# We are here to help

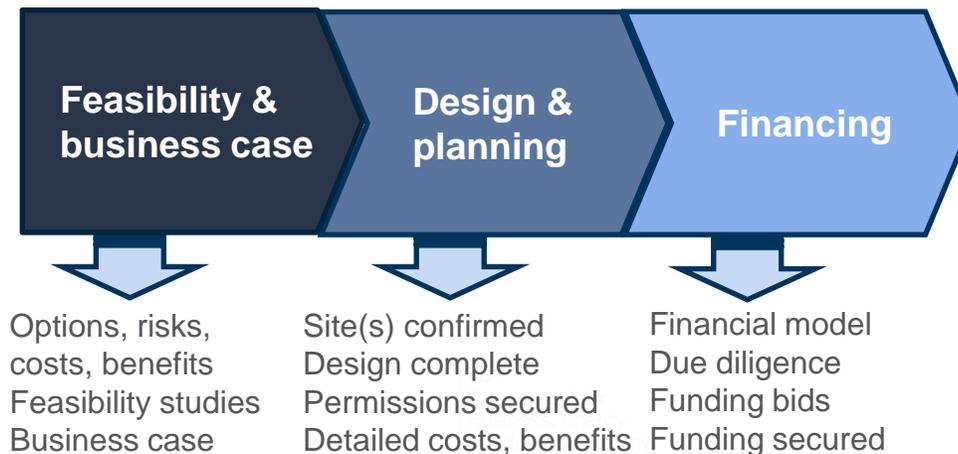
- The Local Climate and Energy team's role is to support LEPs, local authorities and communities in England to play a leading role in net zero and clean growth
- We run the £20m Local Energy programme and support policy development across BEIS and other Government departments



# Local Energy Hubs



- Provide capacity and capability support
- Project long list from LEPs, local authorities
- Priorities agreed by Hub Boards, teams currently supporting shortlisted projects
- Also delivering some government programmes



# Any questions?

If you would like to get in touch, please email [localenergy@beis.gov.uk](mailto:localenergy@beis.gov.uk)

# Climate Resilient Communities

*Dr Nadine Andrews,*

*Team Leader Housing & Regeneration Research,  
Scottish Government*

# CLIMATE RESILIENT COMMUNITIES

Northern Housing Consortium – Climate Emergencies webinar

9 Sept 2020

**Dr Nadine Andrews**  
**Communities Analysis Division**  
Nadine.Andrews@gov.scot



**Scottish Government**  
Riaghaltas na h-Alba  
gov.scot

# Scotland's National Performance Framework





# Outcome 1: Our communities are inclusive, empowered, resilient and safe in response to the changing climate – policies and research

Cross-Cutting Policies ..... Planning (Scotland) Act 2019

## 1.1 People in Scotland's diverse communities are informed, empowered and adapting to climate change

### 1.1.1 Engaged Public

Scottish Flood Forum

Community Adaptation Actions

Resilient Communities Strategic Framework and Delivery Plan

Recovery from Extreme Events

Scottish Flood Forecasting Service

Are We Ready? Facilitators Pack

RiverTrack

Flooding Research

### 1.1.2 Empowered Communities

Community Flood Volunteer Project

The Place Principle

The Place Standard Tool

SEPA Flooding Strategy

Fire and Rescue Framework

## 1.2 Scotland's buildings and places are adaptable to climate change

### 1.2.1 Resilient Places

Flood Risk Management Strategies

Dynamic Coast

SEPA Flooding Strategy

#### 1.2.1.1 Community Planning

Active Travel

The Place Standard Tool

The Place Principle

#### 1.2.1.2 Greenspace

Green Infrastructure Fund

Green Infrastructure Community Engagement Fund

### 1.2.2 Resilient Historic Environment

Our Place in Time Climate Change Working Group

Historic Environment Policy for Scotland 2019-2029

HES Climate Change and Environmental Action Plan

Adapt Northern Heritage (Interreg)

Research: Buildings and Heritage Assets

### 1.2.3 Resilient Buildings

#### 1.2.3.1 Resilient Residential Properties

Energy Efficient Scotland

CIRIA Flood Resilient Properties

Property Flood Resilience Action Plan

Building Regulations/Standards

National Flood Risk Assessment (NFRA) 2018

SEPA Flood Maps

SEPA Planning Advice

Economic Assessment under Current and Future Flood Risk Scenarios

Tolerable Standards & Scottish Housing Quality Standards

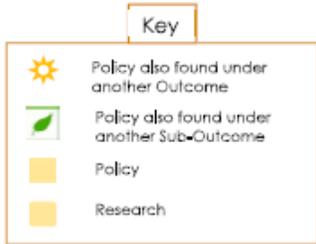
Property Flood Resilience

New Developments in Flood Risk Areas

#### 1.2.3.2 Resilient Non-Residential Properties

Scotland's Learning Estate Strategy

Scotland's Schools for the Future Programme



# Resilience Division, Resilient Communities



## Ready Scotland

Preparing for and dealing with emergencies



### Severe weather

If severe weather strikes are you prepared at home, on the road and in your community? It takes just a few simple steps to get ready.



### Loss of utilities

Utility companies in Scotland have contingency plans in place to deal with all kinds of emergencies.



### Online

No one is immune to cyber risks and being constantly connected brings increased threats of fraud and abuse.



### Terrorism

The threat posed by terrorism is real and serious.



### On the move

Advice on how to plan ahead and avoid disruption, minimise the impact of any delays on your journey, and keep you and those around you safe



### My Business

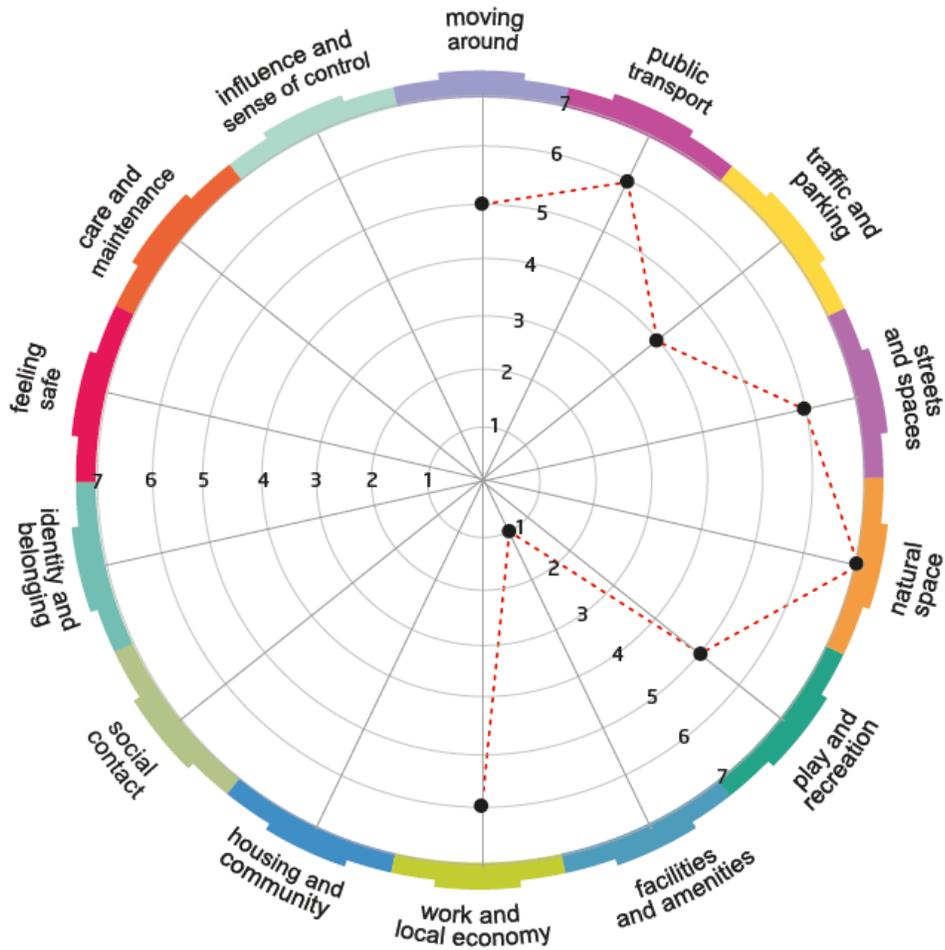
Even relatively small disruptions can have serious consequences for cash flow and for commitments to customers if they are not well managed.

**Saving a life is in your hands** >

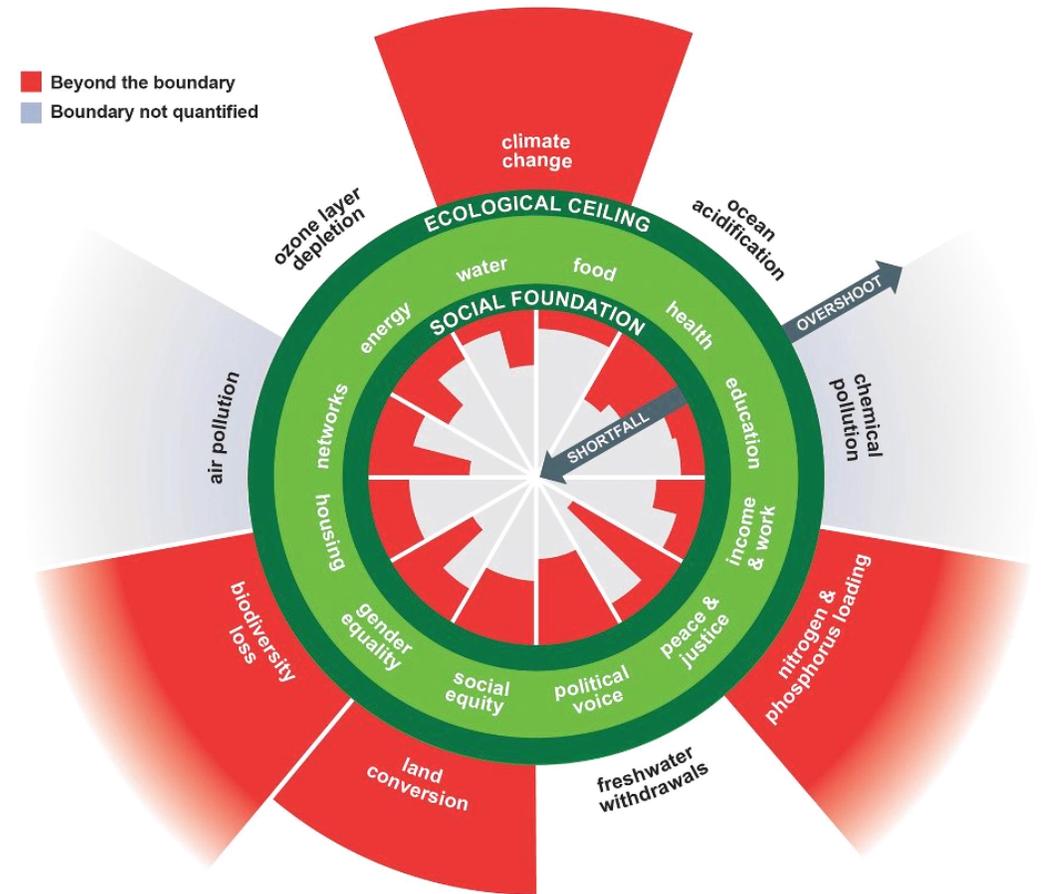
**Floodline**  
Scottish Environment Protection Agency • [www.sepa.org.uk](http://www.sepa.org.uk)  
**0345 988 1188**

**Flooding alerts** >

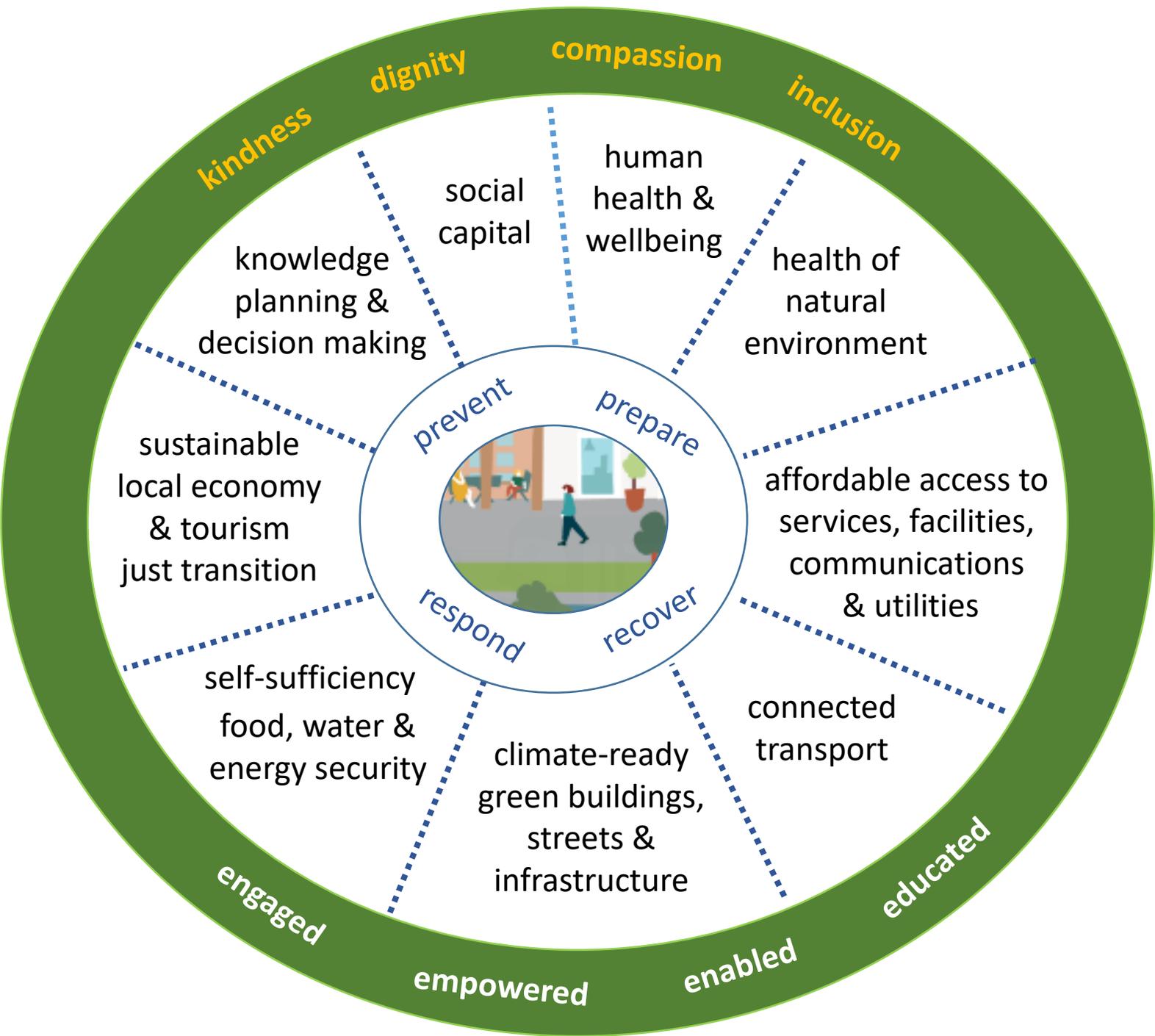
# Place Standard Tool



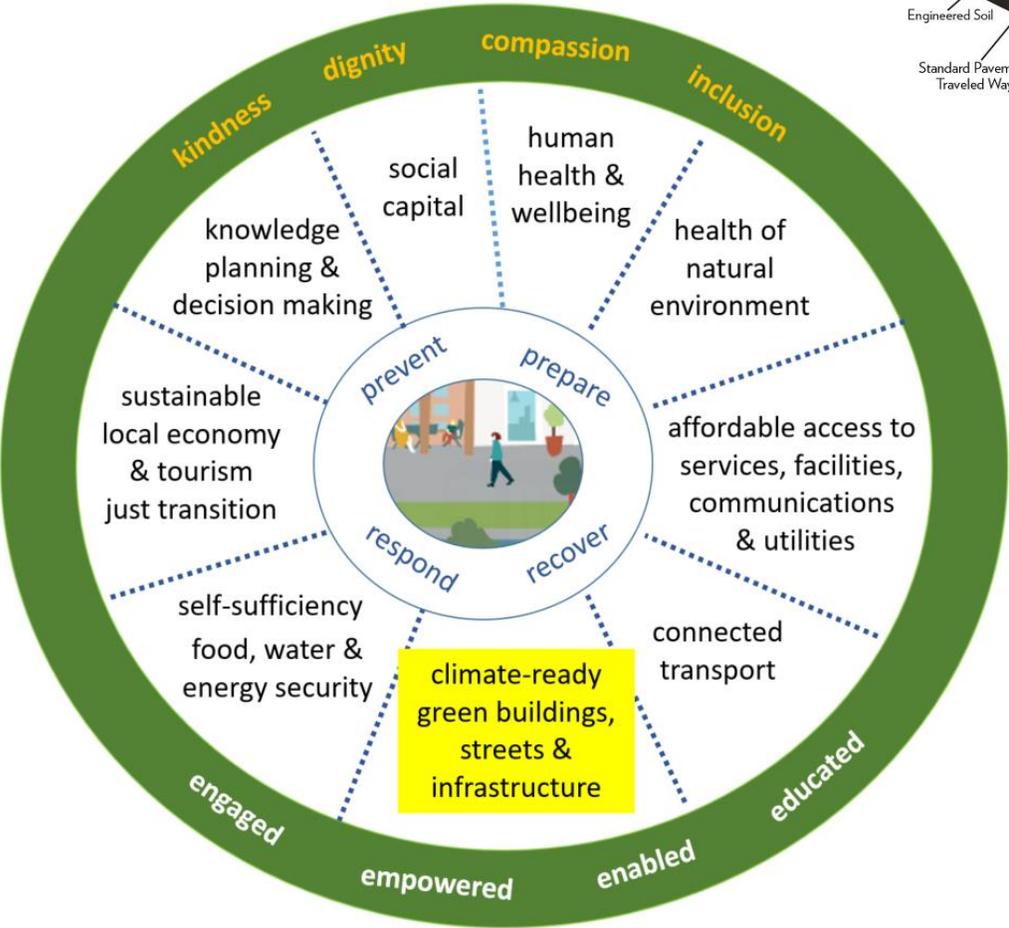
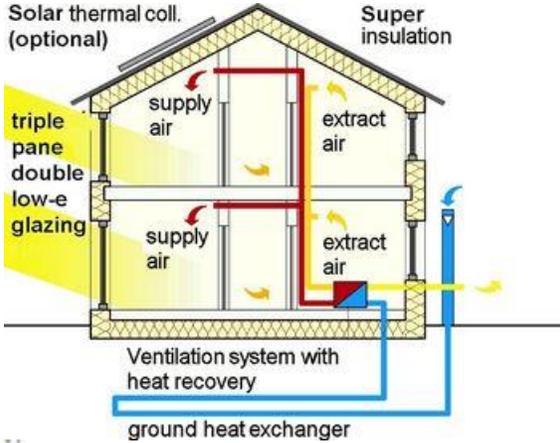
# Doughnut Economics & Planetary Boundaries



# Design features of climate resilient communities



# Housing interconnections



# Social Capital - Themes and Measures

## 1. Social Networks



Could rely on neighbour to help

Neighbours would keep an eye on home

Could turn to neighbours for advice

Would help neighbours

Meets socially at least once a week

Felt lonely in the last week

## 2. Community cohesion

Library >

Positive Neighbourhood rating

Neighbourhood belonging

Neighbourhood safety

Neighbourhood trust

Neighbourhood kindness

Diverse people get on well together

Places to meet and socialise

Welcoming places to meet new people

## 3. Social participation



Formal volunteering

Informal volunteering

## 4. Community empowerment

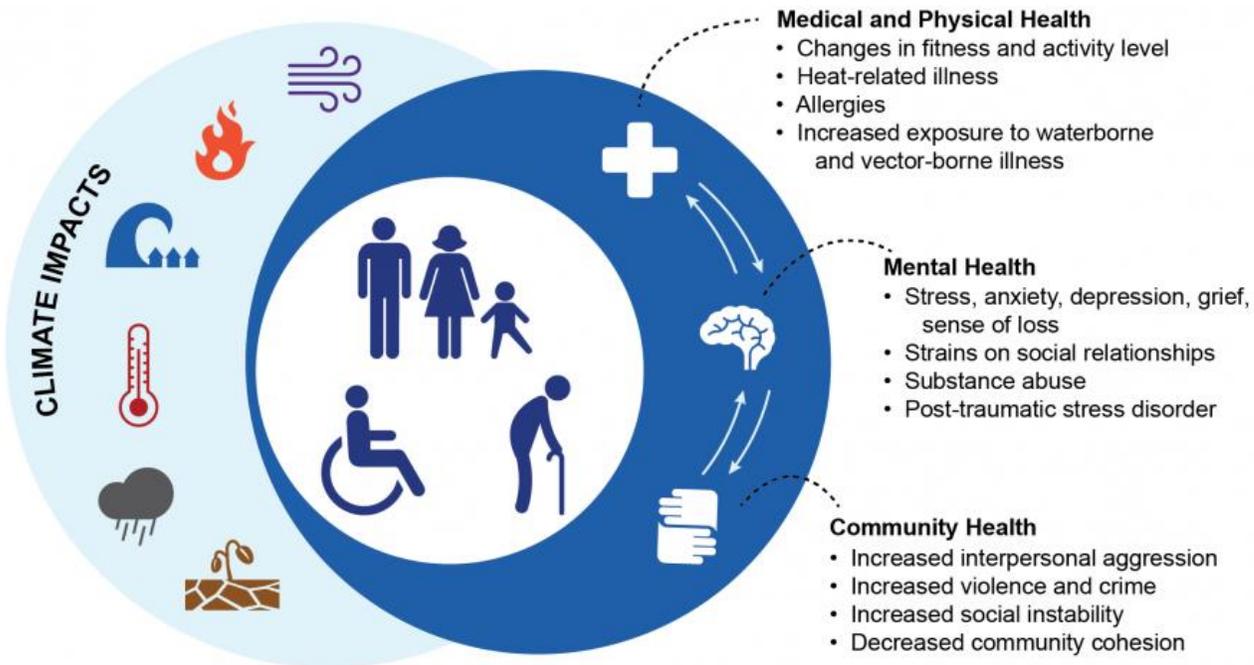


Influence on local decisions

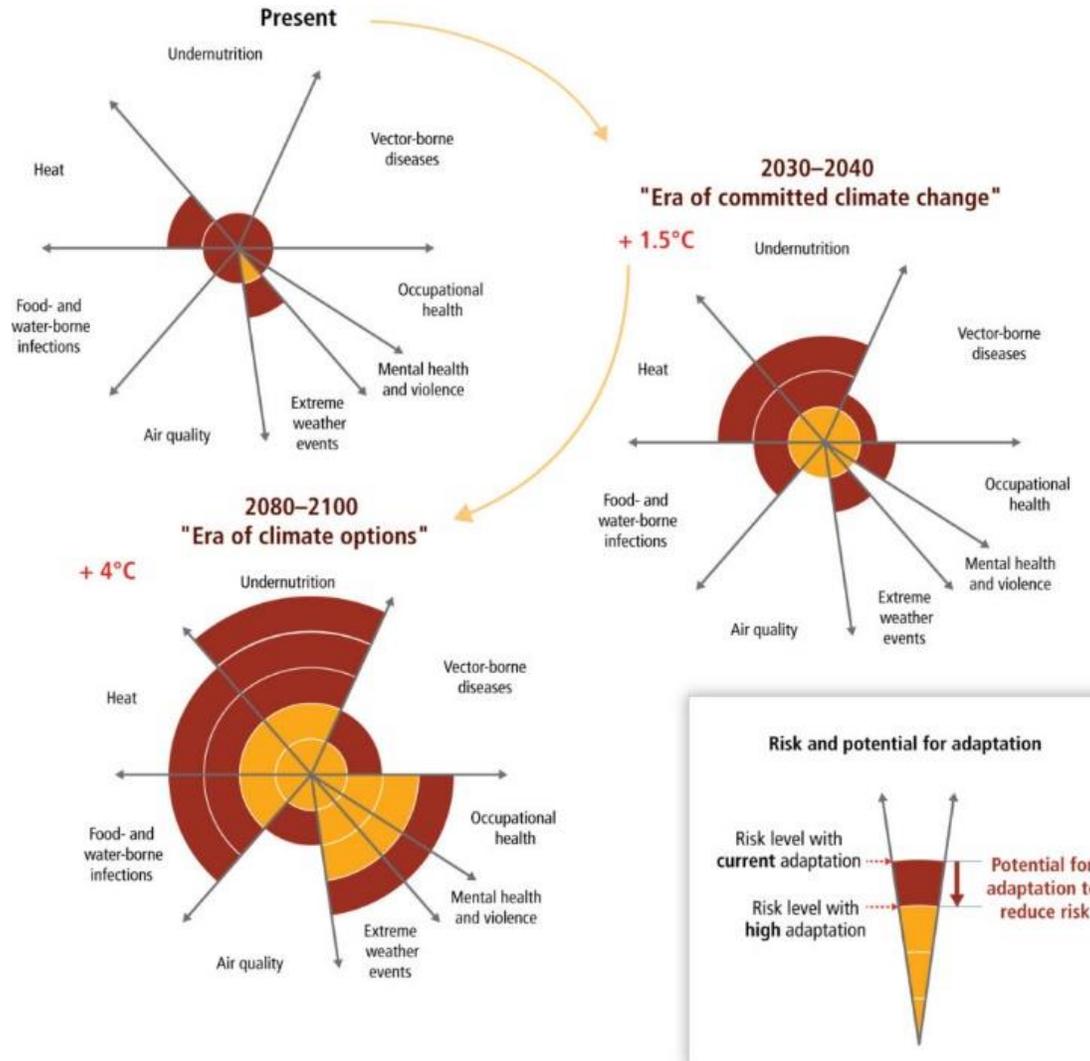
People improve the local neighbourhood

# HUMAN HEALTH & WELLBEING

## Impacts of climate change



globalchange.gov



IPCC Fifth Assessment Report 2014: Europe

# MENTAL HEALTH & WELLBEING



madrascourier.com



Henrik5000/E+/Getty

# MENTAL HEALTH & WELLBEING

## Impacts of flooding

- high variation in experience
- short & longer term negative impacts
- more vulnerable groups: children, older people, living alone, pre-existing stressful life events or medical conditions

## Increased stress

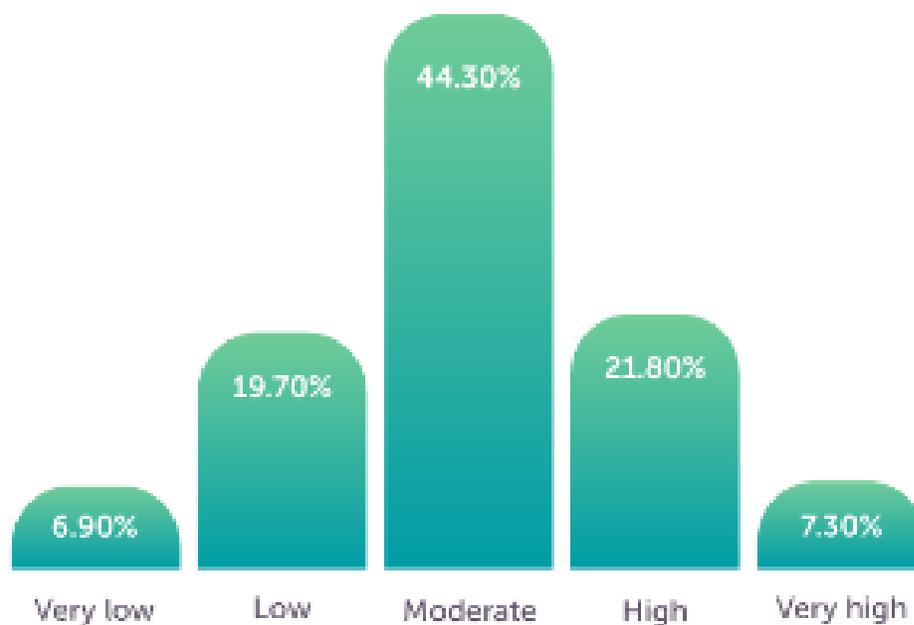
- impacting home life & personal relationships
- anxiety, tiredness, sleeplessness, low, overwhelmed
- delay in moving back home, temporary accommodation, builders
- most did not seek professional help
- most of those negatively affected had pre-existing mental wellbeing problems



# MENTAL HEALTH & WELLBEING

## Eco-anxiety

What is your level of stress/anxiety related to climate change and the environment in general?



Truverra survey Feb 2020

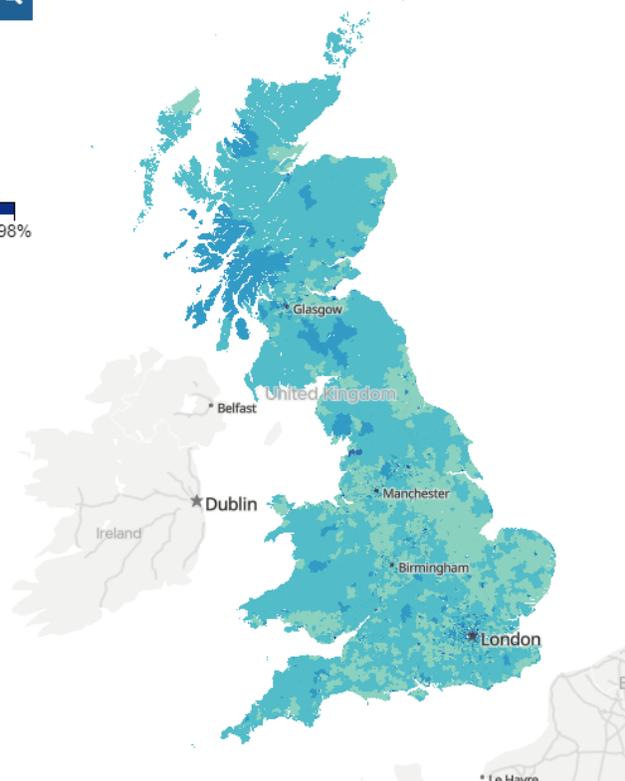
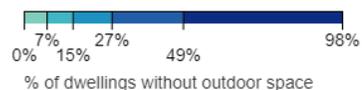


BBC Newsround survey 2020

# MENTAL HEALTH & WELLBEING

## Connection with nature

Explore access to gardens (and their typical size) in your neighbourhood

Source: Office for National Statistics



Welcome to the People and Nature User Hub. This page provides information about the People and Nature survey and a number of resources which are available for you to access and use.

Click on the links below to get started.



People and Nature Collection Page



People and Nature Questionnaire



People and Nature Monthly Indicators

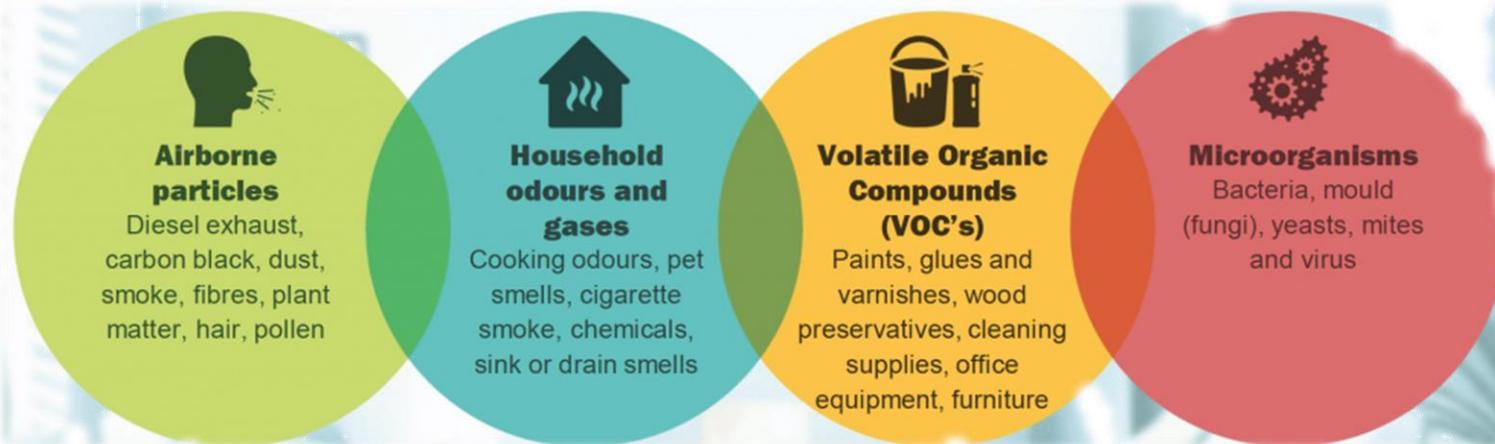


MENE Collection Page and Tools

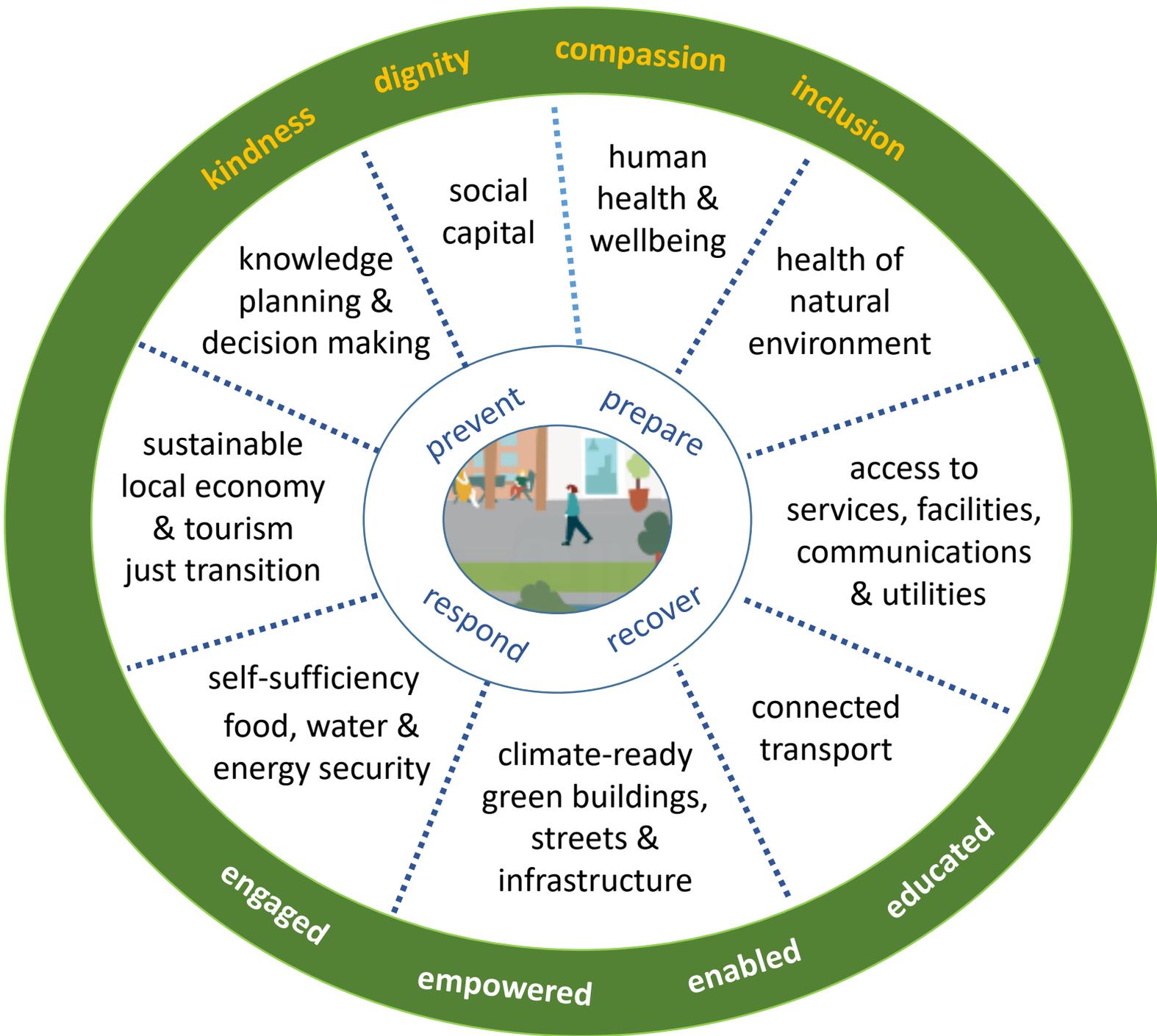
<https://people-and-nature-survey-defra.hub.arcgis.com/>

## Indoor air quality

- indoor air can be worse than outdoors
- increasing traffic on roads, more time spent indoors
- hotter drier summers - increase in photochemical smog episodes
- energy efficiency measures increase air tightness of buildings
- with inadequate ventilation harmful pollutants build up - reducing indoor air quality



# Design features of climate resilient communities



# CLIMATE RESILIENT COMMUNITIES

Thanks to

Ben Cavanagh, Kat Hasler & Tracy Mcken - Scottish Government

Paul Hendy - Scottish Flood Forum

**Dr Nadine Andrews**

**Communities Analysis Division**

Nadine.Andrews@gov.scot



**Scottish Government**  
Riaghaltas na h-Alba  
gov.scot

## Case Study – Lancaster City Council

*Cllr. Kevin Frea, Deputy Leader, & Cabinet Member for the Climate Emergency & Rural Affairs, LCC*

*Cllr. Caroline Jackson, Cabinet Member for Housing, LCC*

*Kathy Beaton, Principal Housing Strategy Officer (Directorate of Economic Growth and Regeneration), LCC*



Shaping  
a better future



Shaping  
better development



Shaping  
a better economy



Shaping  
the urban future



Shaping  
a greener future



Shaping  
a sustainable future



Shaping  
the rural future

## Lancaster City Council's Enabling Role – Community Led Housing

Community-led housing aims to:

**solve local housing problems**

**create affordable homes**

**establish & encourage strong communities**



Shaping  
a better future



Shaping  
better development



Shaping  
a better economy



Shaping  
the urban future



Shaping  
a greener future



Shaping  
a sustainable future



Shaping  
the rural future

**Community Housing Fund award in 2016/17 - £707K  
allocation**

**Dedicated officer post**

**Grant policy**

**Community led enabling hub – year 1 funding for  
Cumbria and Lancaster**

**Two community led schemes currently in  
development**



Shaping  
a better future



Shaping  
better development



Shaping  
a better economy



Shaping  
the urban future



Shaping  
a greener future



Shaping  
a sustainable future



Shaping  
the rural future

## Lancaster Cohousing





Shaping  
a better future



Shaping  
better development



Shaping  
a better economy



Shaping  
the urban future



Shaping  
a greener future



Shaping  
a sustainable future



Shaping  
the rural future

**First community led scheme in Lancaster (2012)**

**40 market sale – 1 2 and 3 bed properties**

**Communal setting/facilities**

**Halton Mill providing community hub/managed  
workspaces**

**District Heating/Hydro electric scheme**

**Passivhaus certification**



Shaping  
a better future



Shaping  
better development



Shaping  
a better economy



Shaping  
the urban future



Shaping  
a greener future



Shaping  
a sustainable future



Shaping  
the rural future

## Project 1

**Halton Senior Co-Housing Group Ltd**

**Extension to the existing scheme for older people**

**Mixed tenure scheme of 20 units, 6 affordable**

**Over 55's – 1 and 2 beds**

**Passivhaus standard/Lifetime homes**

**£160K grant awarded for pre-development costs**



Shaping  
a better future



Shaping  
better development



Shaping  
a better economy



Shaping  
the urban future



Shaping  
a greener future



Shaping  
a sustainable future



Shaping  
the rural future

## Project 2

**Lune Valley Community Land Trust**

**Partnership with South Lakes Housing (RP)**

**Parish survey undertaken (arc4)**

**20 units of affordable housing (shared ownership and rented)**

**Passivhaus certification/NDSS plus 5%**

**Subject to planning and Homes England grant**

**Council awarded £267K pre-development/£375K land  
acquisition subject to planning.**



Shaping a better future



Shaping better development



Shaping a better economy



Shaping the urban future



Shaping a greener future



Shaping a sustainable future



Shaping the rural future





## Why support it?

- **Great local opportunity for those in need of housing**
- **Great learning opportunity for the council in taking new housing ambitions forward**
- **Will give confidence to partner RP's**
- **Opportunity to increase developer skills and knowledge**



Shaping  
a better future



Shaping  
better development



Shaping  
a better economy



Shaping  
the urban future



Shaping  
a greener future



Shaping  
a sustainable future



Shaping  
the rural future

**Thank you**

**Kathy Beaton CIHCM**

**Principal Housing Strategy Officer**

**Planning and Housing Strategy | Planning and Place  
Service**

**Directorate of Economic Growth and Regeneration |  
Lancaster City Council**

**E-mail: [kbeaton@lancaster.gov.uk](mailto:kbeaton@lancaster.gov.uk) | Tel: 01524  
582724**

# Case Study – Thirteen Group

*Sam Granger,*

*Senior Environmental Manager,*

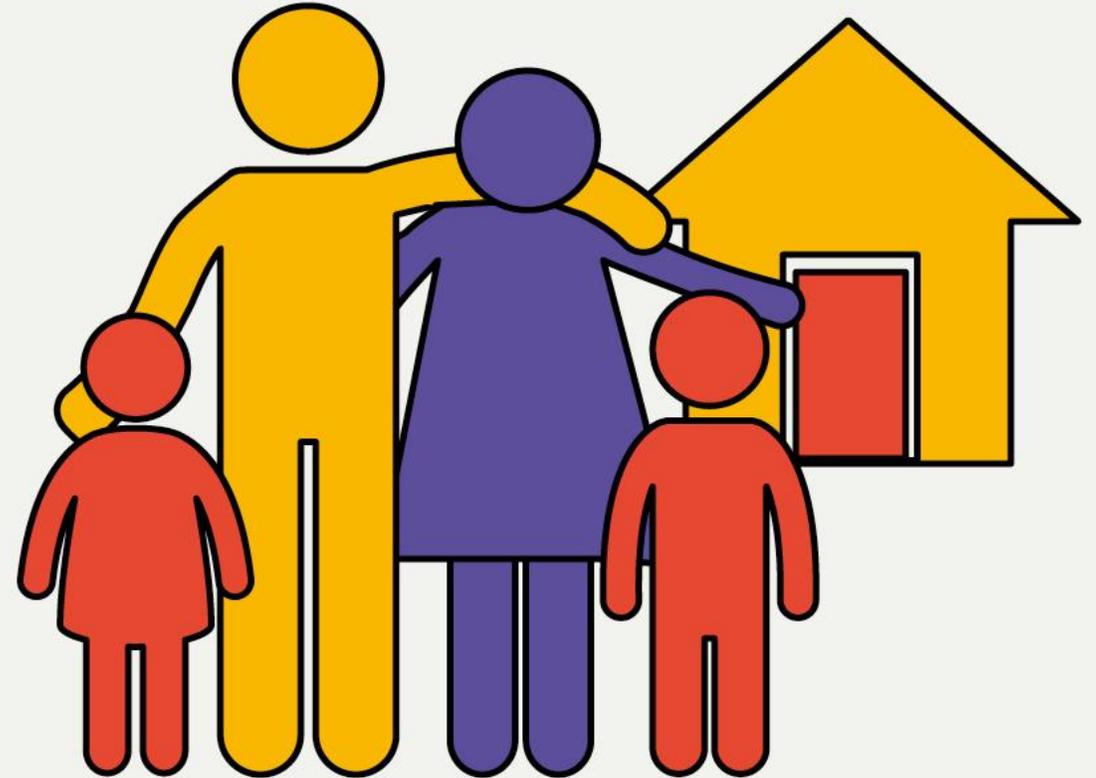
*Thirteen Group*

Sam Granger

Developing our approach  
to decarbonisation

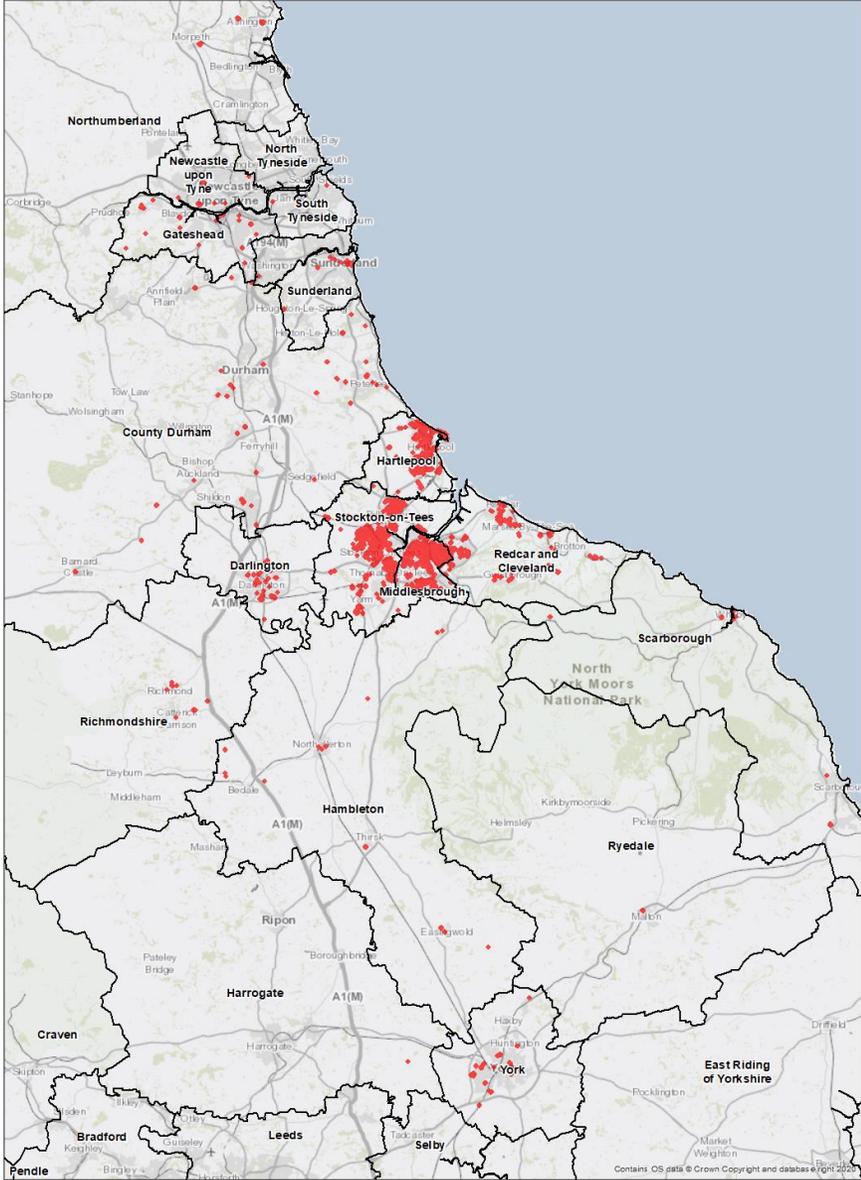


Landlord & housing developer  
Homes for rent and sale  
34,000 homes  
70,000 customers



Our operating area:

North Tyneside to York  
Majority located within Teesside



thirteen

Managing and building homes

Thirteen Properties  
Local Authorities

thirteen

Date: 31/10/2019 Scale: 1:400,000 0 5,000 Meters

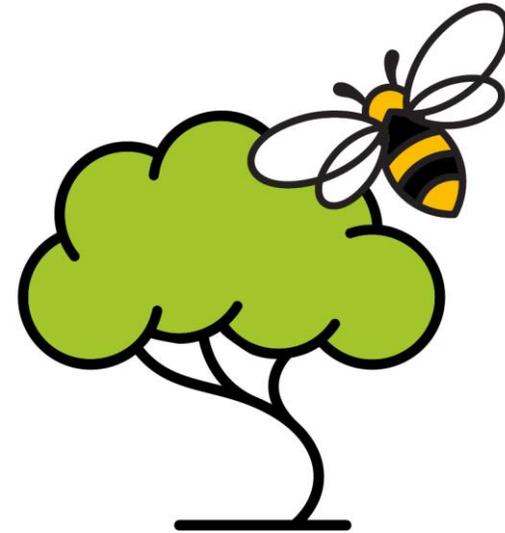
# Environmental Sustainability Drivers

Landlord & developer responsibilities

Responsible business

Stakeholder expectations

Strong customer focus



# TAKE CONTROL<sub>2</sub>



Business



Homes



Customers

DECLARE A  
CLIMATE  
EMERGENCY



thirteen

Managing and building homes

# TAKE CONTROL<sub>2</sub>

Thirteen approach direct business emissions

- Understand carbon baseline position
- Declare SECR regulations
- Develop Informed approach
- Set our priority actions
- Appropriate targets

Net zero carbon 2035

thirteen

Managing and building homes



# TAKE CONTROL<sub>2</sub>

Thirteen approach homes emissions

- Understand stock position & decarbonisation cost
- Renewables retrofit & innovation pilots
- Develop Informed approach
- Supply chain ability & availability
- Technology advances
- Customer focused

Net zero carbon by 2050

thirteen

Managing and building homes



# How do we push this forward as a sector?



Understand our need

- Business
- Stock



Develop sustainable supply chain

- Immediate need
- Future innovation



Skilled workforce

- Upskill existing
- Invest in future skills



Long term view and commitment

- Clear on what is needed
- Inform funding
- Support investment

Sam Granger

[Samantha.granger@thirteengroup.co.uk](mailto:Samantha.granger@thirteengroup.co.uk)

07972 080849



thirteen

Managing and building homes

# Final Questions & Discussion Points from the Audience

## Close

*16th September, 10.00 – 11.30 - Understanding Your Stock*

*23rd September, 13.00 – 14.30 – Financing Energy Efficiency*

*29th September, 10.00 – 11.30 - Retrofit Part 1 – Scaling up Supply & Demand, and Fabric First*

*7th October, 10.00 – 11.30 - Retrofit Part 2 – Home Energy Systems*

*13th October 13.00 – 14.30 – Retrofitting Neighbourhoods*

*21st October 13.00 – 14.30 - Decarbonising Rural Areas*

*28th October 10.00 – 11.30 - Getting Communities on Board*

An hourglass with a wooden frame and glass bulbs, containing white sand, sits on a patch of green grass. The background is a soft-focus sunset with a bright sun and a large, out-of-focus light source in the sky.

**THANK YOU**  
**FOR ATTENDING THIS EVENT**



@NHC



Northern Housing Consortium

[www.northern-consortium.org.uk](http://www.northern-consortium.org.uk)