

# Adaptation Scotland

supporting climate change resilience

## Scotland Adapts: Overview of Approach & Case Studies

### Green Infrastructure and Climate Change Conference



The Adaptation Scotland programme is funded by the Scottish Government and delivered by sustainability charity Sniffer.



Anna Beswick, Adaptation Scotland Programme Manager



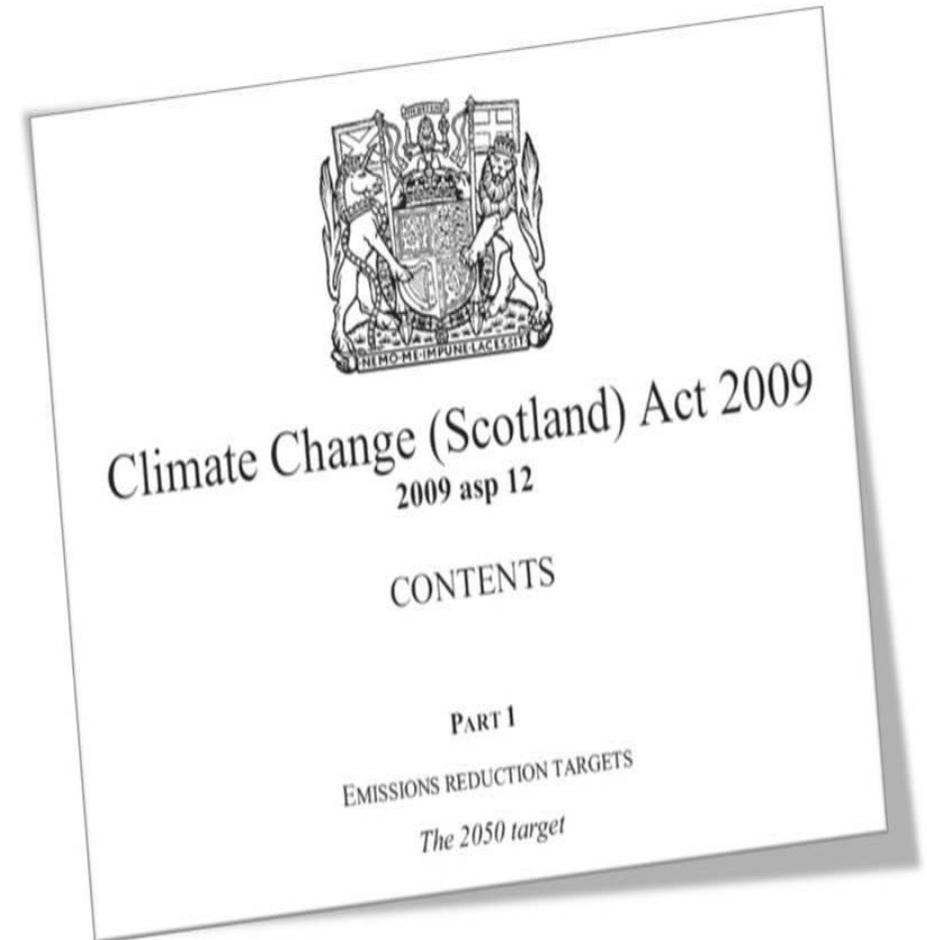
Enabling organisations, businesses and communities to adapt to the impacts of climate change

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- National context
- Edinburgh
- Glasgow
- Levenmouth

Scottish Ministers must lay a Programme before Parliament that sets out:

- Response to managing risks set out in the UK Climate Change Risk Assessment
- Objectives for climate change adaptation
- Proposals and policies to meet those objectives



# First Adaptation Programme

- Recognised in the last independent assessment by the UK CCC's Adaptation Sub-Committee as a great early start
- Demonstrated first strategic approach to adaptation in Scotland
- Characterised by awareness raising, early action across sectors and case studies

## Climate Ready Scotland: Scottish Climate Change Adaptation Programme



Laid before the Scottish Parliament under Section 53  
of the Climate Change (Scotland) Act 2009

May 2014

SG/2014/83

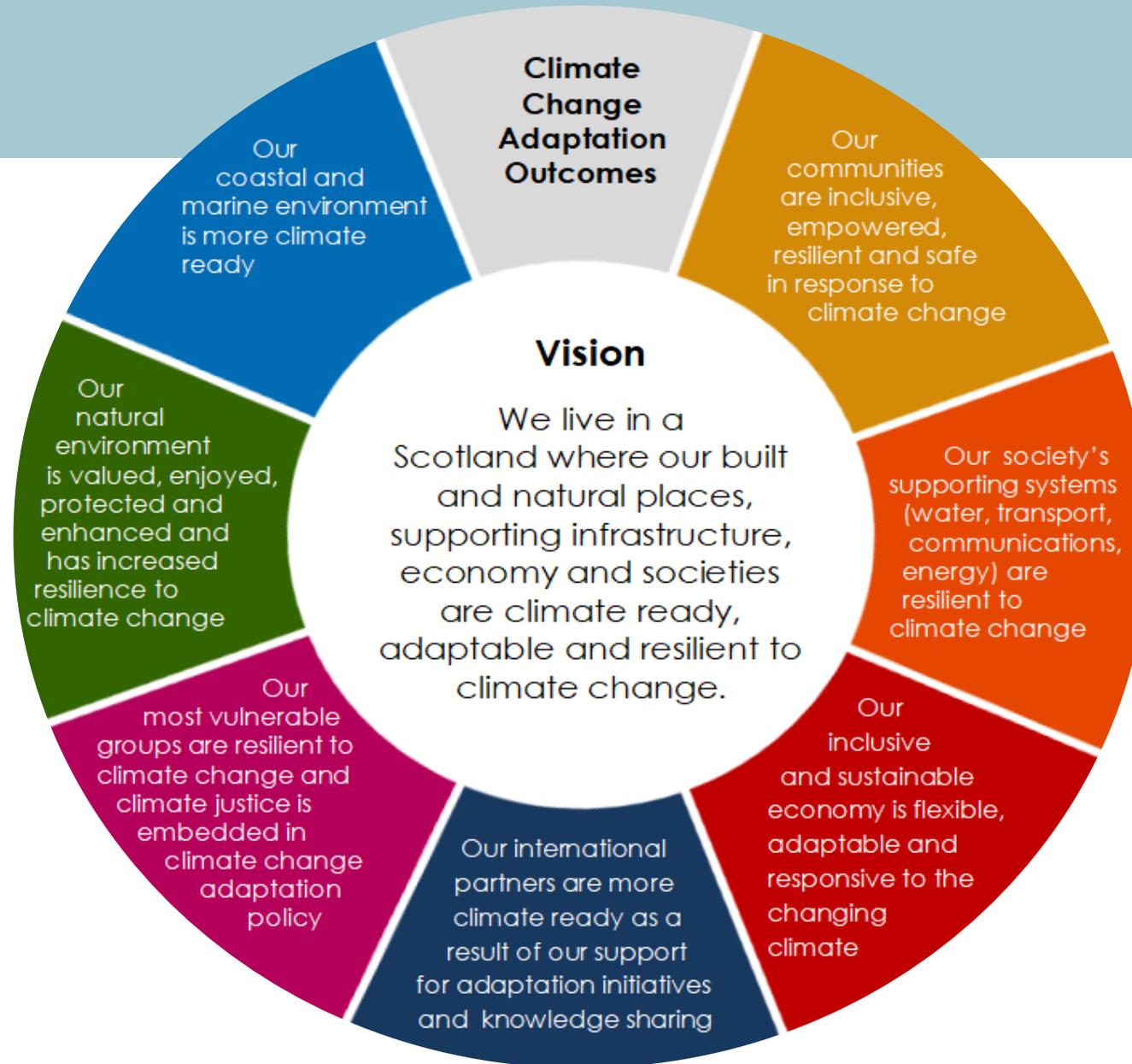


# Second Adaptation Programme – under development

## Outcomes focused approach

- Aligned with the UN Sustainable Development Goals and the National Performance Framework
- Efficient for planning and delivery with less duplication
- Positive and hopeful





Resilient Edinburgh  
Climate Change Adaptation Framework  
For Edinburgh 2014 - 2020  
Evidence base and risk analysis



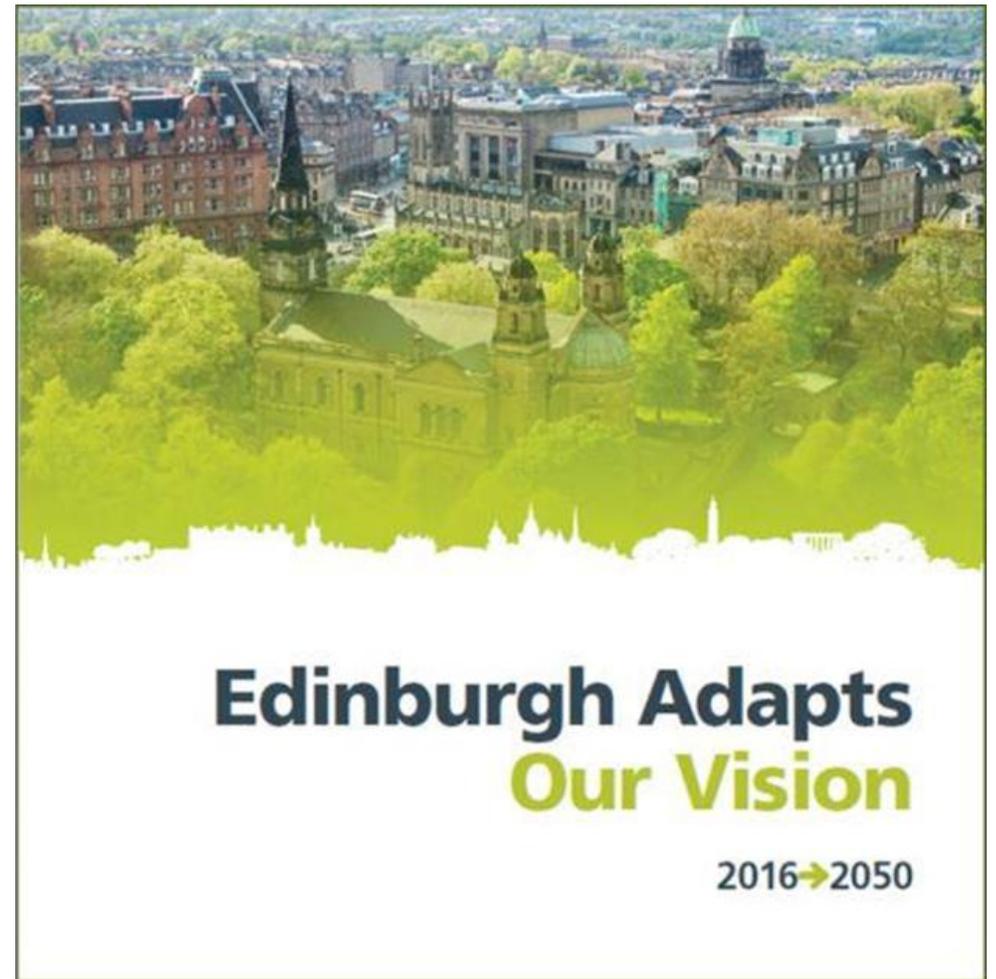
THE EDINBURGH PARTNERSHIP  
SUSTAINABLE DEVELOPMENT

How is climate change impacting  
Edinburgh?

What are the risks and  
opportunities?

◆ EDINBURGH ◆  
THE CITY OF EDINBURGH COUNCIL

# Edinburgh Adapts: 5 Years, 100 Actions



## Demonstration rain garden

*“The rain garden will provide a simple, attractive and wildlife friendly way of reducing flood risk. It will also provide inspiration and knowledge for visitors and other institutions who may need to solve a similar problem”.*

*“We will be investigating which native Scottish plants, shrubs and wildflowers are best placed to help the rain garden hold and slowly release rainwater into the soil, as well as cope with drier conditions”.*



Heriot-Watt Uni  
@HeriotWattUni

Follow



Flooding experts from @HWU\_EGIS are working with @TheBotanics to design a rain garden that will help rainwater drain naturally. Find out more here: [ow.ly/1EZ530mfwTs](https://ow.ly/1EZ530mfwTs) #gardening #flooding #helpfulplants



3:15 am - 16 Oct 2018



## 72% of the buildings in the Edinburgh World Heritage Site are in need of repair

- Guide to maintaining traditional buildings
- CPD training
- Engaging residents
- Developing climate risk assessment for the world heritage site



HISTORIC  
ENVIRONMENT  
SCOTLAND

ÀRAINNEACHD  
EACHDRAIDHEIL  
ALBA



EDINBURGH WORLD HERITAGE

THE SCOTSMAN Saturday 26 November 2016 7

SCOTSMAN.COM @THESCOTSMAN

## New dossier raises alarm bells on Edinburgh's crumbling buildings

● Experts warn 'phantom menace' is endangering historic tenements

@EDINBURGHWH

By BRIAN FERGUSON

Edinburgh's World Heritage site is at serious threat from the decline of crumbling tenements in the heart of the city.

A survey of more than 200 different sites has found that nearly three-quarters of buildings in key Old Town thoroughfares are in need of repair.

Experts have raised concerns about a growing "complacency and lack of attention" over historic buildings that could lead to them decaying and becoming dangerous unless problems are tackled.

The Edinburgh World Heritage (EWH) trust, which instigated the research, said "bits will start falling off buildings" if the decline is allowed to accelerate. It has described the



↑ EWH director Adam Wilkinson along with some of the decay which is blighting Edinburgh's Old Town

MAIN PICTURE: IAN GEDDESON



## Climate change adaptation plan, 2018 – 2028

Published September 2018

- Senior ownership of actions
- Collaborating with regional partners and sector experts
- Formal risk management process agreed
- Focus on influencing major projects



# University of Glasgow; Western Infirmary Development

£1bn investment over 10 years

- Adaptation considered for the whole development
- Green surface water management infrastructure is currently being constructed
- Building level risk screening

Climate**Ready**Clyde



*The masterplan for the Western Infirmary development will bring the University of Glasgow's campus together over the next 10 years.  
(Source: Arup / 7N)*

- Climate Justice
- Community engagement
- Integrating adaptation into development and regeneration



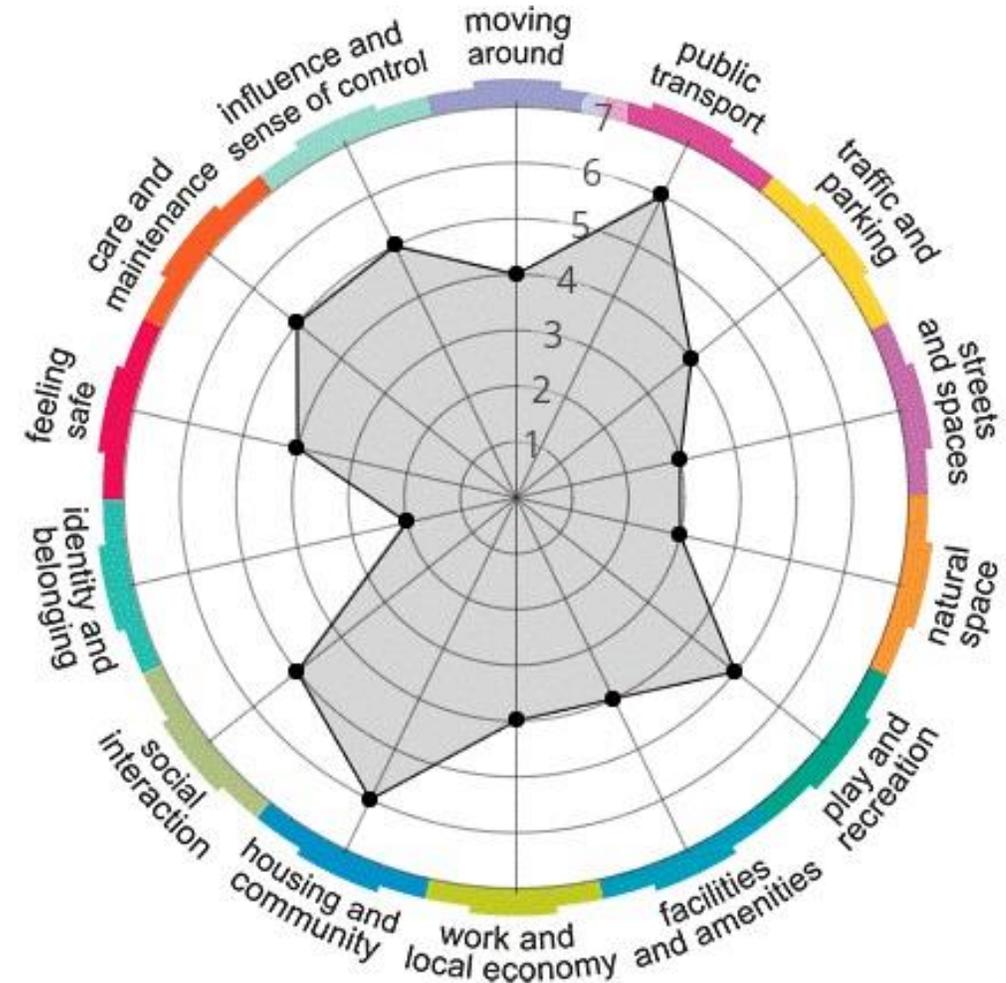
# Levenmouth Adapts



**Creative minds competition**

# Place standard tool and checklist for climate risk screening

- How does climate change affect our place?
- How can adaptation be addressed through development and regeneration?



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[www.adaptationscotland.org.uk](http://www.adaptationscotland.org.uk)



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# UNADAPTED

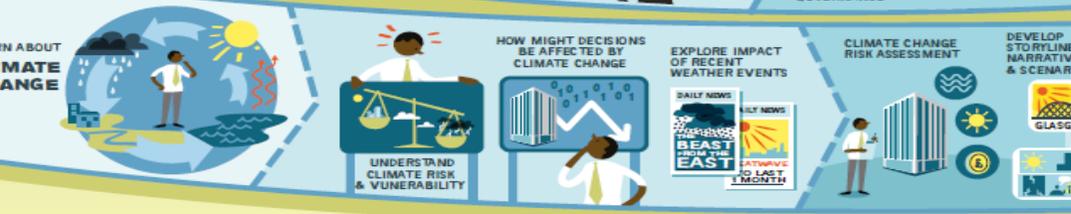
# ADAPTING

### ORGANISATIONAL CULTURE & ASSETS

### UNDERSTANDING THE CHALLENGE

### PLANNING & IMPLEMENTATION

### WORKING TOGETHER



# ADAPTATION CAPABILITY FRAMEWORK