

Adaptation Scotland

supporting climate change resilience

Climate Change Adaptation in Practice

Insight from the Adaptation Scotland Programme

Adaptation Community of Practice Event

April 25th, 2022



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



Ellie Murtagh, Climate Adaptation Services Specialist
ellie@sniffer.org.uk





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

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



- **Climate Change Scotland (2009) Act** as been in place for ~12 years.
- The Scottish Climate Change Adaptation Programme 2019-2024 takes an Outcomes-Based Approach and is integrated into National Outcomes and Sustainable Development Goals.
- There is a legislative requirement through the **Public Bodies Climate Change Duties** for all public sector organisations to report on adaptation progress.



Climate Change (Scotland) Act 2009



One way we support the public sector, is through the Adaptation Capability Framework.



Why did we develop the Adaptation Capability Framework?

The Adaptation Process commonly applied across Europe typically takes a risk-based, rigid, cyclical approach.

We recognised the need to support organisations at different stages of adaptation in a flexible and more holistic approach –extending beyond narrow risk focus.

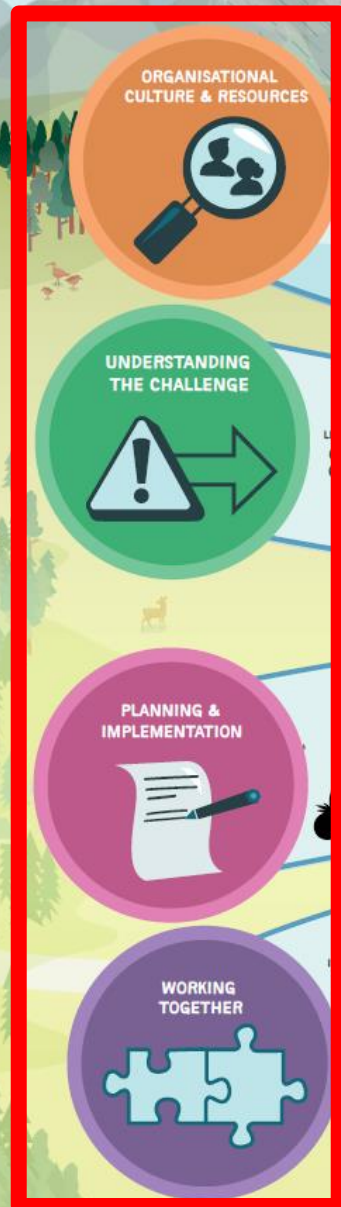


UNADAPTED

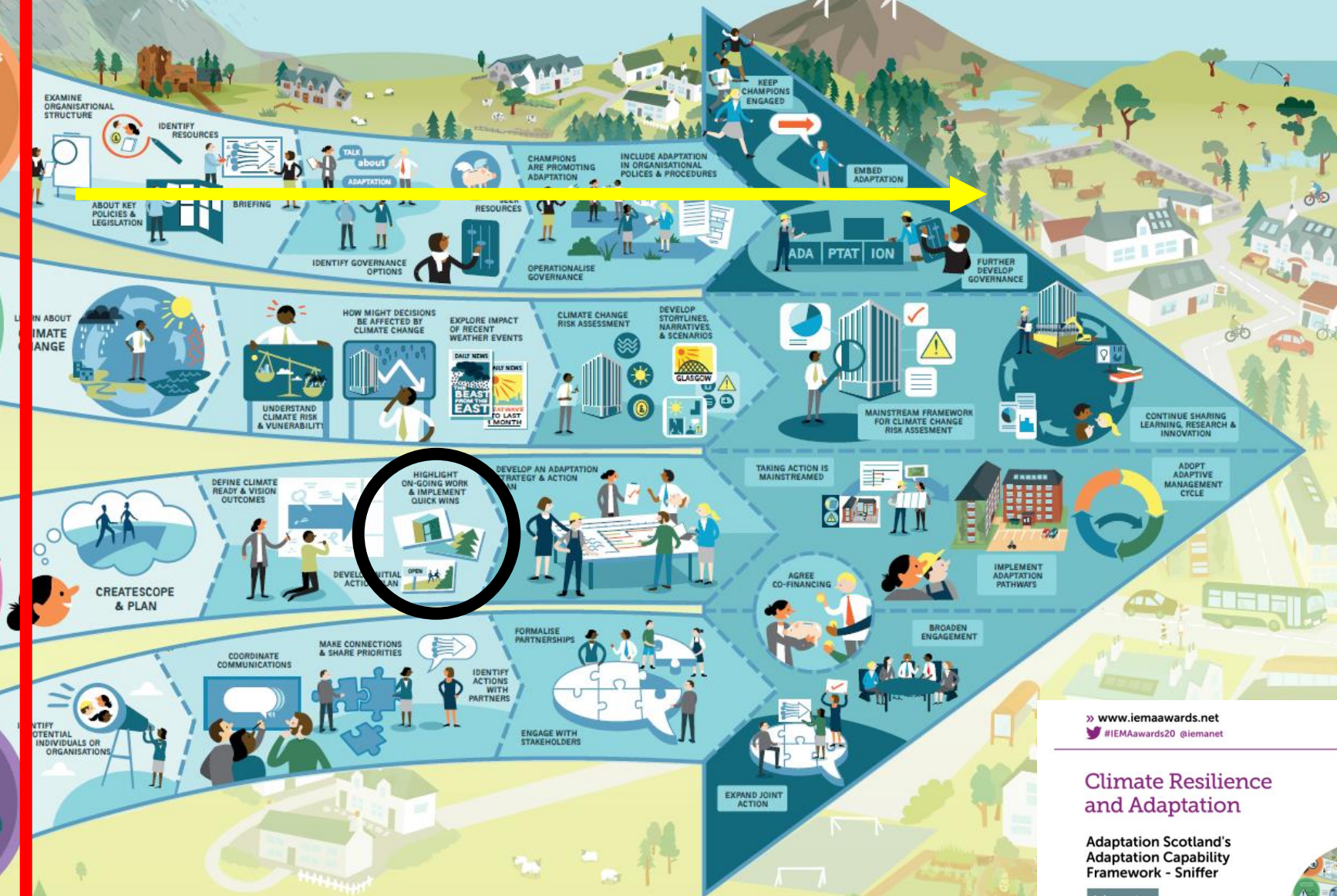
ADAPTING

Maturity Stages

Tasks



ADAPTATION CAPABILITY FRAMEWORK



» www.iemaawards.net
» [@IEMAawards20](https://twitter.com/IEMAawards20) @iemanet

Climate Resilience and Adaptation

Adaptation Scotland's Adaptation Capability Framework - Sniffer



IEMA
IMA Sustainability Impact Awards 2020
Preparation | Innovation | Transformation
WINNER





An expert working group co-created the new guidance. There was representation from a wide range of public sector organisations, including:

- Local authorities
- National Health Service (NHS)
- Universities
- Transport agency



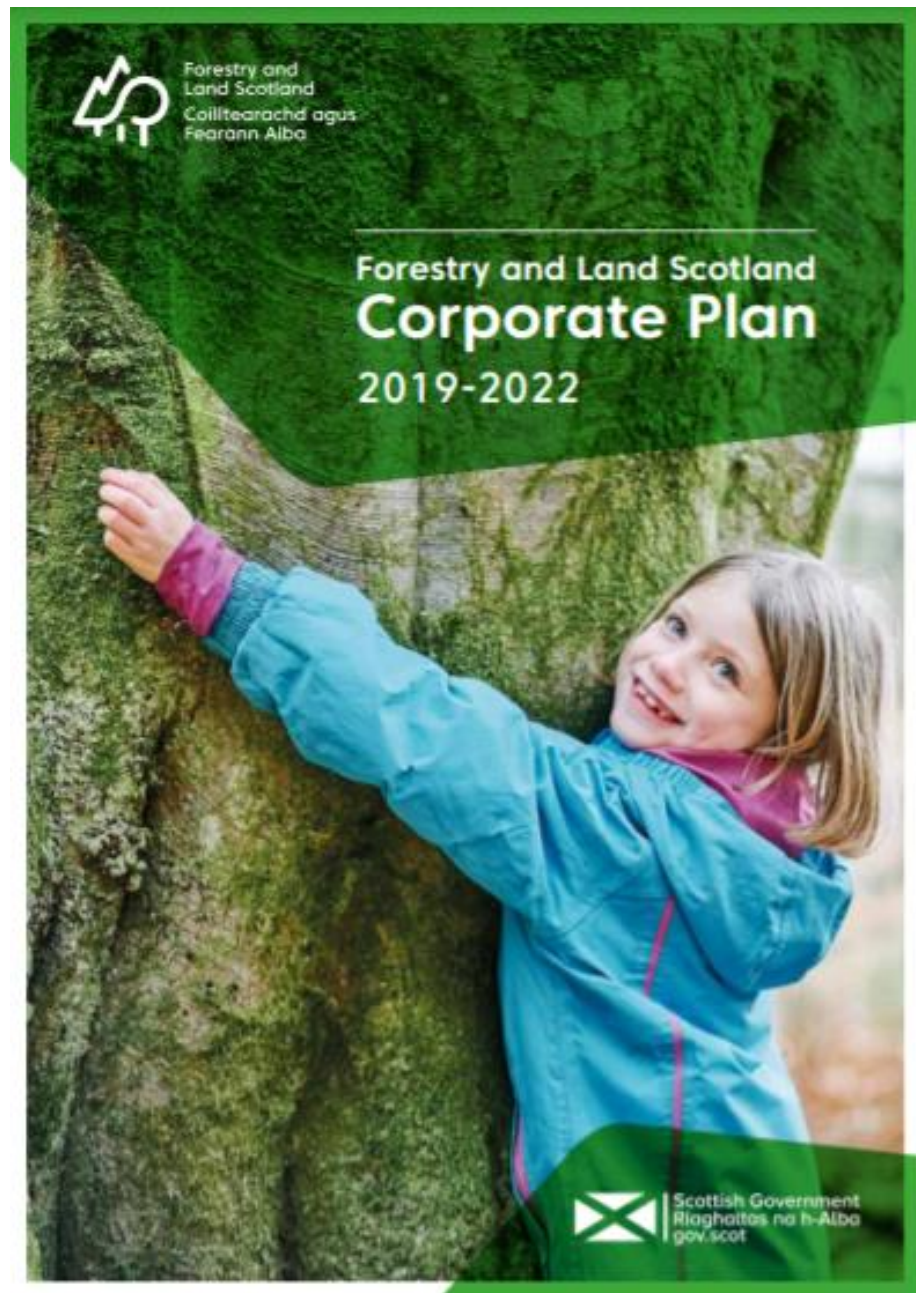
Case studies informed the development of the guidance.

They also demonstrate the benefit of progressing the capabilities in the Framework.



A Benchmarking Working Group of twenty five organisations meets regularly to provide peer support on how to advance adaptation and benchmark progress.

ORGANISATIONAL
CULTURE & RESOURCES



Forestry and
Land Scotland

Coilltearachd agus
Fearann Alba

Developing Organisational Culture & Resources Capability - Insights from Forestry Land Scotland

Case Study

On-going

Date added: 10/08/2020



This case study provides an overview of Forestry and Land Scotland's adaptation story so far and is followed by in-depth insights on the experience of using the Adaptation Capability Framework, focused on the Organisational Culture and Resources capability.

UNDERSTANDING
THE CHALLENGE



SCREENING FOR NATURAL HAZARDS TO INFORM

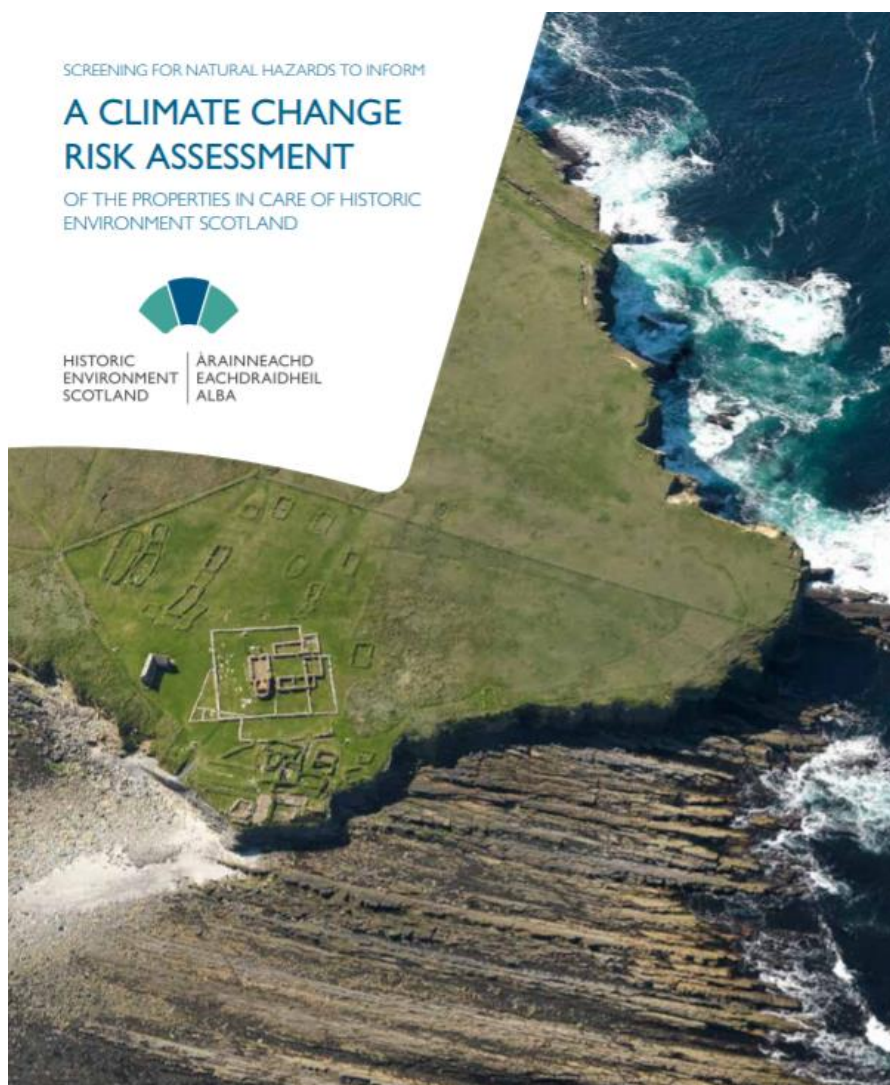
A CLIMATE CHANGE RISK ASSESSMENT

OF THE PROPERTIES IN CARE OF HISTORIC
ENVIRONMENT SCOTLAND



HISTORIC
ENVIRONMENT
SCOTLAND

ÀRAINNEACHD
EACHDRAIDHEIL
ALBA



A GUIDE TO CLIMATE CHANGE IMPACTS

REPORT

ON SCOTLAND'S
HISTORIC ENVIRONMENT



Our Place in Time

PLANNING &
IMPLEMENTATION

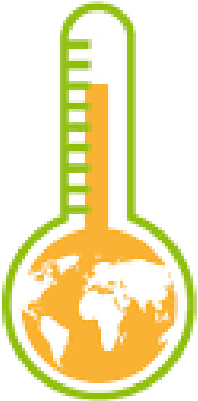


Theory of Change for a Climate Ready Glasgow City Region

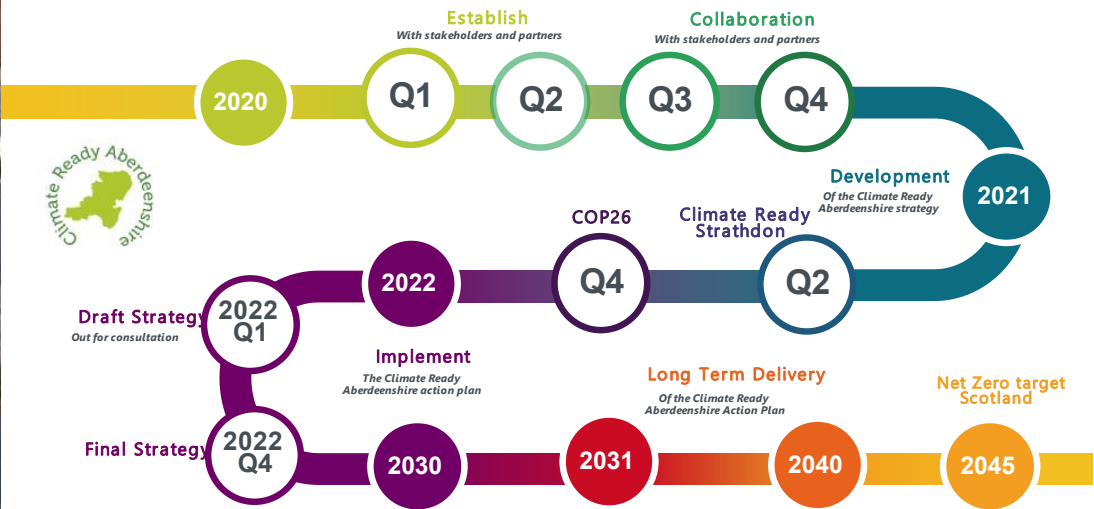
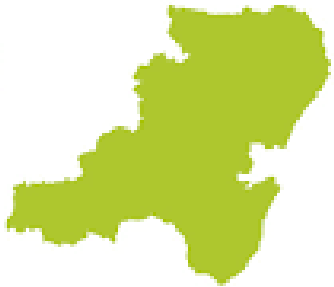
ClimateReadyClyde

Paul Watkiss Associates





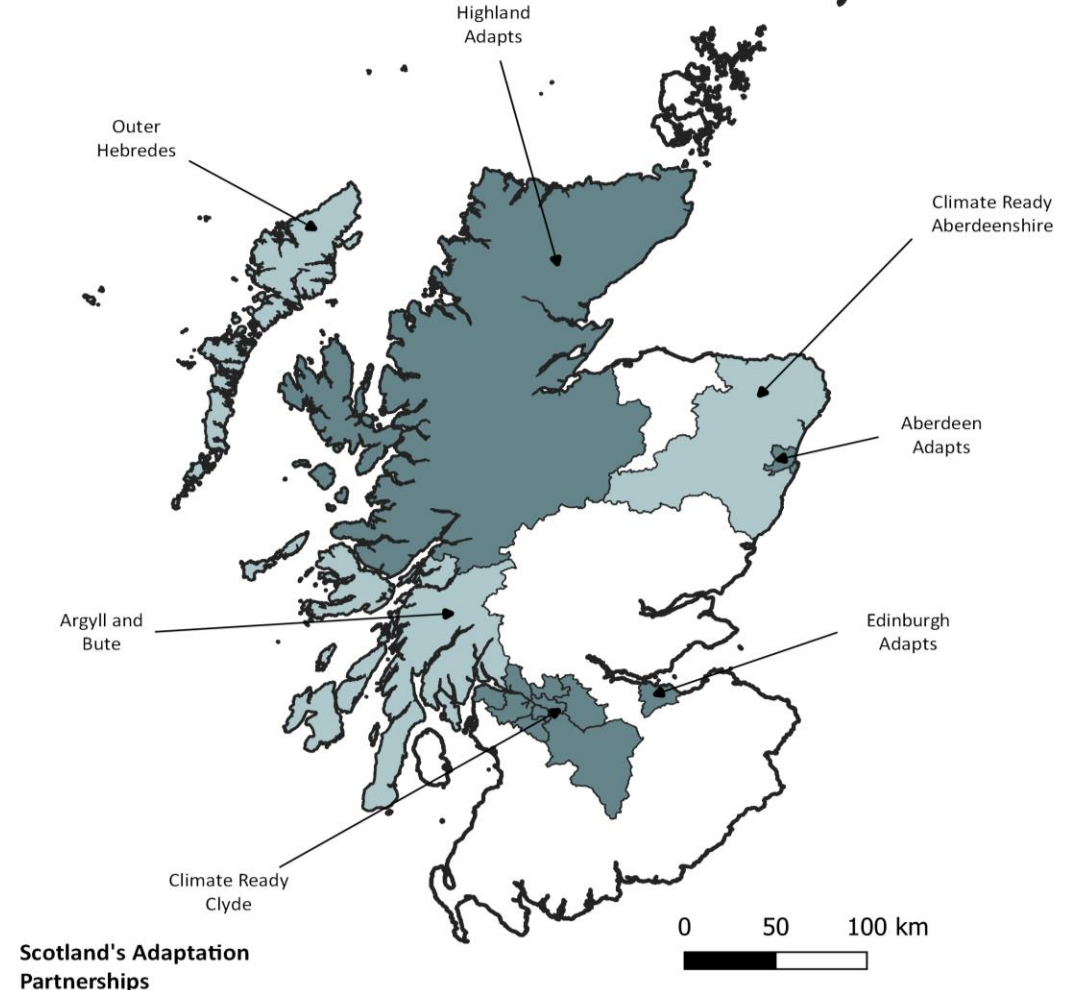
Climate Ready Aberdeenshire



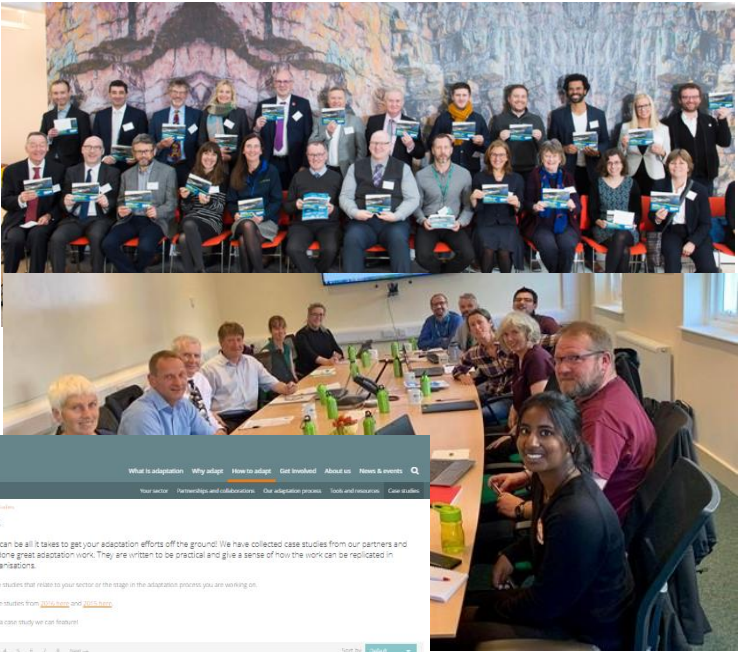
Climate Ready Places

Place based initiatives are being developed across Scotland

- There is no one size fits all approach for adaptation. Each place based initiative reflects the unique challenges, opportunities, characteristics and values of place.
- Collaboration is key – working across sectors and silos to develop joined up approaches to adaptation.



Place-based projects and resources



Adaptation Scotland

What is adaptation? Why adapt? How to adapt? Get involved? About us? News & events?

Case studies

An inspiring case study can be all it takes to get your adaptation efforts off the ground! We have collected case studies from our partners and from others who have done great adaptation work. They are written to be practical and give a sense of how the work can be replicated in other locations and organisations.

Use the filters to find the case studies that relate to your sector or the stage in the adaptation process you are working on.

You can download all our case studies from [this page](#) or [this page](#).

Please [contact us](#) if you have a case study we can feature.

Filter case studies

Sector: Any sector

Portfolios capability: Any capability

Project: All

Adaptation Adapt - ongoing communities The Adaptation Adapt - an adaptation strategy for Adaptation in the Open Markets & Climate Adaptation Learning Exchange for Communities Adaptation Learning Exchange for Organisations

Filter case studies

Using the Adaptation Capability Framework

18/09/2023

On going

Read more

Developing Organisational Culture & Resilience: Insights from Forestry Land Scotland

18/09/2023

On going

Read more

Understanding climate risk to ensure the effective delivery of health services in the Highland

28/05/2019

On going

Read more

Scottish Parliament - Planning for business continuity

18/09/2023

On going

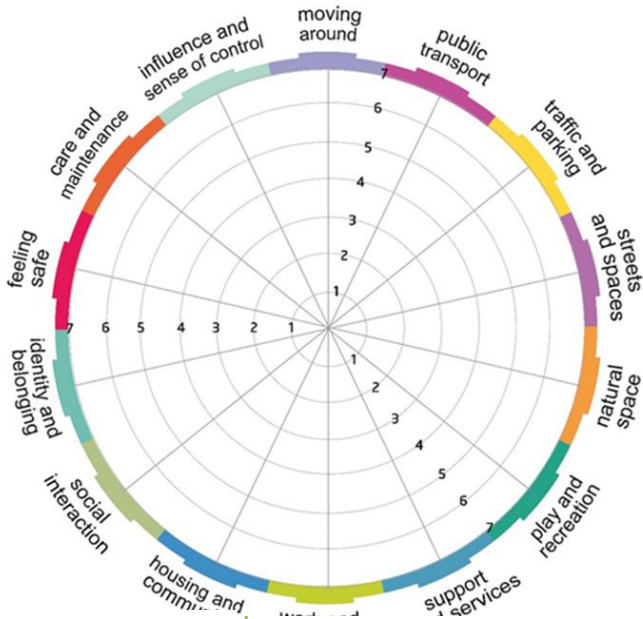
Read more

University of Glasgow: Developing an Adaptation Plan for Action

18/09/2023

On going

Read more



Community adaptation actions

PRACTICAL ACTIONS COMMUNITIES CAN TAKE TO INCREASE RESILIENCE IN THE FACE OF CLIMATE CHANGE

Adaptation Scotland

supporting climate change resilience

SOCIAL INTERACTION – Climate Adaptation

- Climate / Weather impacts:**
- Poor weather can reduce opportunities for people to interact when it stops them getting to or using different spaces in a community.
 - During (and after) extreme weather events people will be impacted and need to draw upon support of others in their local community. This can strengthen - as well as stress - social connections.

- Adaptation:**
- Social connections within a community (bridging) are a key factor in the communities overall resilience in response to disruptive events. These don't have to focus on climate resilience issues to be beneficial, but if they do include this then they can help address local issues.
- Encourage the formation of resilience / climate-focused community groups... funding / fund-raising to enable them to take action.
 - Support wide range of social interactions and community groups... climate 'conversations' and action are often taken up by groups that are set up for other purposes.
 - Ensuring that vulnerable and isolated people are connected to their community, they are often most exposed to climate-related risks.
 - Place principle... people and communities can shape their own place... if 'made real' it is an opportunity for adaptation to be addressed, alongside other issues.

Additional Questions:

- Are there many active local groups and networks? Do a lot of people get involved? Do they help people feel positively involved in the community?
- In an emergency (e.g. flooding, heatwaves) is everybody 'looked after'? Are there isolated or vulnerable people that might not be getting help? Are people supported by the community afterwards (some effects can be long-lasting)?

<https://www.adaptationscotland.org.uk/>



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- **Climate Finance** – We host a national Climate Adaptation Finance Working Group.

Economic advisory support services
for the Adaptation Scotland
Programme

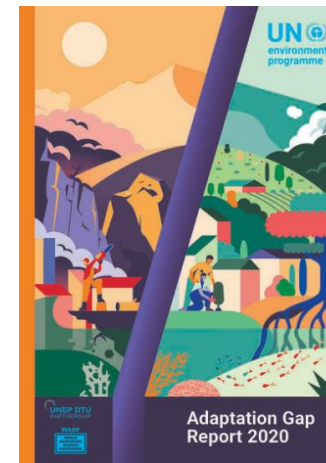


Business cases – financing options
and results

Summary Report

Paul Watkiss Associates

March 2022



**Adaptation
Scotland**
supporting climate change resilience

- **Business Support** – Have developed guidance for the private sector.



Home > News & events > Stories > Adaptation Session for elected members

News 01/07/2019

Adaptation Session for elected members

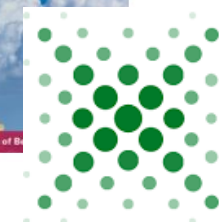


The Adaptation Scotland program

On Wednesday 19 June, Councillors from across Scotland met at Glasgow City Chambers to discuss climate change adaptation and local government's role in strengthening resilience to climate related risks at the local level.



- **Leadership and Policy Support**- Training sessions for elected members



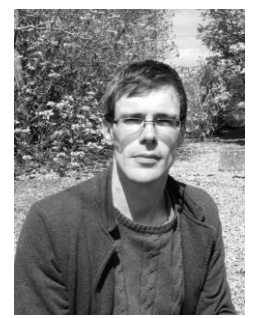
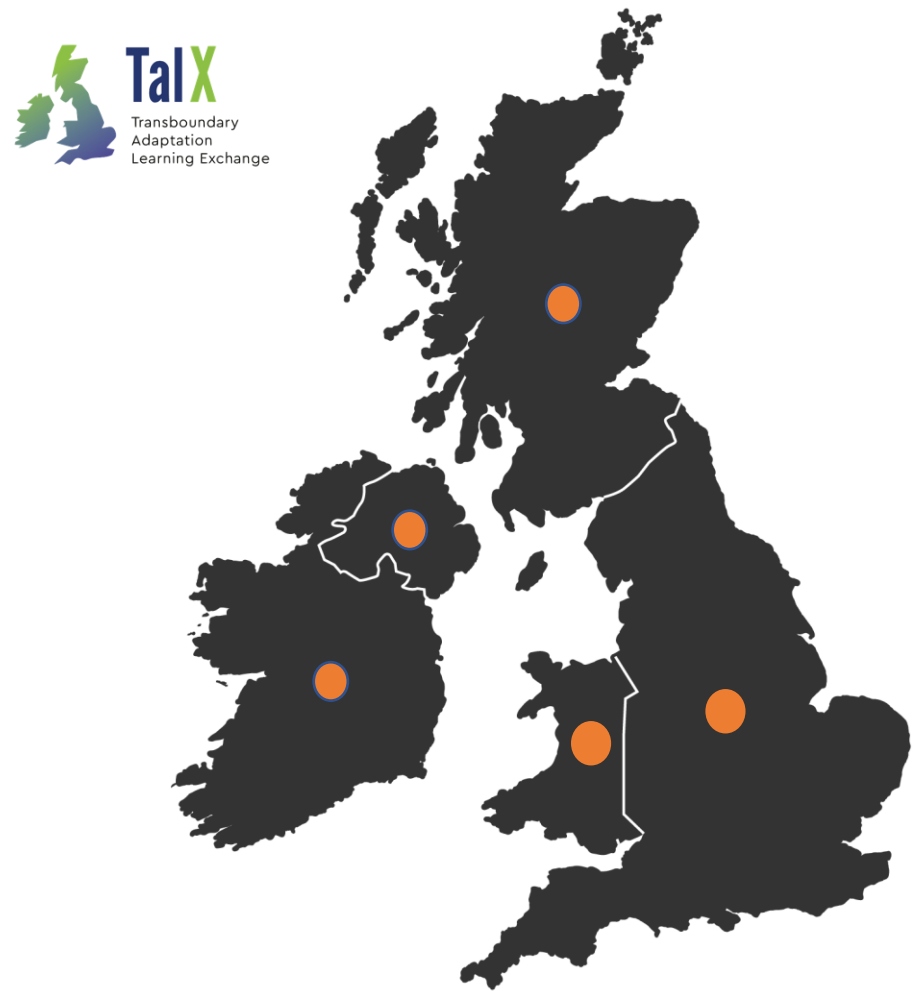
**Scotland's Climate
Assembly**
Seanadh Gnàth-shìde
na h-Alba



sustainability charity Sniffer.



Transboundary Adaptation Learning Exchange



Barry O'Dwyer
Principal Investigator



Denise McCullagh
Lead Researcher



Jane McCullough
CNI Lead (maternity leave)



Jade Berman
CNI Researcher



Anna Beswick
Sniffer Lead



Ellie Murtagh
Sniffer Researcher

TalX Project Objectives



1. **Identify best practice criteria** for climate adaptation planning and **assess the enabling environment** for climate adaptation across the five case study jurisdictions;
2. Identify the **key dimensions for effective adaptation** and **create a Capability Maturity Model (CMM)** to enable the implementation of effective place-based climate adaptation partnerships;
3. **Establish a learning network** across the case study jurisdictions to accelerate progress and allow for the monitoring and evaluation of the CMM in different contexts.

Find out more at: <https://talx.ie/>



Existing Adaptation Related Groups and Communities of Practice

- Adaptation Scotland's Benchmarking and Climate Finance Working Groups

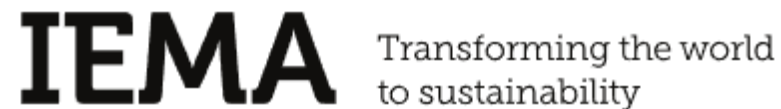
- Transboundary Adaptation Learning Exchange (TalX)



- Place Based Climate Action Network (PCAN)



- Institute of Environmental Management and Assessment (IEMA)
Climate Change Group



- International Platform on Adaptation Metrics (IPAM)



- There is no one size fits all approach to adaptation
- Effort to build capacity (and develop adaptation capabilities) supports adaptation action on the ground.
- Communities of practice support knowledge exchange + partnership working
- Adaptation requires appropriate resource. More work is needed to understand and overcome barriers to accessing climate finance and funding.



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[@adaptationscotland](https://twitter.com/adaptationscotland)



www.adaptationscotland.org.uk



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