

Case study:

TAYPlan and planning guidance.

The TAYPlan region covers an area of 8,112 square kilometres including Dundee, Angus, Perth and Kinross and the northern part of Fife. TAYPlan is innovative and forward-looking in putting climate change adaptation at its heart.

We designed and ran two workshops aimed at supporting TAYPlan partners to identify key adaptation issues and policy priorities for the next strategic development plan. The workshops were developed and run in collaboration with key agencies and public sector partners and the outputs are being used to help shape the next strategic development plan.

What we do...

Promote wider understanding and uptake of place-based adaptation.

What we have achieved...

Strategic Development Planning Authorities are using our training resources for planners. These have been developed with key agencies and local authorities to identify opportunities to include adaptation within strategic development plans. To complement the resource we have brought together a working group with members from Scottish Government, SNH, A+DS, Historic Scotland, SEPA, Greenspace Scotland, Perth & Kinross Council, West Lothian Council, University of Edinburgh, Transport Scotland, Scottish Water and Glasgow City Council to develop a set of adaptation visuals for use by stakeholders across Scotland. The visuals will show climate change adaptation measures for a range of Scottish landscapes. Users will be able to contrast and compare 'unadapted' and 'adapting' places online.

Key regional organisations and partnerships, including the Glasgow and Clyde Valley Strategic Development Planning Authority, the Glasgow and Clyde Valley Green Network Partnership, the Metropolitan Glasgow Strategic Drainage Partnership, Glasgow City Council, Strathclyde Partnership Transport and Scottish Water, are endorsing and championing the Climate Ready Clyde vision document, which sets out a positive vision for Glasgow and the Clyde Valley. This is vital to developing a regional adaptation strategy and action plan. Climate Ready Clyde was initiated by Adaptation Scotland but is now moving forward as an independent partnership, which we are very proud to be part of.

What we do...

Increase businesses' understanding of climate threats and opportunities linked to existing corporate objectives.

What we have achieved...

Businesses now have a simple, streamlined approach to assessing and managing their climate risks through Adaptation Scotland's 'climate risk management plan' template. The template was piloted with Royal Mail and ScotRail. It is a cost-efficient tool that minimises duplication. The template has been promoted and used across sectors including marine and land-based sectors in the UK and internationally, e.g. Marine Climate Change Impacts Partnership and by businesses participating in the project "A changing climate for business" led by INDEA AB and Stockholm Environment Institute.

Case studies showcasing our climate risk assessment work with Royal Mail, FirstGroup (Bus) and ScotRail have reinforced Scotland as a leader on adaptation in the private sector, both nationally and internationally. This was evident in the request to organise a study trip for a Swedish business delegation in early 2014. The delegation wanted to look at Scotland's partnership approaches and how adaptation has become a priority for Scottish businesses.

Case study:

Scotland as a case study in the IMPRESSIONS project.

The 5-year €9 million EU-funded IMPRESSIONS (Impacts and Risks from High-End Scenarios: Strategies for Innovative Solutions) project aims to increase our understanding of the consequences of high-end climate change. The project will also help decision-makers apply this knowledge within integrated adaptation and mitigation strategies.

The project involves an international team from 27 research institutions covering 18 countries. Scotland is an important case study in the project and Adaptation Scotland will play a key role in making sure that policy makers from across Scotland are involved and benefit from the work.

What we do...

Provide the latest scientific information and inspiring examples, and build networks to keep stakeholders up to date.

What we have achieved...

Stakeholders are learning about climate trends and projections for Scotland through our accessible and visually engaging online tool. We also support in-depth interactive tools to access climate information on Scotland's Environment Website.

Our presentations and briefings on climate change are based on up-to-date scientific resources and presented in a way that makes them effective for a wide range of audiences. This includes case studies of good practice in Scottish adaptation on our website and on the international portal WEAdapt.

We have important links and partnership working with ClimateXChange, LWEC, ARCC and other partners in Scotland, the UK and abroad. This has resulted in us taking part in high profile international projects, like the IMPRESSIONS project.

Scotland's Adaptation Conference showcased a wide range of the adaptation work underway in Scotland to 200 delegates.

The Adaptation Scotland Blog provides views on a wide range of adaptation topics from the Adaptation Scotland team and guest contributors.

Our monthly newsletter has over 500 subscribers and we have a growing following on social media, including more than 700 twitter followers.



January 2014 Climate risk management plan template for businesses is published

February 2014 Speaker at Sniffer's Flood Risk Management Conference

February 2014 Swedish business visit

February 2014 Launch of IMPRESSIONS project where Adaptation Scotland is part of organising the case study on Scotland

March 2014 Adapting to climate change - introductory workshops in Inverness, Glasgow and Edinburgh

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supporting climate change resilience

Supporting a climate ready Scotland

ADAPTATION SCOTLAND ACHIEVEMENTS 2013-14

Building momentum for a climate ready Scotland

Adaptation Scotland supports businesses, organisations and communities to prepare for and build resilience to the impacts of climate change. This year we have seen adaptation rise up political and organisational agendas across Scotland. For us it has been a year marked by showcasing and inspiring action based on Scotland's position as a leader in climate change adaptation.

From organising a session on integrated adaptation approaches at the first European Climate Change Adaptation Conference in Hamburg in March, to Glasgow being chosen as one of five European cities to join the Rockefeller Foundation 100 Resilient Cities network, based in no small part on our work initiating Climate Ready Clyde, 2013-14 has been the year we have seen adaptation firmly established as a political priority. The range of adaptation activities in Scotland is expanding. Scotland is out in front, making connections and inspiring action.

The end of the year gave a pointer to future action. Based on our role in the Climate Ready Clyde project, which was initiated through the Adaptation Scotland programme, we gave evidence to the Scottish Parliament's Rural Affairs, Climate Change and Environment Committee for their scrutiny of the draft Scottish Climate Change Adaptation Programme. We were also invited to present to the Public Sector Climate Leaders Forum.

But our work is much more than high profile projects. We are enabling long term change through supporting collaboration and building the capacity of individuals and organisations to increase resilience and adapt. Feedback from our working groups, projects and events demonstrate how many individuals and organisations now feel able to take action. We are proud to be building momentum for a climate ready Scotland.

Case study:

Introduction to adaptation training

In March 2014, we delivered three "introduction to climate change adaptation" training events as the culmination of a complete update of our public sector guidance.

These workshops were an important part of rolling out the 'Five steps' approach. Around 70 public sector practitioners from organisations including British Transport Police, Scottish Prison Service, NHS, SEPA, Historic Scotland and Scottish Ambulance Service – as well as local authorities from the Shetland Isles to Dumfries and Galloway, attended the three events held in Inverness, Glasgow and Edinburgh.

The training days introduced the new 'Five Steps' approach to managing climate risks in accordance with the Public Bodies Climate Change Duties. Feedback showed the training was important to:

- ▶ facilitate new connections within organisations, by bringing together Risk Managers and Sustainability Managers who had never met to discuss adaptation;
- ▶ facilitate new connections between organisations;
- ▶ inspire practitioners to talk to their colleagues and senior management teams about adaptation; and
- ▶ give practitioners the inspiration and confidence to begin adaptation planning – or to take it to the next level – by providing relevant information and guidance.

What we do...

Support public sector to play an active role in planning and taking action to adapt to climate change.

What we have achieved...

We have built strong partnerships between practitioners through the Climate Risk Support Group, a peer-led group made up of 20 local authorities. The group was initiated following demand from public bodies for a forum to share adaptation challenges and successes. The group gives practitioners inspiration and confidence to progress adaptation within their organisations. It has given members the confidence to start engaging colleagues and senior managers about the threats and opportunities that climate change could pose to corporate objectives.

The group was instrumental in redeveloping Adaptation Scotland's Public Sector Workbook into the 'Five steps to managing your climate risks' guidance. We also engaged with practitioners and senior managers as part of the research and development process. This helped raise awareness of adaptation at management level, while ensuring that the new guidance was realistic and achievable for practitioners and managers alike. The Scottish Government, SEPA, UKCIP, COSLA and the Sustainable Scotland Network were also involved in developing the guidance. The 'Five steps' gives the public sector a standard approach for adaptation planning and reporting. The guidance has been launched with public bodies at events across Scotland. We are working with SSN to establish the 'Five Steps' as the standard for assessing all adaptation action under the Scottish Climate Change Declaration.

We have introduced the Public Sector Climate Leaders Forum to our tools and partnership approaches. This Forum now recognises these in its work to drive forward adaptation planning and action across the public sector.

What we do...

Identify new opportunities to support community adaptation planning and action.

What we have achieved...

Communities can access funding to increase local resilience and climate action through the Climate Challenge Fund (CCF). Our support in establishing pilot community adaptation projects and our review of their success informed the Scottish Government's decision to extend the terms of the CCF to encourage projects that support climate resilience activity alongside carbon reduction.

We have identified ways that communities can be supported to adapt to climate change. A workshop exploring how community-facing organisations may integrate climate change adaptation as a topic in their work was held in August with 17 organisations. The report from the workshop lists a range of potential adaptation projects and we are continuing to work with these organisations to integrate climate change adaptation as one aspect in their work with communities. We have developed online resources to support communities which are interested in starting conversations on adaptation and resilience. Resources include climate story films and workshop materials which help communities start to identify local climate change impacts and actions that they can take to build resilience.

Case study:

Inspiring action with case studies

We have posted a range of case studies to inspire community action on our website. They show communities examples of what can be done and how different communities take different adaptation actions.

One of the case studies showcases the work of a community to increase climate resilience in Hazelhead Park, Aberdeen. For example, local residents – young and old – are taking part in tree planting to improve the park's surface water management and to provide shelter when temperatures are high.

Managing greenspace also provides a range of other health and well-being benefits for the community.



Time line events Adaptation Scotland 2013-14

March 2013 Organised Scottish showcase at the first European Climate Change Adaptation conference in Hamburg, Germany

April 2013 Workshops on climate information needs amongst Scottish stakeholders

April 2013 Speaker at the International Institute for Environment and Development seminar

May 2013 Our Adaptation board game is made available to download

June 2013 Launch of Adaptation Scotland blog

July 2013 First meeting of Climate risk support group

August 2013 Towards climate ready communities workshop

September 2013 Hosted Scotland's Adaptation Conference

October 2013 Speaker at Next steps for UK climate change policy: delivering the National Adaptation Programme in Westminster

November 2013 Chair and Speaker at Sustainable Scotland Conference

November 2013 A vision for a Climate ready Clyde is published

December 2013 Glasgow is one of 5 European cities selected for the Rockefeller Foundation's 100 Resilient Cities Network, based on work initiated through our Climate Ready Clyde project

January 2014 'Five steps to managing your climate risks' guide for public bodies is published

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

Registered in Edinburgh.
Registered Office: Edinburgh Quay,
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Scottish Charity No SC022375, Company No SC149513.

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