

Invitation to Quote:

Direct and indirect effects of climate change on social care delivery

Introduction

ClimateXChange wishes to commission a study into the direct and indirect effects of climate change on social care delivery, including any distributional differences, in order to identify cost effective adaptation options.

Background

The UK Climate Change Risk Assessment has identified climate change as one of the greatest risks to public health in the UK, and one which will impact vulnerable people disproportionately¹. However, there are significant gaps in our knowledge and data to enable and assess appropriate action:

- There is no data available on the impact of the steps taken to date to reduce the vulnerability of the social care sector to climate change, though some baseline data exists on health and social care institutions situated in flood risk areas²
- There are significant evidence gaps concerning the resilience of the social care sector to extreme weather and incremental changes in the climate.
- The Sustainable Development Strategy for NHS Scotland requires each NHS body to produce action plans that consider the effects of climate change on facilities.
- It is not clear whether there are any plans that consider improving the resilience of social care provision delivered by local authorities.

With new health and social care partnership arrangements for each of the 32 Local Authority areas in Scotland, social care will need to 'catch up' with health care in relation to its understanding of and planning for climate related risks, as one of a set of risks facing the sector and one that may be seen as a multiplier for other risks. Planning for the impacts of climate change will be necessary in the delivery of care itself (Care at Home) as well as in understanding the extent of the risk for social care facilities and the sector's dependencies on different areas of infrastructure, particularly transport and telecommunications.

¹ <https://www.theccc.org.uk/tackling-climate-change/preparing-for-climate-change/uk-climate-change-risk-assessment-2017/>

² <https://www.theccc.org.uk/publication/scottish-climate-change-adaptation-programme-an-independent-assessment-for-the-scottish-parliament/>

Research objectives

The aim of this study is to understand what direct and indirect impacts climate change may have on social care provision in Scotland, including any distributional differences, in order to help enable cost effective adaptation. In relation to climate change the study will answer the questions:

- What is the current exposure, vulnerability and adaptive capacity in the social care sector?
- How can future exposure and vulnerability in the social care sector be assessed?
- How can the social care sector build adaptive capacity?

In order to achieve this the study will look at:

- **direct impacts** on buildings and infrastructure needed for service delivery from extreme weather, rising temperatures and other weather related disruptions; and
- **indirect impacts** from changing demand on services as a result of premature deaths or increases in certain diseases as a result of temperature or precipitation.

This should include any economic impacts.

The project will have two phases:

1. Scoping of appropriate methodology
2. Map and assess impacts and recommend priority adaptation options

Project governance

The project will have a Steering Group with members from the Scottish Government and ClimateXChange, and representatives from the social care, resilience, emergency response and infrastructure sectors.

The Steering Group will meet to discuss the remit of the project at the outset, to sign off research design based on phase 1, and to discuss the findings and final outputs.

The lead contact for ClimateXChange will be Adaptation Research Manager Anne Marte Bergseng. Update calls in addition to the Steering Group meetings will be scheduled between the contractor's project lead and the CXC project manager to discuss progress.

Methodology

Tenderers are invited to put forward proposals on how to best meet the research objectives within the budget available. A full explanation of your chosen approach, including any limitations, should be provided.

The work should build on the latest available climate change projections, risk assessments and health and social care analysis, including:

the UK Climate Risk Assessment 2017, in particular the summary for Scotland

<https://www.theccc.org.uk/tackling-climate-change/preparing-for-climate-change/uk-climate-change-risk-assessment-2017/>

the Adaptation Sub-Committee's independent assessment of the Scottish Climate Change Adaptation Programme <https://www.theccc.org.uk/publication/scottish-climate-change-adaptation-programme-an-independent-assessment-for-the-scottish-parliament/>

NHS Health Scotland's Strategic Plan <http://www.healthscotland.scot/publications/a-fairer-healthier-scotland-a-strategic-framework-for-action-2017-2022>

ClimateXChange's assessment of the risk of overheating in healthcare buildings

<https://www.climateexchange.org.uk/research/projects/the-risk-of-overheating-in-healthcare-buildings/>

ClimateXChange's identified research needs for the forthcoming second Scottish Climate Change Adaptation Programme <https://www.climateexchange.org.uk/research/projects/identifying-climate-change-adaptation-research-needs/>

Outputs

This project is commissioned on behalf of the Scottish Government and presentation of the results should be in a form that can be easily understood by readers without a science background.

The findings should be framed to inform the Scottish Climate Change Adaptation Programme and future integrated health and social care policy.

The format and language needs to be clear and with focus on findings and constructive recommendations.

The outputs for this project will include:

- Phase 1: Concise research scoping document of no more than five pages
- Phase 2: Concise two page note of main findings and recommendations
- Phase 2: A report of no more than 10 pages.
- Phase 2: A verbal presentation of findings as required.

The outputs will be written in plain English and follow the CXC style guide, presenting findings against the criteria agreed.

The ownership of the research material including the final report and any data produced as a result of the research lies with ClimateXChange on behalf of Scottish Ministers. The research will be published on the ClimateXChange website, the date and format of which will be determined by the Scottish Government and ClimateXChange.

Project Timetable

Milestone	Completed by 15 March 2019
Phase 1 kick off meeting to agree <ul style="list-style-type: none">• Scoping approach• Resolution of any outstanding questions/ exceptions• Roles of steering group members in supporting the contractor, and project communication	By mid-September 2018
Phase 1 draft report	By 31 October 2018
Steering Group meeting to sign off scope	By 20 November
Phase 2 kick-off meeting, to agree <ul style="list-style-type: none">• Overall approach	In conjunction with above if possible

<ul style="list-style-type: none"> Resolution of any outstanding questions/ exceptions Roles of steering group members in supporting the contractor, and project communication 	
Progress reporting to CXC	TBC at kick-off meeting (Standard fortnightly)
Presentation of interim findings to Steering Group	By 15 January 2019
Submission of draft report	By 15 February 2019
Steering Group meeting to sign off recommendations	By 1 March 2019
Submission of final report	15 March 2019

• **Award Criteria**

Price		20%
Quality		80%
	1. State the team members' names and their role in the team for this project.	Not scored
	2. Understanding of the research specification and the policy environment. <ul style="list-style-type: none"> The proposal should include an introduction which demonstrates a clear understanding of the research requirements, including an understanding of the policy environment and the supporting role of this research; the need for this research; the research aim; and how the proposal will address this aim. 	25
	3. Proposed Methodology <ul style="list-style-type: none"> Outline the approach the proposed team will take to undertaking this research, including any limitations. 	30
	4. Reporting <ul style="list-style-type: none"> Demonstrate the proposed team's capability in communicating research effectively in a fast-moving policy environment Demonstrate experience of writing reports for a non-specialist audience. 	15
	5. Risk <ul style="list-style-type: none"> Present a risk assessment matrix detailing any risks identified in relation to the delivery of this project, and proposed mitigation measures to minimise their probability and impact, focused particularly on risk to completion on time and quality control. 	10

- **Submitting a proposal**

Please send a **brief** proposal (no more than four pages of substantive text) responding to each of the award criteria above, including work plan with deadlines, CVs for the proposed delivery team, applicable day rates, relevant research experience, examples of previous work and the number of person days' work proposed.

Proposals need to be submitted to lee.callaghan@ed.ac.uk and cc'd to annemarte.bergseng@ed.ac.uk for evaluation **by noon on Wednesday 15 August 2018**. We aim to notify the successful bidder by 31 August in order for work to commence by 15 September 2018.

Phase 1 proposals are expected to be in the range of £8-10,000 (including VAT).

Phase 2 proposals are expected to be in the range of £25-30,000 (including VAT)

However, ClimateXChange would welcome proposals for less than this amount.

Depending on the quality of proposals received, CXC may chose not to appoint any contractor.

You should highlight any potential conflicts of interest in your proposal. For queries about what may constitute a potential conflict of interest or any other questions regarding this ITQ, please contact CXC Adaptation Research Manager Anne Marte Bergseng annemarte.bergseng@ed.ac.uk

CXC Secretariat

3 July 2018