

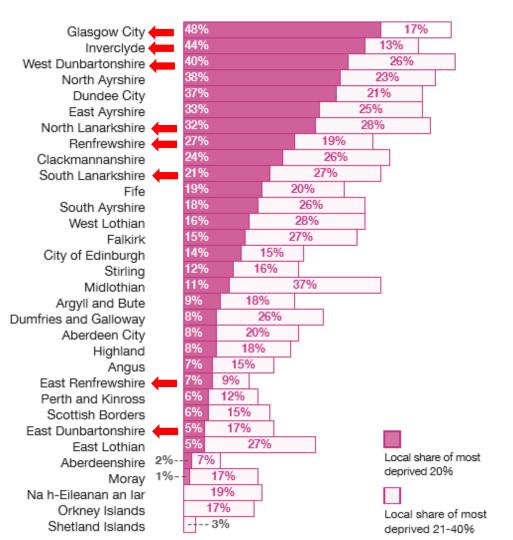
ClimateJust In Scotland Event 31 January 2018





Glasgow City Region's inequality

- Glasgow City Region a place which has experienced significant inequality over the past 50 years
- Linked to wider economic decline and ambitions to regenerate the City Region e.g. shipbuilding and tenements
- A 15-year gap in male life expectancy and an 11-year gap in female life expectancy
- Over a 13-year period between 1995-1999 and 2008-2012, male life expectancy increased across all neighbourhoods, whereas female life expectancy appeared to have fallen in four areas of the city.

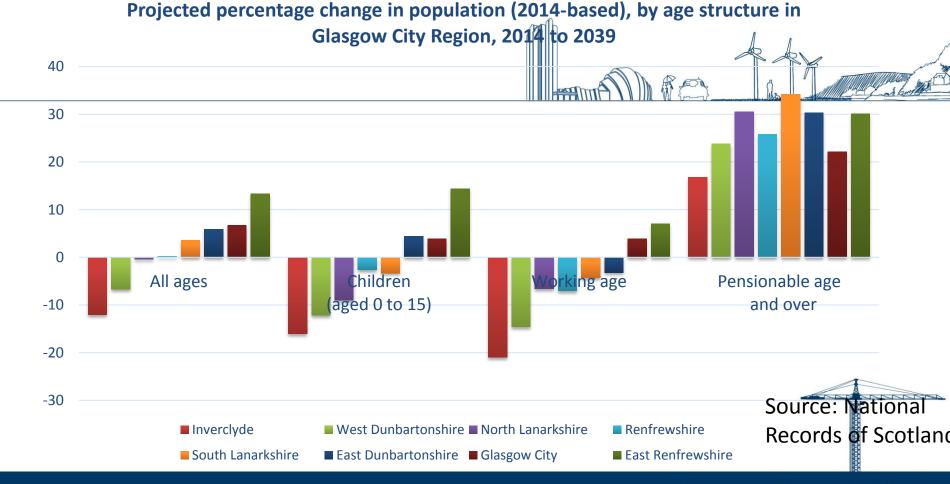




SIMD share of most deprived datazones in Scotland

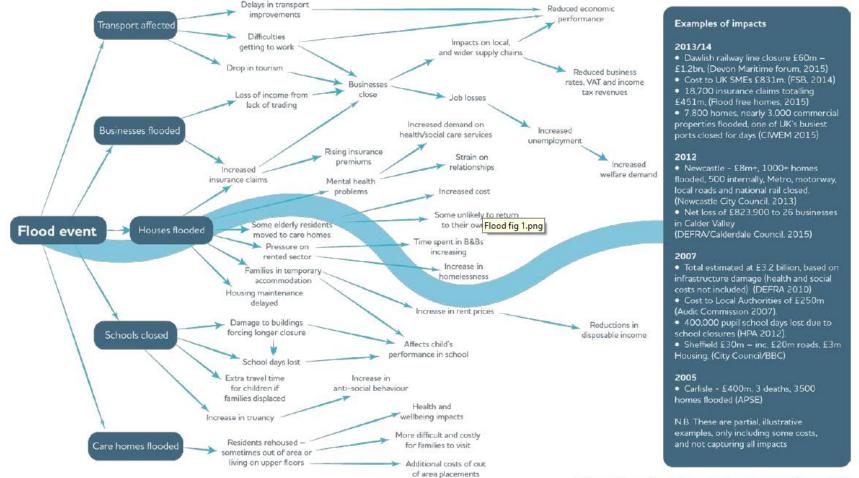
A difficult place to start from – but also a reason to focus on this issue

Climate Ready Clyde

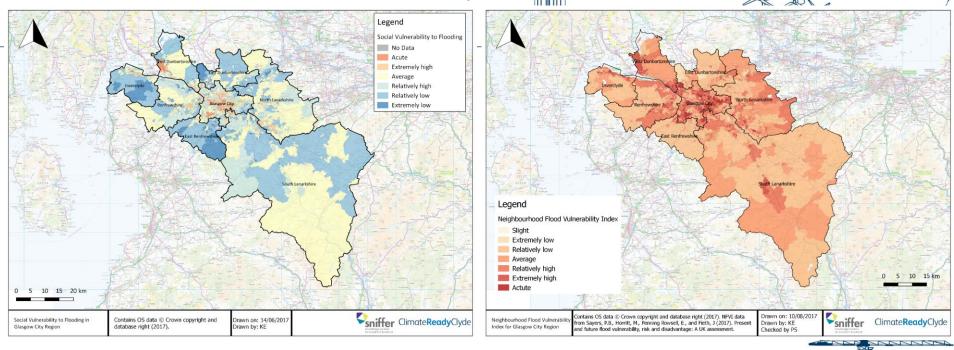


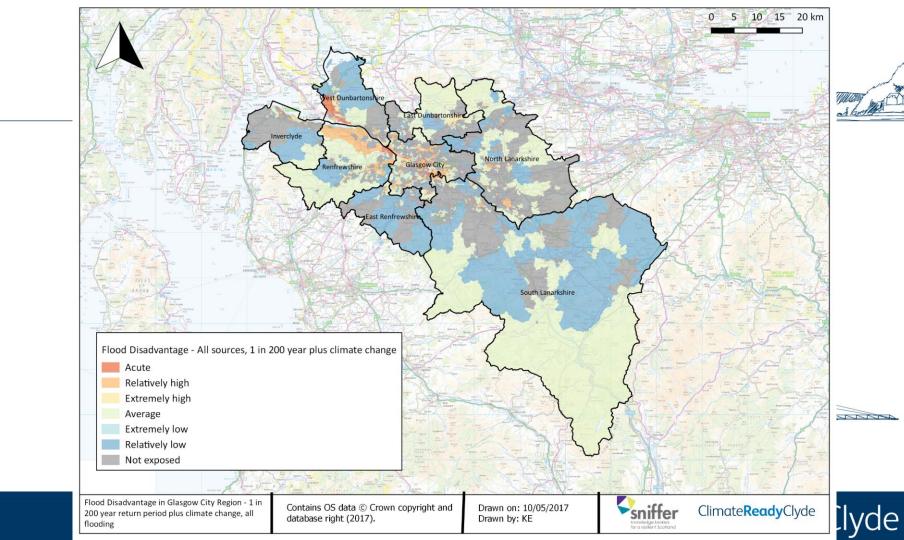
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Figure 6: Cascade effects and wider costs of flooding



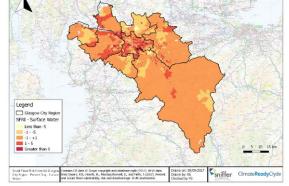
Adapted from Audit Commission, Staying afloat, 2007 Source: Knox and England Social vulnerability to climate change

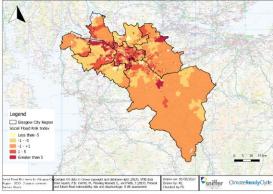


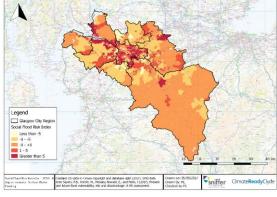


2050s (2 degree pathway) 2050s (4 degree pathway) **Present Day** Fluvial and Coastal Legend Legend Glasgow City Region Glasgow City Region ☐ Glasgow City Region SFRI - Present Day, Fluvial and Coastal Social Flood Risk Index Social Flood Risk Index Less than -5 Less than -5 Less than -5 -1 - -5 -1 - -5 -1 - -5 1-5 1-5 Greater than 5 Greater than 5 Greater than 5 Sniffer ClimateReadyClyde Sniffer ClimateReadyClyde Combins DS data to Crown copyright and database-right (2017). SPRI data from Stylers, P.B., Horstill, N., Pensing Rousell, E., and Fells, 1 (2017). Present and biture flood volverability, risk and disadvantage: A UK assessment. Sniffer ClimateReadyClyde









Headline messages



- Current high levels of flood disadvantage in City Region and projected to widen.
- Concentrated (but not isolated to) around the Clyde.
- Pluvial flood disadvantage a more significant concern than fluvial/coastal
- Social vulnerability a key part of this suggesting need for mechanisms to reduce vulnerability and build adaptive capacity (not just reduce exposure), a key response

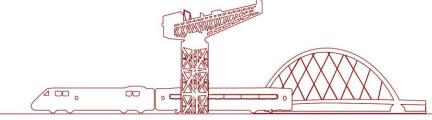
Climate Ready Clyde



- A 3 year, initiative to support Glasgow City Region to meet the challenges of changing rainfall, and rising temperatures and seas.
- Building a shared understanding of climate risks and opportunities, and collaborating to adapt
- Delivering adaptation strategy and action plan for Glasgow City Region
- Strong commitment to embedding climate justice concepts



Who's involved?





























Risk/Opportunity	GROUP 1 PRIORITY	GROUP 2 PRIORITY						
Risks to health from changes in air quality	Extremely Important	Extremely Important	- January					
Increased patient demand on NHS services from high winds, snow and								
ice, floods, cold weather	Extremely Important	Extremely Important						
Risks of increasing inequality due to climate impacts	Not ranked	Extremely Important						
Risks to health from vector-borne pathogens	Very Important	Very Important						
Risks to people and communities from flooding	Very Important	Very Important						
Increase in summer temperatures and heatwaves leading to excess								
summer deaths	Important	Important						
Increase in summer temperatures and heatwaves leading to increased								
morbidity	Important	Important						
Risks to the viability of coastal communities from sea level rise	Less Important	Less Important						
Risks to business continuity of health and social care from extreme								
weather	Less Important	Less Important						
Increased use of public space and tourism	Less Important	Less Important						
Potential benefits to health and wellbeing from reduced cold	Less Important	Less Important						
Opportunity for greater self-sufficiency due to increased food growing	Not ranked	Less Important						
ClimateReadyClyde								
	Source: Climate Boady Clyde, 20							

		adaptation		
1	Taking into account current and future climate change impacts	Effectiveness	Evidence of consideration	2 Julian Julian San San San San San San San San San S
2	Understanding the different factors that contribute to vulnerability	Effectiveness	Evidence of consideration	Marcia and Marcia Marci
3	Developing responses which build adaptive capacity, support adaptation actions and consider both physical infrastructure and service delivery	Efficiency	Evidence of consideration	
4	Considering and assessing all adaptation options to ensure the most beneficial are taken forward	Efficiency	Evidence of consideration	
5	Identifying the distribution of vulnerable groups likely to be affected and recognising that vulnerability is dynamic and changes over time	Equity	Some evidence	Source: Cottor
6	Assessing the potential adverse implications of climate change for vulnerable groups and identifying targeted adaptation actions to address vulnerability	Equity	Not considered	2017
7	Involving the communities most likely to be affected in developing and delivering plans and activities related to adaptation, and supporting community resilience longer term	Legitimacy	Some evidence	
8	Being aware of the trade-offs that can arise in striving to achieve socially just adaptation and minimising the negative impacts for vulnerable communities as far as possible	Legitimacy	Not considered	
		C	imate <mark>R</mark>	eady Clyd

No.

Socially just principles

Criteria for successful

GCR

Other broader work



- Economics Implications of Climate Change study will set out the distributional impacts of climate change costs -Completing June 2017
- Glasgow City Council Equalities Impact Assessment for Adaptation Strategy
- Weathering Change project looking at enabling Community Resilience in the face of climate change at grassroots level

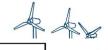
Implications for City Region adaptation strategy

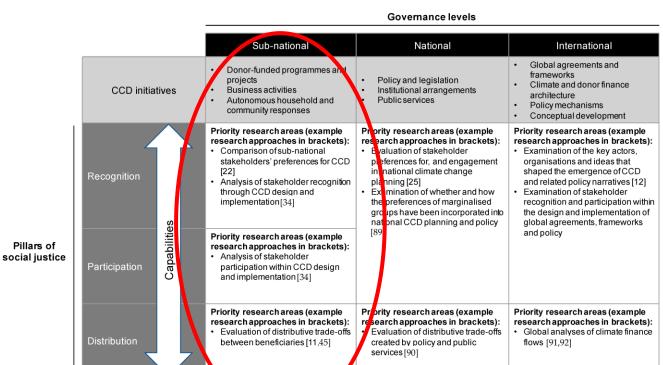
A two pronged approach:

- More SUBSTANTIVE efforts to enable future climate equality
 - Developing EVIDENCE AND UNDERSTANDING on who bears the costs of climate change and structuring actions accordingly
 - Substantive action to address these areas with a view to fairness, equity and equality
- A more inclusive PROCESS
 - Equality impact assessment
 - Extra effort on consultation and engagement with vulnerable and disadvantaged groups

A nossible way forward?







Source: Wood et al. 2018

Temporal scale



Context



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