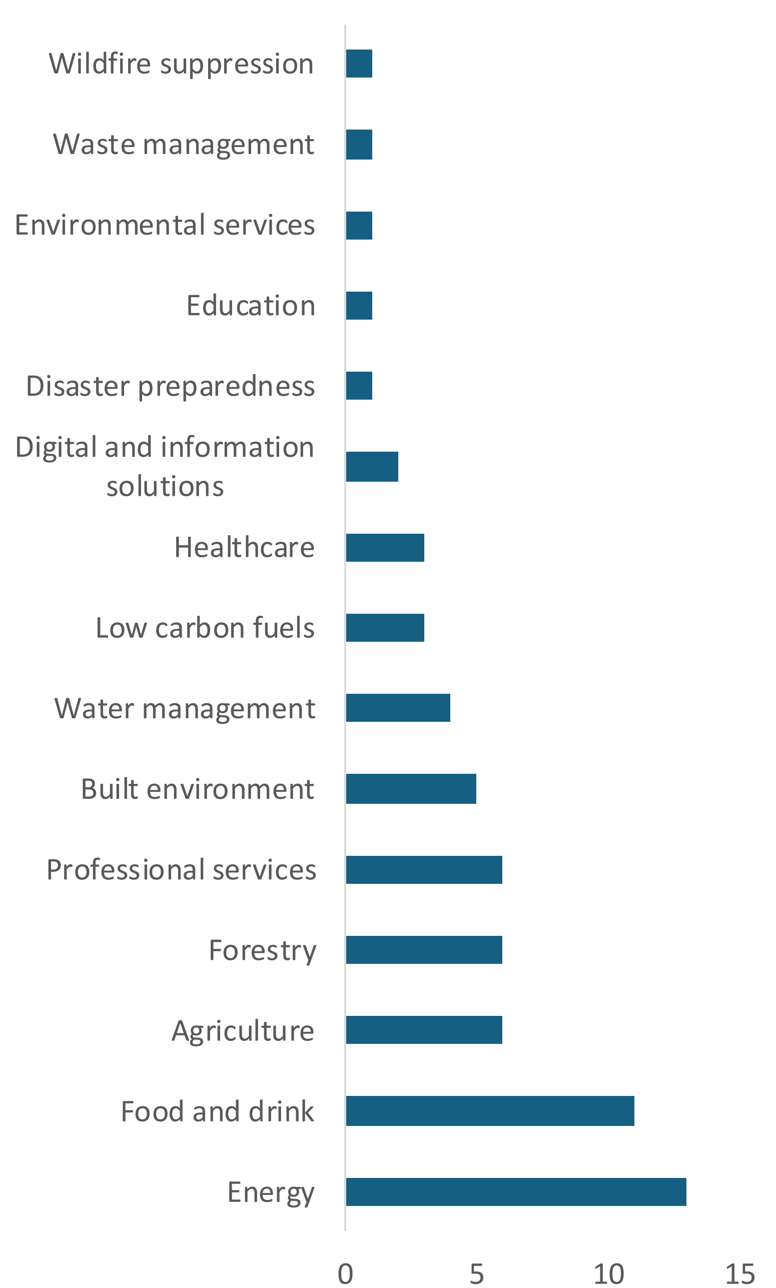
Exploring opportunities to build a climate resilient economy

Visual summary

climateXchange

Scotland's centre of expertise connecting climate change research and policy



Sector		Economic opportunity (services)	Example illustrative quote
Built Environment		Flood resilience and drainage solutions	"In the last 18 months, we're not just talking about carbon and climate mitigation anymore. We're very much talking about adaptation and resilience [...] It is a huge source of growth. I couldn't comment on how much of it could be linked back to climate. However, what we do have is [...] our own sustainability strategy, and we have a tool which we apply to every single project."
		Nature based and hybrid solutions in the built environment	
		Retrofit for climate resilience	
		Climate risk data, assessment and advisory services	
Food and Agriculture		Climate-resilient crops and agricultural inputs	"Data analytics will be critical in the future, and the ability to interpret and act on insights will transform on-farm operations. The level of attention to detail required will be phenomenal...This shift will likely be accelerated by the need for both adaptive and mitigative actions."
		Water management and on-farm resilience measures	
		Digital agri-tech, data, and advisory services	
		Land-based and landscape-scale adaptation approaches	
Finance and Insurance		Climate risk analytics and catastrophe modelling	"Resilience bonds and funds present significant gaps in their current structure, particularly in risk assessment. More work is needed to develop robust frameworks that accurately evaluate and price resilience-related risks."
		Risk transfer and insurance innovation	
		Resilience-linked lending and investment	
		Nature and place-based finance models	

Left: A bar chart displaying the number of mentions of specific economic opportunities from climate change adaptation found as part of our literature review, categorised by economic sector.

Right: The three sectors / groupings which were prioritised and analysed in more depth in our research (Built Environment, Food and Agriculture, and Finance and Insurance). For each of these, key economic opportunities from adaptation are listed, as well as selected illustrative quotes from interviewees representing each of these sectors.