

Climate change adaptation board game

Challenge instructions

Exploring the consequences of extreme weather events

These instructions explain how to complete the challenge. You must not move on in the game until you have completed the challenge.

What are the consequences of an ‘extreme’ weather event and who is impacted? The accompanying news story outlines a recent weather event which affected many areas of Scotland; this type of event is likely to become more common in the coming years.

Your team must read the story and identify as many potential consequences as you can (up to 10). In each case identify the affected group(s) of people and organisations.

Example: Network Rail engineers had to work overtime to reinstate safe conditions at additional cost to the business.

£10 million is at stake! You will receive £1 million for each potential consequence identified (provided they are plausible!)

When you are finished return your completed challenge to the Finance Minister and collect your money.

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Scottish flooding: Heavy rain causes road disruption and puts homes at risk (November 2012)

Firefighters in Perthshire were dealing with a major flooding incident at Comrie, near Crieff, where the Water of Ruchill burst its banks. About 100 homes in the village were said to be at risk from the flooding, with some residents being evacuated. Officials from Perth and Kinross Council, Tayside Police and 10 pumps from Tayside Fire and Rescue Service attended the flood in Comrie.



Rest centres were set up at Strathearn Community Campus in Crieff and Comrie Community Centre. A Red Cross spokesman said Dundee-based volunteers helped more than 20 people who were evacuated from their properties, including elderly people from two care homes. The leader of Perth and Kinross council said Kinross Council had deployed 30 officers to Comrie on Monday and many of them would be remaining there overnight.

Meanwhile, the Rest and Be Thankful section of the A83 in Argyll has reopened after being closed due to a landslip. An estimated 100-150 tons of debris was spread across the road and torrential rainfall blocked the drainage system, causing severe flooding on the road surface. Falling debris has closed the road five times in five years. A taskforce has been set up to look at finding a permanent solution to the problem. The usual diversion can add up to 50 miles to some journeys. Roddy McCuish, leader of Argyll and Bute Council, said: "Our businesses and people living here suffer every time the main route into Argyll and Bute is closed."

Network Rail said it was tackling flooding in the west of Scotland. Water was above rail level at Bishopston and ScotRail said trains between Glasgow and East Kilbride were disrupted by flooding at Thornliebank station.

Ferry operator CalMac has listed several cancellations including ferries between Wemyss Bay and Rothesay, Mallaig and Armadale, and Ardrossan and Brodick.