

Ensuring the right information gets to the right people in the right way and at the right time



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# Navigating Water Scarcity: Impacts, Adaptations, and Future Predictions for Scotland's Land Use and Industries

Background

Scotland is experiencing **climate change** at an unprecedented rate, leading to emerging risks such as **water scarcity**. This shift in climate is expected to bring further changes in seasonal precipitation patterns, increasing the **frequency** and **severity** of droughts. **Adaptation** is vital.

## Scotland's Response to Water Scarcity Amid Climate Crisis



Project outputs →



### Approach

- Collate evidence to inform and prioritise mitigation options and adaptation actions to address future water scarcity challenges in Scotland.
- Expert workshop held, and a logic model, story map, report and summary produced.

### Key Findings

- Recommended a short- and long-term programme of actions, including establishing a governance structure with representatives from relevant agencies, businesses, and communities.
- Focus on enhancing national water resource planning and promoting improved water stewardship across society.
- Need for immediate, decisive action to safeguard Scotland's water sector and ensure it remains a leader in sustainable water management.

### Impacts & Outcomes

- Evidence presented in SSAC Scottish National Adaption Plan (SNAP) and Scottish Government Water Scarcity round tables
  - Broadcast on STV's News at Six, That's TV, Radio Tay, Kingdom FM and Original 106
  - CREW Spotlight
  - News articles across 7 newspapers including...
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## Scotland's Future Water Scarcity: Impact on Distilleries & Agriculture



Project outputs →



### Approach

- To predict water scarcity in Scotland and impacts for crop producers, livestock producers and distilleries.
- Focus groups, and tailored infographics, policy brief, report and summaries

### Key Findings

- Eastern Scotland is expected to experience a summer climate-water deficit, with surface water droughts likely to double by mid-century.
- Groundwater resilience is also a concern, especially in low-storage areas.
- There is a need for more data on water use by abstractors, expanded monitoring and analysis of groundwater resources, and strategies to overcome barriers to adopting available adaptation responses.

### Impacts & Outcomes

- Farm Advisory Service podcast and YouTube videos
  - Farming and Water Scotland newsletter
  - CREW & University of Aberdeen spotlights
  - Featured in articles across 12 media sites including:
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