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

CENTRE OF EXPERTISE FOR WATERS

By Amy Cooper, Rebekah Burman, Maureen Whalen, Nikki Dodd and Rachel Helliwell

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



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



of Dundee



Sepa



NatureScot **VàdarAlb**a

WICS



Scottish Government Riaghaltas na h-Alba





Approach

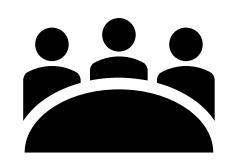
 Collate evidence to inform and prioritise mitigation options and adaptation actions to address future water scarcity challenges in Scotland.

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.

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





- Expert workshop held, and a logic model, story map, report and summary produced.
- Need for immediate, decisive action to safeguard Scotland's water sector and ensure it remains a leader in sustainable water management.
- News articles across 7 newspapers including...

THE COURIER Scottish Daily Mail The Herald Scotland Scotland

NEWS

Scotland's Future Water Scarcity: Impact on Distilleries & Agriculture





Approach

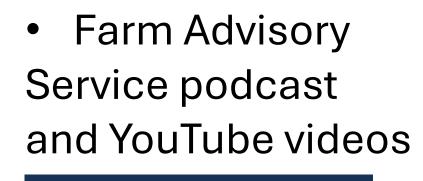
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• To predict water scarcity in Scotland and impacts for crop producers, livestock producers and

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,

Impacts & Outcomes







distilleries.

• Focus groups, and tailored infographics, policy brief, report and summaries

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.
- Farming and Water Scotland newsletter
- CREW & University of Aberdeen spotlights
- Featured in articles across 12 media sites including:







THE NAT SONAL **ireland**live

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Connecting water

science and policy



Scottish Government Riaghaltas na h-Alba gov.scot