

Sustainable Water

Researchers are developing solutions for water challenges globally. This network brings together cross-cutting experts in water engineering, energy, health and sanitation to ensure that water is managed and used in a sustainable way. We inform policy at an international scale for water governance and sanitation, catchment management and resilience to climate change.

Global Challenge

Water research at Newcastle University is **developing solutions** to the world's water problems through interdisciplinary expertise, innovation and collaboration. We're working with academics, government, industry and communities around the world to develop **sustainable and resilient water systems** in cities and catchments worldwide.

Our research projects are making sustainable management of water possible, and enhancing water infrastructure. We have expertise in a variety of relevant areas. These range from climate modelling to adaptation, from catchment management to wastewater treatment and sanitation. Together we are addressing the most pressing water challenges the world faces today and in the future.

How we are making a difference

- making communities more resilient to flooding
- reducing the spread of multi-antibiotic resistance
- investigating changes in rainfall extremes
- improving management of the water-energy-food nexus
- developing practical applications to improve adaptation to climate change

Sustainable Water Projects

- Technologies for Surveying, Mapping and Communicating Waterborne Diseases
- Community-led Water Management
- Drought Resilience in Ecosystem Services and Rural Communities in China
- Building Resilience to Multi-source Flooding
- Achieving Urban Flood Resilience in an Uncertain Future
- Improving Wastewater and Sanitation Globally to Stop Antibiotic Resistance
- Living Deltas
- Restoring and Sustainably Managing Peatlands for Global Climate Benefit

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