



Dŵr Cymru  
Welsh Water

# DCWW Currently supported research and future priorities

Better Water Quality for Wales Conference  
27<sup>th</sup> June 2023

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# DCWW Water Quality Objectives

## Our Operating Area Includes:

 <b>4,600</b> MILES OF RIVERS	 <b>1,000</b> MILES OF COASTLINE	 <b>90</b> SITES OF SPECIAL SCIENTIFIC INTEREST (SSSI)
 <b>103</b> DESIGNATED BATHING WATERS	 <b>21</b> DESIGNATED SHELLFISH WATERS	 SEVERAL LARGE AREAS OF OUTSTANDING NATURAL BEAUTY, AS WELL AS SPECIAL AREAS OF CONSERVATION AND SPECIAL PROTECTION AREAS

Investing £1bn in the 5 years up until 2025 and £1.4bn between 2025-2030

**Reducing Nutrient Pollution**

By 2030 non of our wastewater treatment works are the cause of ecological failure

Work supportively and collaboratively with others

Identify & remove surface water from our sewers

Target investment on storm overflows causing environmental harm

Roll out real-time operation data for all our storm overflows by 2025

Bring forward £100m additional investment in our wastewater infrastructure

Continue to be innovative in our water quality improvement solutions

Please see our Manifesto for Rivers (2023) for further details

# Innovation & Research Projects so far...

## “RainScape”

Sustainable Urban Drainage



## 1<sup>st</sup> Partnership Wetlands



The Wye & Usk Foundation



# Innovation & Research Projects so far...

## Water Quality Monitoring



The Wye & Usk Foundation



## Storm Overflow Enhancements & Treatment Solutions



# Innovation & Research Projects so far...

## SMART Cameras



# Future Challenges

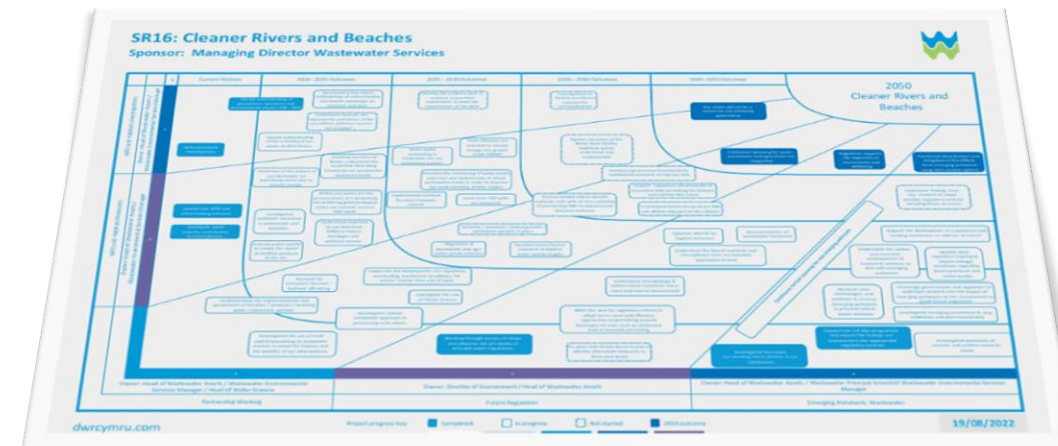
- Climate change
- Demographic change
- Environmental change
- Number of CSOs & remote locations
- Understanding true impact on water quality
- External factors influencing water quality
- Ageing infrastructure and accessibility
- Change in customer expectations
- Emerging contaminants



Figure 3: Detailed enablers of innovation

# Academic Engagement Opportunities

- Dwr Cymru 2050
- Innovation Strategy
- Innovation Journey Plans
- Online portal for proposal submission
- Bi-Annual DCWW Innovation conference
- Wastewater related conferences
- Ofwat Innovation Fund  
[dwrcymru.com](http://dwrcymru.com)





Diolch,  
Thank you



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