



Dŵr Uisce

Energy Recovery in Water Services
Adennill Ynni yn y Diwydiant Dŵr

NEWSLETTER

15 September 2020

FREE SUSTAINABILITY WEBINAR

"Sustainability"
Dŵr Uisce is planning to run a series of sustainability webinars. Visit dwr-uisce.eu/ to find out.

Emission abatement potential of low-carbon technologies for space and water heating in households

Space and water heating has contributed significantly to the residential emissions through energy use. The replacement of conventional systems with low-carbon technologies can aid in reducing emissions. Policy scenarios were constructed to capture the effect of policy changes that may influence a low-carbon technology's investment costs, the market penetration of the technology and improvement in energy efficiency. [Read more...](#)



Green innovation: Bringing value to society

Micro-hydropower system is one of the green process innovation examples that is co-developed by the Dŵr Uisce team and key stakeholders. The system has been installed in full-scale at two locations. This brings important environmental, technological and economic impacts for society. [Read more...](#)

Measuring and monitoring water use Tips for business

Monitoring and measuring water use can be used to improve the water and energy performance of your business.. This article introduces some of the ways businesses can measure and monitor their water use to improve efficiencies.
[Read more...](#)



Simple ways you can take climate action at home

What can we do to help mitigate the impacts of climate change? There are many simple actions we can take in our homes just by changing the way we use water that will reduce our emissions and carbon footprint. Many of these interventions are easy to implement and have zero or very low-cost with short paybacks.
[Read more...](#)

Testing explanatory factors and proxy variables in economic and energy efficiency benchmarking

Evaluating efficiency has many advantages to companies, such as enabling assessment of explanatory factors however, the process of doing so is not always easy. Sometimes missing data leads whoever is conducting the research to utilise proxy variables, which replace the ideal choices. Latest research conducted within Dwr Uisce analysed the role that explanatory had on energy and economic efficiency along with how common proxies performed.
[Read more...](#)



Changing river flows under a worst-case climate change scenario: Implications for drinking water supply

Annual and seasonal average river flows, as well as extremely high and low flow events, are greatly affected by changes in climate, in particular precipitation pattern alteration. Our work has projected and characterised changes in river flow for the period 2021-79 for five catchments in Wales. Long-term changes also have the potential to impact drinking water supply. Therefore, measures must be taken to protect against any negative impacts.
[Read more...](#)

What's the best way to use distillery by-products?

Spirit production is the number one water user within the UK's drink manufacturing sector, responsible for 60% of the sector's water use. But smart use of by-products such as spent grain and pot ale, can lower this water footprint. Not only do they contain usable water themselves, but also can they replace products whose manufacture consumes water. In a new study with distilleries, we wanted to find out: Is it better to use by-products as feed, for biogas generation or as fertiliser?

Read more...



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JOIN (OR RECOMMEND) THE DŴR UISCE WATER SPECIALISATION CLUSTER



Join us!

Are you a company, a consultant, a university, a scientist interested in saving water and energy? Are you in one of the regions in Ireland or Wales covered by the [INTERREG funding initiative](#):

- Ireland - Carlow / Cork / Dublin City / Dun Laoghaire / Rathdown / Fingal / Kerry / Kildare / Kilkenny / Meath / South Dublin / Tipperary Waterford / Wexford / Wicklow
- Wales - Carmarthenshire / Ceredigion / Conwy / Denbighshire/ Flintshire / Gwynedd / Isle of Anglesey / Pembrokeshire / Swansea / Wrexham

You may eligible to join our [SMART SPECIALISATION CLUSTER](#) and benefit from a range of services we offer.

[Click here](#) for more information.

BUSINESS SUPPORT

water and energy costs.
For free!

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Our aim is to support your business in saving water, energy, emissions and money, and thus making it more resilient for the future. We are a team from Trinity College Dublin and Bangor University, Wales, experienced in working with industry.

The free consultation we offer only involves a little time from your side - no financial investment is required.

We offer a minimum of six hours free consultation time to:

- Measure your current water and related energy use
- Identify opportunities to reduce your water and energy consumption
- Propose cost-effective solutions
- Advise on how to improve your environmental footprint, both in your business and along your supply and demand chains

Send us an informal request and start benefitting from our expertise, our support and our network.

Email: admin@dwr-uisce.eu
Phone: +44 (0) 1248 38 3219 (Bangor)
+353 (0) 1 896 1311 (Dublin)
Web: www.dwr-uisce.eu/business-support



DŴR UISCE stands for *Distributing our Water Resources: Utilising Integrated, Smart and Low-Carbon Energy*. The project is contributing to improving the long-term sustainability of water supply, treatment and end-use in Ireland and Wales. DŴR UISCE is funded by the European Regional Development Fund through the Ireland-Wales Cooperation programme.

CONNECT WITH US

All project updates, progress, activities and events are posted regularly and shared widely on our [@Dwr Uisce](#) Twitter account.

Follow also the hashtags: **#Dwruisce**.

You can read more on our latest news @ our [Updates](#) section. Sign up for our newsletter [here](#).



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