

## Dŵr Uisce Climate Action Hackathon: Short programme for secondary schools


### About the Programme

A short programme for secondary schools that raises awareness on the water-energy nexus in the built environment and the climate action potential of water efficiency among students and their teachers.


The programme aims at building capacity in young people to take climate action through exploring the water-energy nexus (link) and will culminate in an on-line hackathon, during which participants will ideate solutions to encourage more people to adopt water- efficient behaviours.

Are you a second level teacher looking for a collaborative project-based activity aimed at climate action?




### THE PROBLEM



In the EU, on average, buildings account for up to 40% of energy use and about 36% of CO2 emissions.



In Ireland, about 1/4 of all energy use is attributed to households. This is second only to transport, and more than is used by industry (SEAI).



**86%** The amount of energy used by Irish households for hot water and space heating.

### THE CHALLENGE

How can we take climate action by adopting efficient water use behaviours?

Why to take part?

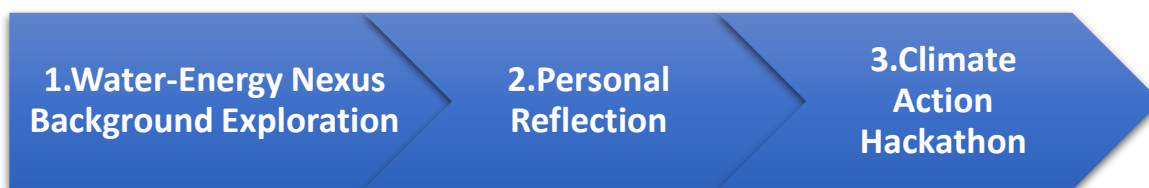
Teachers will:

- have an opportunity to integrate project-based work into the curriculum
- deepen and apply knowledge on topics such as water-energy nexus, climate change, global issues
- establish a connection with researchers for further collaborations

### Students will:

- Deepen your knowledge of the water-energy nexus: become a water-energy champion!
- Develop key and highly transferrable skills: great for your CV!
- Apply your skills to a real issue -great for global citizenship!
- Interact with researchers in relaxed and informal settings – you might get inspired!
- Your idea could win you a PRIZE!
- Your project could go far: you could submit for BTYS, YEA, YSI, etc.
- Have fun!

### How does it work?



	PHASE 1	PHASE 2	PHASE 3
AIM	To gain or deepen their understanding of the water-energy nexus, the Dŵr Uisce project and the existing solutions.	To reflect on how the issue is affecting them, their school, community. Feedback and questions sent to Dŵr Uisce Team who will provide answers and suggestions.	To work collaboratively to ideate, plan, and present a product, process, or service that has the potential to help reduce GHG emissions of water services and use.
MATERIAL	Lesson pack: presentation slides, videos, and teacher handbook will be provided to the participating class. Duration: 45-60 minutes	Email support	Online event with mentoring and facilitation by Dŵr Uisce Team. Duration: 3-4 hrs (with breaks)

Out of all the participating schools, the idea that best fit the Dŵr Uisce aim of reducing GHG emissions through water efficiency and has the greatest impact potential will be featured on Dŵr Uisce social media. And the team will receive a prize! More details will be provided after enrolling.

### How to Participate

1. Email Roberta at [bellinir@tcd.ie](mailto:bellinir@tcd.ie) with your name, surname, school, class and number of students
2. Commit to complete the programme and be available for 3 to 4hrs on a date TBA
3. Have one device such as tablet/laptop per group of 5/6 students during the hackathon