

Overview

DCU Water Institute addresses national and international water resource problems through excellence in research and education.

Because of the breadth of its expertise, the Water Institute is Ireland's centre of excellence for the development of technical solutions for water management and sustainable water supply, and for contributions to water policy developments.

Our goals are to:

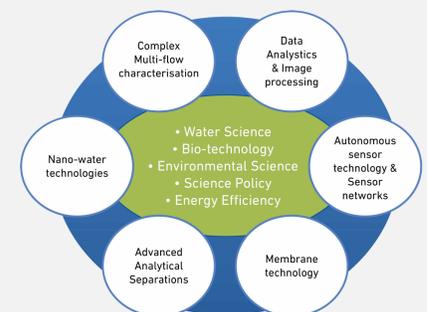
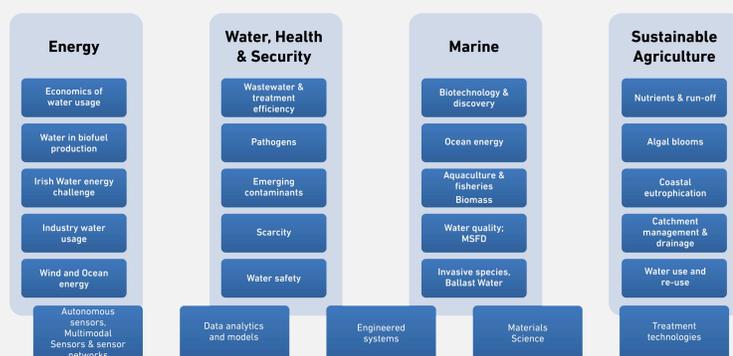
- advance basic knowledge of physical, chemical, biological and engineering processes in aquatic systems
- to enhance the understanding of human interactions and attitudes with water
- to develop and promote improved methodologies for water management
- to inform policy based on a foundation of science, engineering and computing technologies



Research Areas

Our research falls into four themes: energy; water, health & security; marine; and sustainable agriculture

DCU Water Institute's Multi-Disciplinary Expertise



Why work with us?

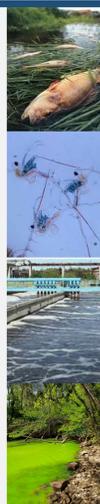


For:
Support and solutions to achieve environmental compliance

Solutions to enable availability of clean drinking and bathing water

Decision support systems to address water shortages and flooding

Solutions to allow long term deployment of devices in fresh or salt water



Solutions to environmental water pollution and environmental monitoring of ecosystems

Prevention of transfer of invasive species from ballast water or large vessel transport

Technology to improve the efficiency of membrane filtration technology & energy efficiency in water treatment plants

Determining alternative uses for agricultural waste (such as nitrates, phosphates)

DCU Water Institute has a large network of collaborators worldwide, and regulatory knowledge. We translate our research into technological solutions in the areas shown.

We offer in-house support on funding applications, IP and commercialisation and guidance on how to maximise R&D funding for small, medium and large companies in the area of water research.

Centre Members

Prof. Fiona Regan, *Director*
Ms. Jane Wall, *Manager*

Affiliated Academics

Dr. Juliana Adelman
Prof. Dermot Brabazon
Prof. Pat Breerton
Dr. Brian Corcoran

Prof. Regina Connolly
Dr. Mark Cummins
Dr. Stephen Daniels
Dr. Yan Delaure
Prof. Dermot Diamond
Dr. Lorna Fitzsimons
Dr. Greg Foley

Dr. Niamh Gaynor
Dr. Brian Kelleher
Prof. Tia Keyes
Dr. Jenny Lawler
Prof. Christine Loscher
Prof. Theo Lynn
Prof. Anne Matthews

Dr. Eilish McLoughlin
Dr. Aoife Morrin
Dr. Anne Morrissey
Prof. Ronnie Munck
Dr. Pdraig Murphy
Dr. Kieran Nolan
Prof. Noel E. O'Connor

Dr. Brid Quilty
Prof. Alan Smeaton
Prof. Anthony Staines
Prof. Apryll Stalcup
Dr. Mary Rose Sweeney
Dr. Blanaid White