



TU Dublin SDG 14: Life Below Water

The vision for TU Dublin Strategic Intent 2030 is to *‘Create a Better World, Together’*. In developing our TU Dublin strategy, and over the course of our conversations with over 2,500 stakeholders, we viewed the challenges facing us through the lens of the UN Sustainability Goals (SDGs). Some clear areas of focus emerged which resulted in shaping our plan to tackle our task through the following themes - People, Planet, Partnership and underpinned by the key SDG goal of ‘Quality Education’. These pillars inform our approach to educational, research and engagement practices, ensuring that TU Dublin delivers real change, innovation and impact for society.

This is TU Dublin’s third report on how the University has been addressing the SDGs. It includes examples of initiatives, events and project work that are having an impact across the 17 SDGs.

Year	Event
October 2022	TU Dublin’s Annual Report featured an opinion article on ‘How to turn shellfish waste into bioplastics’ (p. 32), which was published by a TU Dublin researcher and featured on RTE Brainstorm . RTE Brainstorm is the national broadcaster, who are collaborating with third level institutes to highlight new ideas and insights on Ireland and the world.
October 2022	TU Dublin’s Sustainability Statement featured in the TU Dublin Annual Report (p. 63) states that “TU Dublin will continue to review measures to reduce the use of natural resources and the environmental impact of air, land, and water pollution caused directly or indirectly by the University’s operations.”
Ongoing	TU Dublin’s research project Bluestreambio was shortlisted as one of fifteen projects to compete for the Science Foundation Ireland (SFI) Future Innovator Prizes of €2 million. Bluestreambio transforms waste fish blood into a biopolymer with applications in additive manufacturing from biodegradable plastics to biomedical engineering, transforming the waste stream into a biodegradable ink for 3D printing.

Ongoing	TU Dublin's Water Innovation Research Centre (WIRC) is part of ESHI (Environmental Health Sciences Institute). It seeks to reduce the influence of poor water quality on public health.
Ongoing	TU Dublin's ESHI (Environmental Health Sciences Institute) collaborate with industry partner Veolia , who designed a new state-of-the-art wastewater treatment plant, the construction of which will see new sewer pipelines, and the upgrade and extension of the existing outfall pipe to safely discharge treated effluent to Carlingford Lough.
Ongoing	TU Dublin's canteen contractor, Aramark , are committed to CSR (corporate social responsibility) which ensures their customers are offered a wide range of eco-friendly and responsibly sourced foods , including 100% sustainably sourced seafood.