"How Data Science research is driving meaningful SDG-related change"

The DSI / Insight Tintreach Talks - 25th September 2025, DSI Building, Dangan H91 AEX4

Time	Title of talk	Short (100 word) Description	Presenter	Primary SDG addressed (SDG1 to SDG 17)	Other SDGs addressed
12.30	*Welcome and Introduction*				
12.32	BioProtect Marine Planner	The BioProtect Marine Planner was developed to enable people from a wide range of backgrounds to engage with marine planning technologies in a way that is accessible, interactive, and efficient. It reduces dependence on specialist knowledge by providing a clear and intuitive interface that allows both experts and non-specialists to contribute meaningfully to conservation planning.	Carlos Tighe	SDG13	SDG11, SDG12, SDG14
12.39	Responsible Innovation: The Missing Link to Achieving the SDGs	This lightning talk explores how data science can create real, meaningful change for people and communities by embedding trust, accountability, and inclusivity into technology. From the ADR Awareness Centre and AI Trust Labels that strengthen SDG 16: Strong Institutions, to the INNOCAP Framework that empowers rural authorities under SDG 9: Innovation and Infrastructure, and Ireland's Mobility-as-a-Service ecosystem driving SDG 11: Sustainable Cities, my research shows that technology only advances society when it is responsible. Responsible innovation is the missing link that transforms AI into progress for families, communities, and the planet.	Fatemeh Ahmadi Zeleti	SDG 16	SDGs 9, 11
12.46	Healthcare Under Stress: Mitigation Strategies and Unintended Consequences	The healthcare system continues to be under stress, where patients must deal with long waiting times and worsening health conditions due to missed appointments, for example. The recent COVID-19 pandemic highlighted additional constraints in the system's ability to deal with regular care during times of crisis. In this talk, we highlight a system dynamics modelling approach to address these challenges.	Shakir Bilal	SDG3	SDG11
12.53	Cardio Predict - A Stress Monitoring Technology	Cardio-predict is a multi-sensor stress predictive and monitoring technology that provides real-time feedback on your stress levels to help you build a consistent meditation practice as well as control your stress levels through playing music or guided breathing sessions.	Talha Iqbal	SDG3	
13.00	ENEPORTS	ENEPORTS aims to demonstrate the essential role of digitalization on port decarbonization and on efficient consumption of renewable energy.	Umair Ul Hasan	SDG7	SDG13
13.07	Grounding the output of Neural Networks using the symbolic knowledge	Knowledge graphs are like super-smart maps that help organize and find information quickly. They make it easier for scientists and small businesses, especially in places that don't have as many resources, to discover new ideas and be creative. By giving	Nakul Mehta	SDG9	
13.14	Women Empowerment in ICT	The PEARL project aims to empower women in ICT through social media interaction by examining how silence dynamics, specifically the Spiral of Silence, influence women willingness to speak up. We will also test nudge-based design features, such as prompts, social and salience nudges, to create a safer environment that supports more confident participation, thereby empowering women digital voices.	Kashif Shaheed	SDG5	SDG16
13.21	Efficient Wastewater Management	Wastewater management is a core need in towns and cities worldwide, reducing environmental impact and cost are essential as population centers and energy demand grows. This project focuses on one wastewater treatment plant in Enniscorthy, and aims to use data science techniques to improve plant operation, with quicker alerts to anomalous activity, smarter control of a select few processes, and provide a template for wastewater treatment plants across Ireland.	Ronan Timon	SDG6	SDG11
13.28	*Close and Thank you, Photos and Refreshments*				