

Session#-'Session Title' (scheduled time)		ID Title of the presentation	Type	Presenter
<b>Plenary 1</b> <b>DAY2-(9:30 - 10:15)</b>	<b>Chair person</b>	<b>160 160 Climate Action &amp; biodiversity, implications for Ireland</b>	<b>Plenary</b>	<b>Prof Jane Stout</b>
DAY2-S1- Water for the Global South (11:15 - 12:45)	Prof Tony Byrne - Ulster University	<b>KN1 158 Solar Water Disinfection: There's a Time and Place for It?</b> <b>KN2 163 Safe Water and Sanitation in Brazil</b> <b>KN3 164 The triad of Global Nutrition Security, Safe Water and Planetary Health: Can the 'Mobile Teaching Kitchen' initiative be a 'vehicle' for transform</b>	<b>Keynote</b> <b>Keynote</b> <b>Keynote</b>	<b>Prof Kevin G. McGulgan</b> <b>Dr Ester Guimaraes</b> <b>Prof Sumantra (Shu Ray</b>
DAY2-S2- Water for the Global South (13:45 - 15:15)	Prof. Kevin McGuigan - Royal College of Surgeons of Ireland	O1 33 GCRF SAFEWATER O2 139 Design of household drinking water disinfection systems for rural settings of Colombia and Mexico O3 102 Device automation to assist with water quality monitoring for fecal contamination O4 108 Household slow sand filter: efficiency, configurations, limitations and perspectives O5 130 Behaviour Analysis applied to Water, Sanitation & Hygiene (WASH) Research O6 138 Health Indicators and Water	Oral Oral Oral Oral Oral Oral	Prof Tony Byrne Dr Pilar Fernandez Dr Jeremy Hamilton Prof Lyda Patricia Sabogal Paz Dr Samuel Ginja Dr Santosh Gahire
DAY2-S3 - Water for the Global South (16:15 - 17:15)	Dr Ester Feche Guimaraes - SABESP Water & Sanitation	O7 120 Drinking water sustainable systems at Colombia, field data and experiences O8 153 Safewater Project Impact In Two Communities In Colombia O9 116 SAFEWATER project: Household Water Treatment Systems in Mexico O10 114 SAFEWATER project: Behaviour and Health Analysis in Mexico	Oral Oral Oral Oral	Dr Luis Javier Montoya Mrs Catalina Herrera Dr Fermin Reygadas Ms Ane Galdos Balzategui
DAY 2-S4 - Marine & Coastal (11:15 - 12:45)	Dr Jane Kilcoyne - Marine Institute	<b>KN4 162 Reducing environmental impacts of marine biotoxin monitoring: a laboratory case study</b> O11 55 Post-harvest stability of key biomolecules in seaweed biomass. O12 82 Community led approaches for sustainable coastal adaptation and coastline management O13 40 Microplastic abundances in Nephrops norvegicus and its surrounding sedimentary environment O14 132 Beach littering: Putting the user at the centre of environmental policy	<b>Keynote</b> Oral Oral Oral Oral	<b>Dr Jane Keelán C. Lawlor</b> <b>Mr Paul Lawlor</b> <b>Ms Nash Roisin</b> <b>Ms Rachael Singleton</b>
DAY2-S5 - Climate in the balance (13:45 - 15:15)	Dr Caterina Brandoni - Ulster University	O15 30 Health and Climate Change - Communication and action through tree-planting O16 84 Integrating business carbon accounting with target-aligned national emissions reduction pathways O17 53 Weather drives divergence in honeybee and bumblebee activity in Ireland O18 18 Decarbonisation of Whiskey Distilleries in a Circular Economy O19 143 Motivated reasoning in the willingness to pay for carbon capture and storage: a contingent valuation experiment O20 69 Disruptive technologies, drones, deliveries and Life Cycle Assessment	Oral Oral Oral Oral Oral Oral	Dr Christie Godsmark Dr Aileen O'Dochartaigh Mr Arrian Karbassioon Mr Anga Hackula Ms Tanisha Waring Ms Juliana Steinbach
DAY2-S6-Wetland & Peatland Management (16:15 - 17:15)	Dr Farshad Amiraslani - Ulster University	O21 71 Disruptive technologies, drones, deliveries and Life Cycle Assessment O22 72 Methane Emissions from Irish Saltmarshes O23 89 Below ground growth of forests on peatlands with a high pH subsoil or marl layer	Oral Oral Oral	Ms Shannon Burke Ms Lisa Jessen Ms Jill Pitcher Farrell
DAY2-S7- Environmental Policy & Communication (11:15 - 12:45)	Dr Trudy McMurray - Northern Ireland Environment Agency	O24 134 Recycling Derived Fertilisers Market Demand in the Horticulture and Recreational Sectors in Ireland O25 122 Local communities and nature stewardship: Involvement, encouragement and establishment O26 34 Qualified support: Understanding citizens' preferences for co-investment into commercial wind farms O27 95 Water governance reforms in the Republic of Ireland: A historical perspective towards a sustainable water future O28 98 Unlocking blue growth: Balancing dialectic tensions of environmental protection and economic development O29 38 Environmental outcomes and the Porter hypothesis: The impact of environmental regulations and compliance on company performance in Ireland	Oral Oral Oral Oral Oral Oral	Dr Aoife Egan Dr Farshad Amiraslani Ms Julia le Maitre Mr Sarpong Hammond Antwi Mrs Jessica Giannounis Ms Maria del Pilar Cespedes Davalos
S8- Air Pollution (13:45 - 15:15)	Dr John Gallagher - Trinity College Dublin	O30 136 Agricultural Ammonia and Human Health: Impacts and Future Solutions O31 111 Reducing Energy Consumption in Air Filtration Systems (RECAFS) O32 135 CONTROLLING STREET CANYON VENTILATION USING A ROOF-TOP DEFLECTOR SYSTEM O33 35 Associations between Urban Greenspace and Particulate Matter Air Pollution O34 99 Evaluating and Enhancing the Impact of Urban Parks on Local Air Quality Conditions O35 137 Impacts Of Atmospheric Ammonia from Diffuse Sources	Oral Oral Oral Oral Oral Poster-5 min	Ms Katie Wyrer Mr Brian Considine Mr Madhavan Vasudevan Ms Anna O'Regan Ms Mengyi Jin Ms Katie Wyrer
DAY2-S9-Environmental Challenges (16:15 - 17:15)	Dr Frances Lucy - Atlantic Technological University	O36 49 Assessing Mercury-Added Product Stocks in the Built Environment O37 47 Spatio-temporal evolution, environmental and socio-demographic patterns of COVID-19 in Ireland O38 118 Time for a Nappy Change: controls affecting families' nappy choices O39 61 Greenspace and COVID-19 in Ireland: A modelling study	Oral Oral Oral Oral	Dr Yvonne Ryan Dr Martin Boudou Mrs Nicola Watson Mr Shivam Khandelwal
DAY2-S10-Water quality monitoring (11:15 - 12:45)	Prof Derek Jackson - Ulster University	O39 68 HIGH SHIGA TOXIN DETECTION RATIO IN E. COLI CONTAMINATED PRIVATE GROUNDWATER SOURCES IN WESTERN IRELAND O40 6 Development of CZE methods for the monitoring of pharmaceuticals in wastewater. O41 7 A novel method of Electrochemical an Immunosensor for Detection Polychlorinated biphenyls (PCBs) for Environmental Analysis O42 28 Improving freshwater contaminant quantification by drawing upon intrinsic bioaccumulative properties	Oral Oral Oral Oral	Dr Liam Burke Ms Emma O'Sullivan-Carroll Ms Samia Alserfi Ms Irene O'Callaghan
DAY2-S11- Water and wastewater treatment (13:45 - 15:15)	Prof Piet Lens - National University Galway	O44 156 Floating Treatment Wetlands to purify Primary Treated Domestic Wastewater O45 141 Photoelectrocatalytic disinfection of water and determination of the radicals produced O46 21 Pathways to private well management: A structural equation modeling approach O47 74 Cost-Effective Solution to Reducing Vancomycin Concentration in Wastewater O48 36 Safe, simple, sustainable and affordable water treatment for developing regions PO2 103 Removal of vancomycin from the aqueous environment by granular activated carbon PO3 104 Low-cost alternative water treatment for removal of PPCPs in Lagos wastewater, Nigeria	Oral Oral Oral Oral Oral Poster - 5 min Poster - 5 min	Prof Piet Lens Dr Stuart McMichael Mr Simon Mooney Mr Delmond Mr Kiri O'Dowd Mr Hamed Rasouli Sadabad Mr Lekan Abudu
DAY2-S12- Water pollution and risks (16:15 - 17:15)	Dr SvetlanaTretsiakova-McNally- Ulster University	O49 44 FAECAL CARRIAGE OF ANTIMICROBIAL RESISTANT ENTEROBACTERIAES ASSOCIATED WITH RECREATIONAL WATER USE O50 59 Risk ranking of antibiotic resistance development in healthcare and agricultural settings O51 79 Source water protection and vulnerability in complex catchments O52 91 METAL BIOACCUMULATION THROUGH WATER AND FEEDS IN NIGERIAN FISH O53 37 Detection of mobile colistin resistance genes in the Irish environment.	Oral Oral Oral Oral Oral	Ms Moeve Louise Farrell Mr Ciaran Monahan Mr Kevin Atcheson Mrs CHINELO ANJUNZEKWE Cahill
<b>Plenary 2</b> <b>DAY3-(9:15 - 10:00)</b>		<b>PL2 161 Emerging technologies towards net zero</b>	<b>Plenary</b>	<b>Prof Neil Hewitt</b>
DAY3-S13-Water-Energy Nexus (10:15 - 11:30)	Dr Pilar Fernandez - Ulster University	<b>KN5 159 Water-energy nexus: research trends</b> O54 39 Adsorption of urea from human urine and subsequent hydrogen production O55 56 WO3 photoanodes for the oxidation of urea in wastewater and hydrogen production O56 140 Novel electro-assisted UVA-photocatalytic reactor based on rGO-TiO2 composite photoanode for wastewater treatment O57 16 Removal of emerging contaminants by UVC and UVB-LEDs driven AOPs	<b>Keynote</b> Oral Oral Oral Oral	<b>Dr Nathan Skillen</b> <b>Mr Ruben Asiain-Mira</b> <b>Ms Adriana Rioja Cabanillas</b> <b>Mr Salem Alkharabsheh</b> <b>Ms Raffaella Pizzichetti</b>
DAY3-S14-Water-energy Nexus	Prof Tony Byrne - Ulster	O58 17 Phosphate capture by atomic layer deposition-based materials O59 27 Bacterial community composition in a pilot-scale wastewater treatment plant	Oral Oral	Ms Marina Avena Maia Ms Shabla Perveen

Topics (12:15 - 13:15)	University	O60 O61	45 Synergistic effect of 3 wavelengths for inactivation of E. coli 54 Photoelectrocatalytic removal of E. Coli, MS2, and methanol using nanostructured WQ3/BVO4	Oral Oral	Mr Mr	Adithya Pai Canor	Uppinakudru Reddik
Day3-S15 - Sustainable Land Use, Agriculture and Food (10:15 - 11:15)	Prof John Breen University of Limerick (john.breen@ul.ie)	O62	48 Pesticides and bees; hazard, exposure and potential solutions	Oral	Dr	Dara	Stanley
		O63	52 Developing a dairy energy rating for identifying inefficient energy users throughout Ireland's dairy farm population	Oral	Dr	Philip	Shine
		O64	13 Gathering sustainable IPM advice for leatherjackets in Irish agriculture	Oral	Ms	Aisling	Moffat
		O65	12 The abundance and characteristics of microplastics in Irish agricultural soils	Oral	Ms	Clodagh	King
		O66	12 Demand-driven energy and biochemical production from a two-stage anaerobic digestion reactor	Oral	Mr	Rajaa	Shinde
DAY3-S16 - Sustainable Land Use, Agriculture and Food (12:15 - 13:15)	Dr Dara Stanley - University College Dublin	O67	121 Potential of multi-species mixture in reducing enteric methane emissions in vitro	Oral	Mr	Ali Sultan	Khan
		O68	131 Can multispecies grasslands simultaneously improve herbage productivity and micronutrient uptake?	Oral	Ms	Omolola	Odeleyo
		O69	144 Biorefinery from Rhododendron residue for the production of antioxidants, hydrogels and nanocellulose	Oral	Ms	Tiedaly	Lima
		O70	119 Waste recovered compost: a sustainable source of fertilizer in Bangladesh	Oral	Mr	MD Raju	Ahmad
DAY3-S17- Net Zero Challenge (10:15 - 11:30)	Prof Neil Hewitt - Ulster University	O71	100 Blended feedstock for improving downdraft gasification: A Circular Economy Example	Oral	Dr	Osin	de Pirelli
		O72	87 Marginal abatement cost curves for biogas in Ireland: Assessing on-farm anaerobic digestion through the use of an enviro-economic calculator	Oral	Mr	Jorge	Diaz Huerta
		O73	154 Dark fermentation of Macroalgae biomass in production of biofuels	Oral	Mr	Laurence	Irabihan
		O74	133 Dedicated large-scale floating offshore wind to hydrogen	Oral	Mr	Omar	
Day3-S18 - Biodiversity, ecosystems and ecotoxicology (12:15 - 13:15)	Dr Thomaé Kakouli-Duarte - South East Technological University	O75	57 Impact of recycling derived fertilisers application on nematode communities in Irish grassland	Oral	Dr	Thomaé	Kakouli-Duarte
		O76	123 Microbial Source Tracking of Antimicrobial Resistance in Bathing Waters in Northern Ireland.	Oral	Ms	Carollyn	brooks
		O77	78 Mapping vegetation communities on Irish raised bogs using PlanetScope imagery and Google Earth Engine	Oral	Mr	Wahaj	Habbib
		O78	149 The Role of Urban Trees in the Improvement of Urban Biodiversity	Poster - 5 min	Dr	Eoin	Leffice
		O79	76 Development of Novel Molecular Indicators of Emerging Contaminants in Freshwater and Marine Environments	Poster - 5 min	Ms	Enya	Cody
		O80	107 The Impact of indomethacin and ibuprofen on daphnids	Poster - 5 min	Dr	Konstantinos	Grinziolis
Day 3-S19 - Flash presentations (10:15 - 11:15)	Dr Fermin Raygadas - Cantaro Azul	O81	88 BlueBio MINERVA: Sustainable valorisation of macroalgae using a biorefinery approach	Poster - 5 min	Dr	Fanny	Lefegerie
		O82	90 Environmental variability and sustainable protocols for seaweed valorisation in BlueBio MINERVA	Poster - 5 min	Dr	Fanny	Lefegerie
		O83	83 Evaluating nutrient and sediment inputs from riverbank cattle access points	Poster - 5 min	Ms	Alison	Scott
		O84	11 Associations between environmental knowledge, socio-demographic profiles, and the Irish diet	Poster - 5 min	Mr	Daniel	Burke
		O85	32 Sustainable Kitchens	Poster - 5 min	Ms	Samantha	Fahy
		O86	24 SURICATES: Sediment Management with application to the La Rance Estuary, France	Poster - 5 min	Ms	Iara	Rehman
		O87	62 In-situ electrochemical determination of 2,5-diformyluram from the photocatalytic oxidation of 5-hydroxymethylfurfural.	Poster - 5 min	Mr	Pádraig	McDonagh
		O88	9 Costing the Public Health Impact of Climate Change in Ireland	Poster - 5 min	Mr	Giacomo	Di Capua
		O89	145 Wild trout as a spreader of Cryptosporidium parvum zoonotic subtypes	Poster - 5 min	Dr	Seila	Couso-Pérez
		Day 3-S20 - Flash presentations (12:15 - 13:15)	Dr Lyda-Patricia Sabogal University Sao Paulo	O90	94 Investigation of a novel algal-based biostimulant against RLS on barley	Poster - 5 min	Ms
O91	96 Cross-Laminated Timber: A sustainable solution for building construction			Poster - 5 min	Mr	Muhammad	Yasir
O92	125 Exploring the use of plant growth regulators on hemp.			Poster - 5 min	Ms	Grace	Pender
O93	51 Assessing Agricultural Biocide Usage Patterns in Ireland			Poster - 5 min	Ms	Meabh	Dowler
O94	81 Irish Faba Beans as a sustainable food source			Poster - 5 min	Ms	Laura	Mc Daid
O95	157 Temporal microplastic contamination of cockles from Dundalk Bay, Republic of Ireland			Poster-5 min	Mr	Stephen	Kneel
O96	29 Bioplastics: An evaluation of sustainability			Poster	Ms	Cherrelle	Johnson
Posters presentations DAY 2-(10:15-11:15)& (12:45-13:45). DAY 3-(11:15-12:15)		O97	50 Recycle the Bicycle? Environmental Opportunities & Concerns from the E-Bike Revolution	Poster	Dr	Yvonne	Ryan
		O98	86 Converting waste heat into electricity using cellulose membranes	Poster	Prof	Justin D.	Holmes
		O99	112 Sampling, identification and characterization of microplastics released from daily used plastic products	Poster	Ms	Luming	Yang
		O100	127 Analysis of air quality and relationship with adverse mental health disorders in Ireland.	Poster	Ms	Kristina	Leontjevaite
		O101	31 Encouraging Pro-Environmental Behaviour in Laboratories – A Plastics Challenge	Poster	Ms	Samantha	Fahy
		O102	26 Preliminary Study on the Medicinal Properties of Irish Monofloral Honey	Poster	Ms	Emma	Browne
		O103	85 ContinUFor: Multifunctionality of Transformation to Continuous Cover Forestry.	Poster	Ms	Laura	Harris
		O104	124 Reverse genetic screen using comparative genomics	Poster	Mr	David F. G.	Flores
		O105	147 Dealing with plastic packaging contaminated with residual amounts of food	Poster	Dr	Svetlana	Tretsiakova-McNally
		O106	46 Prediction of radiant intensity using analytical and numerical simulation techniques	Poster	Dr	Cristina	Pablos
		O107	105 Biohydrogen Generation from Wastewater using Microbial Electrolysis Cells – A Study of Cost-Effective and Recycled Anode Materials	Poster	Mr	A K M Khabirul	ISLAM
		O108	113 INACTIVATION OF Aeromonas hydrophila USING HOUSEHOLD WATER TREATMENT	Poster	Dr	Margarita	Hincapié
		O109	117 Socio-technical model for water provision in slums and migratory movements	Poster	Dr	Ester	Guimaraes
		O110	101 3D-printed air-cathodes for microbial fuel cells	Poster	Mr	Yifan	Sun
		O111	128 National Wastewater Surveillance as an early warning system for SARS-CoV-2	Poster	Ms	Niamh	Holohan
		O112	70 Use of waste shell as a low-cost adsorbent for phosphate removal in wastewater	Poster	Ms	Brokemi	Egbedi
		O113	129 Using Rainfall as a Parameter to Develop a Live Bathing Water Quality Prediction System	Poster	Ms	Megan	Whitty
		O114	140 Capability of granular activated carbon to remove Cryptosporidium oocysts from drinking water	Poster	Dr	Seila	Couso-Pérez
		O115	93 Investigating Ireland's Blue Carbon Potential Through a Scientific, Socio-economic and Legislative Approach (BlueC)	Poster	Dr	Grace	Cott
		O116	109 Toxicity bioassays in water clarified by the natural coagulant Opuntia cochenillifera	Poster	Prof	Lyda Patricia	Sabogal Paz
		O117	126 Unmanned aerial vehicles for mapping seaweed; RGB and multispectral sensors	Poster	Mr	Damir	Akhmetshin
		O118	80 Distribution, ecology and productivity of Irish seagrass systems	withdrawn	Ms	Bethy	Villamayor