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SUT, MASTS and the D'Arcy Thompson Forum present:

The first Sustainable Responsible Impact+ Investment+ (SRII++) Workshop
Wednesday 9th November 2022 (Auditorium A)

Custodianship of Marine Life: Ecosystems Impact of Anthropogenic Activity in the 'Blue Space' What does 'Good' look like and How do we Explain it to Others?

Open

13:10 Moya Crawford, President, SUT; Managing Director, D'Arcy Thompson Simulator Centre
[Welcome: What to expect from the first SRII++ workshop – the need to think differently](#)

Session 1: Environmental governance of the 'Blue Space': What is the right thing?

13:15 *Chair: Mike Elliott, Chair in Estuarine & Coastal Sciences, University of Hull*

Part 1: Environmental Social Governance (ESG) – Are we doing the right thing?

ESG is usually associated with climate change, pollution, resource scarcity...In reality it covers a wide spectrum of socio-economic issues such as diversity, ethics, data security, sustainability. In this session we look at ESG from varying perspectives through a series of short talks to stimulate your thinking:

Keynote: Kelly Malynn, Senior Risk Manager, Beazley Leviathan
[Perceptions of ESG versus reality – the Underwriters' perspective](#)

Feargal Brennan, Director of the University of Strathclyde Offshore Engineering Institute
[What innovative companies need from the marine science community with respect to quantifying positive ecosystem impact?](#)

Vidar Åhjem, Senior Principal Specialist, Structural Integrity Advisory, DNV AS
[Function, Form and Classification](#)

Andrew McGlynn, Head of Business Intelligence and Onboarding, CrowdX
[Integration of ESG with raising finance to fund the 'net zero transition'](#)

Discussion/Q&A

Part 2: Data as a Currency

We use money as our main exchange mechanism and yet it is just a concept. Others, like Mark Carney think of it as a convention, and yet that is not strictly true as developments such as crypto currency completely change the rules we take as tacit. In this light, we should also be thinking about other items of worth that fulfil the same purpose. Reliable data maintained to an agreed standard is



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one of them. The fundamental question, however, is - are we measuring the right things? What can be used as a proxy for measuring the health of an ecosystem? And what are the criteria of success? In this session we explore these questions to probe expert input.

14:30 Nick Hanley, Professor of Environmental Economics, Glasgow University
[The economics of biodiversity – The challenge to creating a holistic system](#)

Andy Matkin, Commercial Manager (Environmental Services), Fugro
[What should we be measuring? Is there a 'best' approach?](#)

Brian O'Donnell, Employability Project Co-ordinator, Fife Council
[The RIGHT Project and the Blue Consortium – a collaborative approach](#)

Sarah Brown, Fund Manager, Scottish Marine Environmental Enhancement Fund (SMEEF)
[Supporting impactful projects through strategic investment](#)

Discussion/Q&A

15:15 Coffee

Session 2

15:35 *Chair: Abigail Davies, PhD Student, National Decommissioning Centre/University of Aberdeen*

Part 1: Workshop

Split into four groups to ask ourselves three questions:

With respect to thinking about things differently (in line with the Dasgupta Review on the Economics of Biodiversity), what do we think should be (1) the key criteria of success? (2) the key measures of success? And 3) what mechanisms are already in place that we should be building upon?

Part 2: The Energy Transition and Sustainable Development – Are we really transitioning?

What we are experiencing, now, is just one leg of a long, tough relay race. Starting from a relative standstill, we need to accelerate at a staggering pace in order to cut green house gas emissions. Improved understanding and rigorous thinking is required in order to achieve the desired outcomes. In this session we explore the impacts of decisions and their subsequent actions.

Tavis Potts/Daria Shapovalova, University of Aberdeen
[Ensuring a 'just' and sustainable transition](#)

Moya Crawford, Managing Director, D'Arcy Thompson Simulator Centre and Deep Tek
[Being prepared for the opening up the North-East Atlantic passage and Sustainability](#)

Kate Gormley, Research Fellow, Universities of Aberdeen and Herriot Watt
[Exploring the Challenges and Opportunities for Sustainable Development of Arctic Shipping](#)

Discussion and Q&A



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Initial feedback from the workshop

16:50 Wrap up/Close

17:00 – 18:00 Drinks Reception (Outside Auditorium A) – *A huge thank you to our sponsors!*

Speaker/Chair Biographies

Moya Crawford, President of the SUT; MD, D’Arcy Thompson Simulator Centre and Deep Tek



Moya has worked in the marine and offshore world for over forty years, combining hands-on experience in onsite operations, with positions at executive level. Her core background is the marine salvage industry in the specialist field of deep water cargo recovery. Since the early 1990s, as Managing Director of Deep Tek Ltd, she has concentrated on taking innovative salvage technology, developed on a principles-based approach, into the oil and gas sector; working predominantly between the UK and Norway. Her commitment to building sustainable, technology-led business that is informed by the best available marine science underpins her new role as Managing Director development of the D’Arcy Thompson Simulator Centre Limited at the University of St Andrews’ Eden Campus, a joint venture between Deep Tek and the University’s wholly owned subsidiary StAAR Ltd. She is the current President of the Society for Underwater Technology and also the Chair its International Salvage & Decommissioning Committee and sits on the Advisory Board of the Marine Alliance for Science and Technology Scotland

Session 1:

Chair – Mike Elliott, Chair in Estuarine & Coastal Sciences, University of Hull

Mike is the Director of International Estuarine & Coastal Specialists (IECS) Ltd and also the Professor of Estuarine and Coastal Sciences at the University of Hull, UK. He was Director of the former Institute of Estuarine & Coastal Studies (IECS) at the university from 1996-2017. He has a wide experience and interests with teaching, research, advisory and consultancy including estuarine and marine ecology, policy, governance and management. Mike has published widely, co-authoring/co-editing 20 books/proceedings and >350 scientific publications. He has advised on many environmental matters for academia, industry, government and statutory bodies worldwide and is a member of many national and international committees linking marine science to policy. Mike is a past-President of the international Estuarine & Coastal Sciences Association (ECSA) and is now Vice-Chair of Future Earth Coasts and a Co-Editor-in-Chief of the international journal Estuarine, Coastal & Shelf Science; he currently is or has had Adjunct Professor and Research positions at several universities worldwide.



Keynote - Kelly Malynn, Senior Risk Manager, Beazley Leviathan



Kelly has a specialist focus on the identification, quantification of complex risks across all areas and classes of business. She has previously been responsible for providing risk assurance to the Beazley PLC board on systemic risk aggregation, and emerging risks, with specific focus on cyber and climate risk. Kelly is lead for the Marine, Aviation and Political risk divisions ESG strategy. This includes the identification of potential physical, liability and transition risks arising from a changing climate the development of strategies to address them. She is Co-Chair of the Lloyd's Market Association’s (LMA’s) Climate risk Group and Chair of the Cyber Strategy Group (LMA’s), has been at Beazley since 2009, has over 20 years of Lloyd’s London market experience.



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Feargal Brennan, Director of the University of Strathclyde Offshore Engineering Institute

Professor Brennan is Director of the University of Strathclyde Offshore Engineering Institute and is the James Blyth Chair of Offshore Engineering at the Department of Naval Architecture, Ocean and Marine Engineering. Feargal is a leading authority on the development and assessment of offshore renewables including wind, wave, tidal stream. He has for over twenty-five years been at the forefront of internationally leading research in structural integrity and its application to ships, offshore renewables and the oil & gas sector. He has published over one hundred and fifty papers in peer reviewed technical journals and conferences and sits on numerous national and international committees concerning structural integrity and offshore renewable energy. He is director of the Cranfield - Oxford - Strathclyde University Renewable Energy Marine Structures (REMS) Centre for Doctoral Training.



Vidar Åhjem, Senior Principal Specialist, Structural Integrity Advisory, DNV AS



Vidar has been working in the materials and technology units of DNV for 30 years, 11 in Bergen on the west coast of Norway and the remainder at Høvik near Oslo. Much of this time has been concerned with the testing, examination and qualification of technologies, in particular those for which prescriptive requirements are not available for their implementation. He is responsible for several DNV standards and recommended practices relating to fibre rope technology, including the E407 process framework for functional assurance of rope based deployment and recovery systems.

Andrew McGlynn, Head of Business Intelligence and Onboarding, CrowdX

Andrew is currently the Head of Business Intelligence and Onboarding at CrowdX. Previously he worked as an Analyst at CrowdX and the Taranata Group, focusing on Operational efficiency and ESG practice. Andrew graduated in Accounting from Strathclyde in 2019 and also stood in the General Election for East Renfrewshire as a Liberal Democrat. Andrew has a keen interest in capital markets where ethical investments are a priority. Andrew is also very active in Paisley's community and is a member of several community groups.



Nick Hanley, Professor of Environmental and One Health Economics, University of Glasgow



Nick joined the Institute in December 2017, having previously held chairs at the universities of Stirling, Edinburgh and St Andrews. He is an environmental economist who mainly works on the application of economic methods (including behavioural economics) to biodiversity conservation, invasive species, and measures of sustainability. Nick is also interested in choice modelling and cost-benefit analysis; marine systems; the design of environmental policy (especially Payment for Ecosystem Service schemes); the economics of pollination; and ecological-economic modelling. He is an Associate Editor of Resource and Energy Economics.



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Andy Matkin, Commercial Manager (Environmental Services), Fugro

Andy is a marine environmental scientist with 15 years' experience specialising in marine environmental survey services. Andy has experience in survey design, environmental data collection, analysis, reporting and project management. Andy joined Fugro in 2018 and is currently the environmental commercial manager and the general manager of Fugro's environmental office in Edinburgh. Prior to this, he spent 3 years in Houston in a business development role for a marine survey company specialising in geophysical, geotechnical and environmental surveys, with an emphasis on developing the environmental services within North and Latin America. He has held project management roles focusing on environmental, geochemical and multidisciplinary surveys, including the successful management of a multiclient regional environmental survey in West Africa. Andy represents Fugro on the SUT Decom and Wreck Removal Subcommittee, and on the Marine Environmental Sciences SIG. Andy is a Member of IMarEST, Chartered Scientist and Chartered Marine Scientist.



Brian O'Donnell, Employability Project Co-ordinator, Fife Council



Brian works within Fife Council's Enterprise and Employability Team. He has been involved with various European Territorial Collaboration projects related to skills and innovation, with a focus on Green jobs. He is an Environmental Science and Geography graduate, and is passionate about all things nature, social Justice and how we make the Energy transition work for planet and people.

Sarah Brown, Fund Manager, Scottish Marine Environmental Enhancement Fund (SMEEF)

Sarah Brown manages the Scottish Marine Environmental Enhancement Fund (SMEEF) Project – an exciting initiative enabling private finance to make a positive contribution to Scottish coasts and seas. Sarah comes from a background of facilitation and engagement focused on marine planning, marine recreation and invasive species management. Contact manager@smeef.scot or call 07717 571762.



Session 2:

Chair – Abigail Davies, PhD Student, National Decommissioning Centre/University of Aberdeen



Abigail is a final year PhD researcher at the National Decommissioning Centre, part of the University of Aberdeen. Her project is the quantification of greenhouse gas emissions as a consequence of oil and gas industry decommissioning. Abigail has 15 years of geoscience experience in the upstream oil and gas industry, working for numerous operators and service companies both offshore and onshore, including Halliburton and Maersk Oil. Her experience ranges from geophysics and seismic interpretation, to exploration prospect mapping, geological studies and data management. Abigail has undergraduate and postgraduate teaching and course development experience, and has worked as a teaching associate in the geoscience department at Royal Holloway University London. Abigail gained her MSc in geosciences from Royal Holloway University London, and



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undergraduate degrees in both geosciences from the University of Aberdeen, and industrial design from the Robert Gordon University.

Tavis Potts, Professor in Sustainable Development, University of Aberdeen

Tavis Potts is a Personal Chair in Sustainable Development with long term interests in environmental policy, marine planning, community empowerment and just transitions. He has worked extensively across the international context including both polar regions, Australia, Europe and Asia. He currently co-coordinates the Just Transition Lab at the University of Aberdeen.



Kate Gormley, Research Fellow, Universities of Aberdeen and Herriot Watt



Kate is an experienced multidisciplinary research fellow with a research and industry background in a variety of marine management areas including: marine spatial planning; scenario planning; cumulative and environmental impact assessments; industry stakeholder engagement (primarily offshore energy and shipping); automated image analysis; Arctic research, data and spatial analysis. Kate is a member of several interdisciplinary industry and governmental working groups, including the Society of Underwater Technology's Decommissioning and Wreck Removal Committee, the UK Government's Productive Seas Evidence group and the MASTS Governance and Policy Forum.

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