DCU and the United Nations Sustainable Development Goals 2017 - 2022

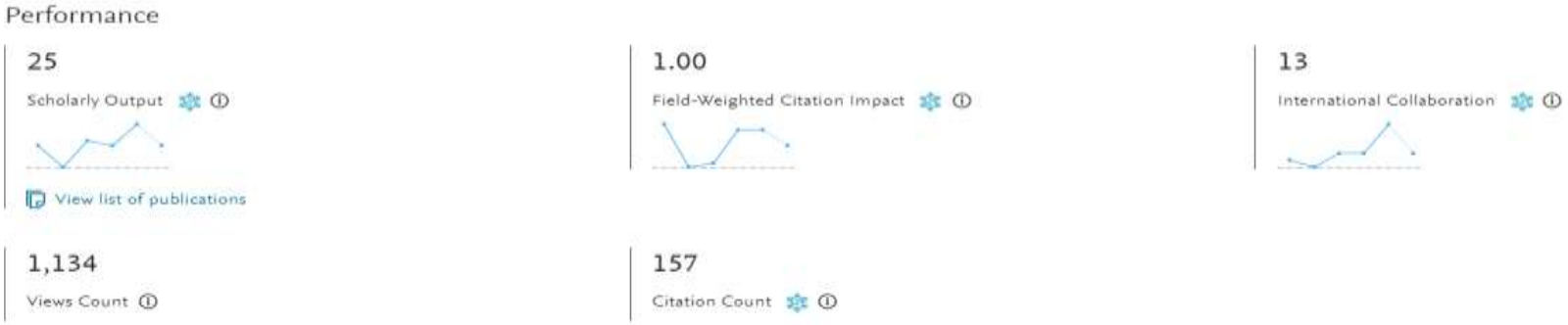
DCU 2017-2022

SDG1 No Poverty

Research Centres:

Educational Disadvantage Centre: https://www.dcu.ie/edc

SDG2 Zero Hunger



Research Centres:

Educational Disadvantage Centre: https://www.dcu.ie/edc National Strategy Group for Hunger Prevention in Schools https://www.dcu.ie/edc/national-strategy-group-hunger-prevention-schools

SDG3 Good Health & Wellbeing

Research Centres:

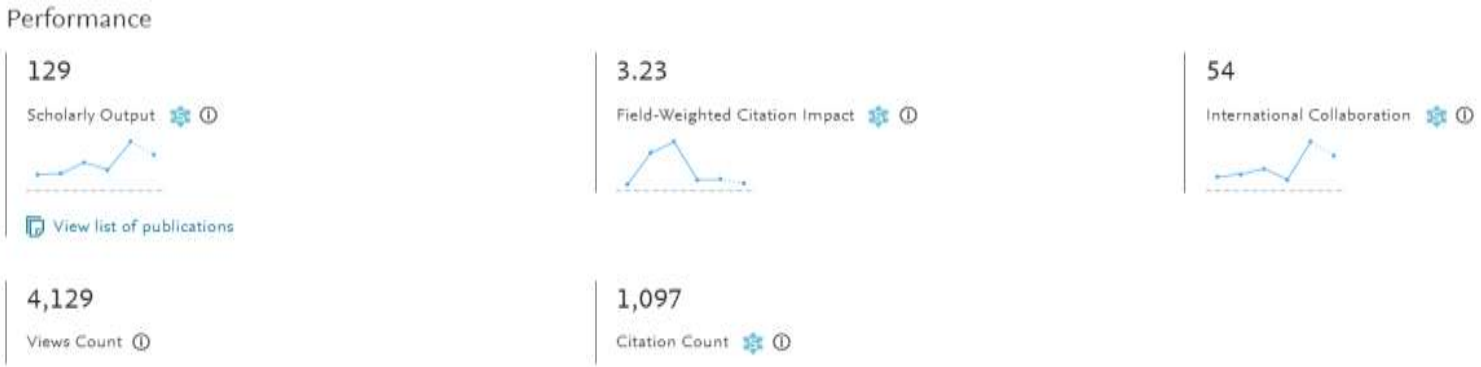
EROSS: https://www.dcu-eross.com/

SDG4 Quality Education

Research Centres:

Anti Bullying Centre: https://antibullyingcentre.ie/ Centre for Human Rights and Citizenship Education: https://www.dcu.ie/chrce

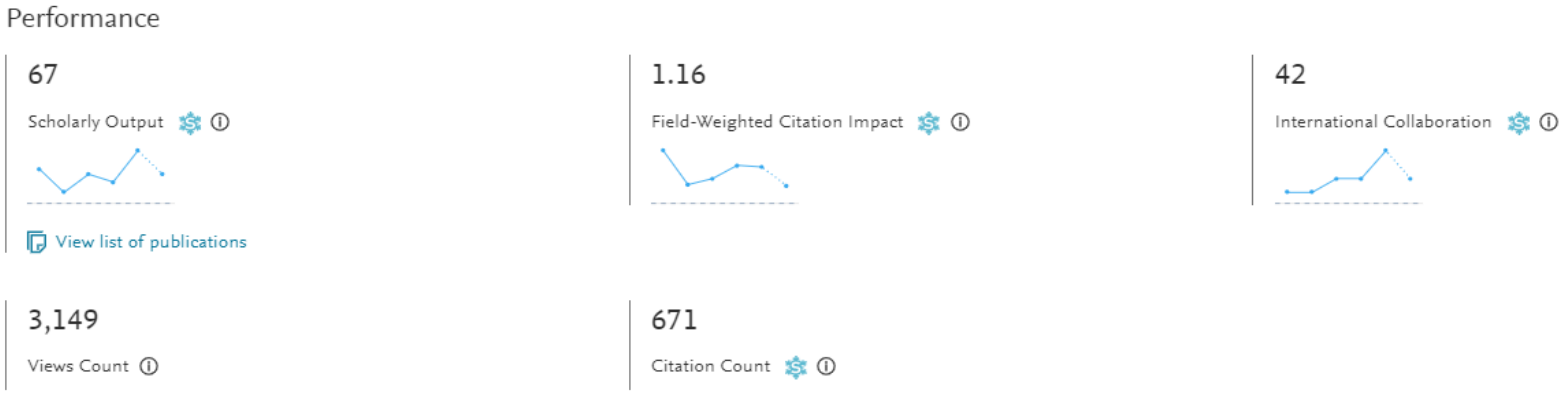
SDG5 Gender Equality



Research Centres:

Centre of Excellence for Diversity and Inclusion: https://www.dcu.ie/hr/centre-of-excellence-for-diversity-and-inclusion

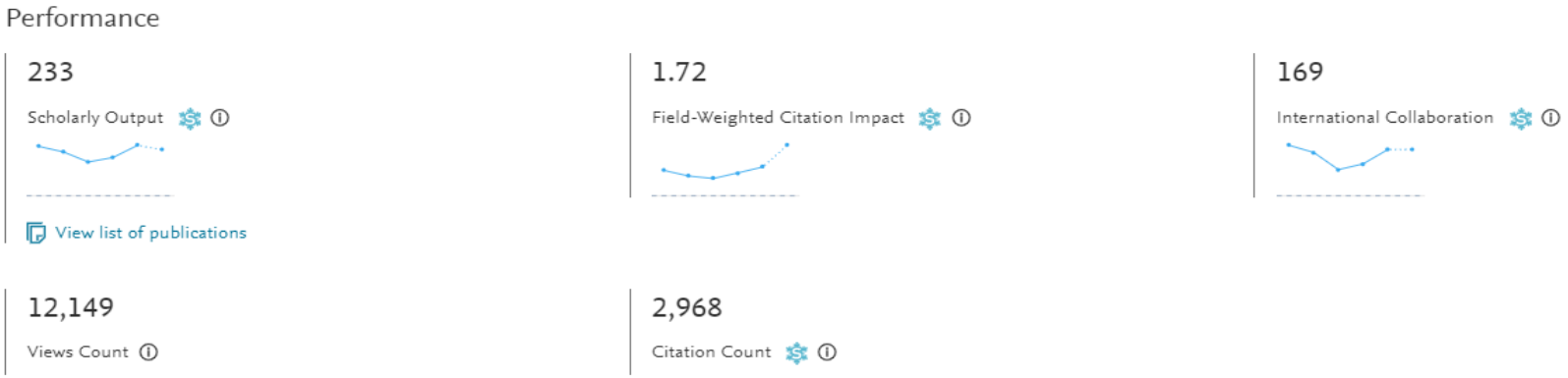
SDG6 Clean Water & Santitation



Research Centres:

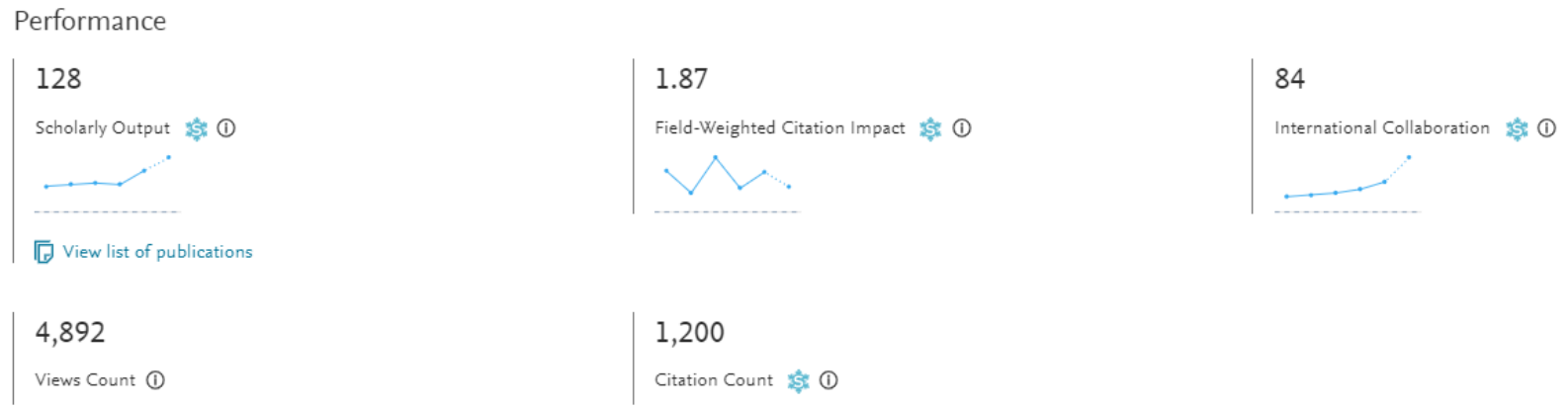
DCU Water Institute: https://dcuwater.ie/

SDG7 Affordable & Clean Energy



Energy Mission: https://www.dcu.ie/estates/energy-dcu

SDG8 Decent Work & Economic Growth



Research Centres:

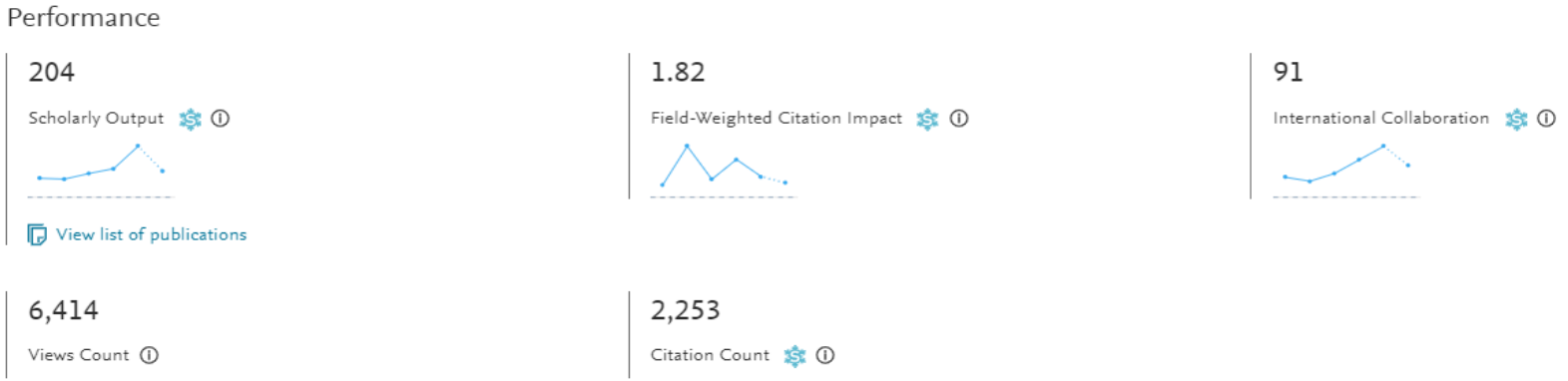
National Centre for Family Business: https://www.dcu.ie/national-centre-for-family-business

SDG9 Industry, Innovation & Infrastraucture

Research Centres:

National Centre for Family Business: https://www.dcu.ie/national-centre-for-family-business

SDG10 Reduced Inequalities



Research Centres:

Irish Refugee Integration Network: https://www.dcu.ie/irin

SDG11 Sustainable Cities & Communities

Research Centres:

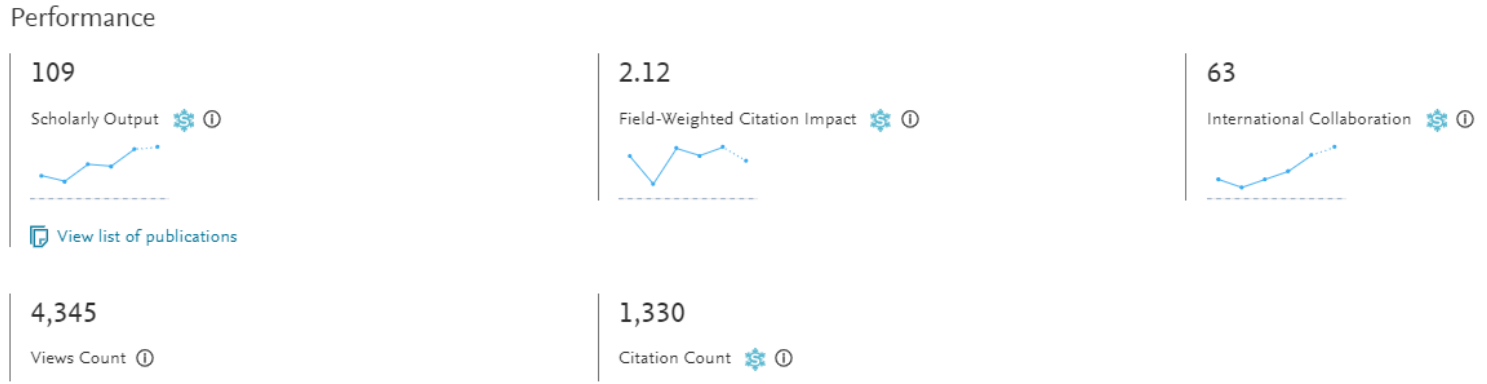
Centre for Climate and Society: https://www.dcu.ie/climate

SDG12 Responsible Consumption & Production

Research Centres:

Centre for Climate and Society: https://www.dcu.ie/climate

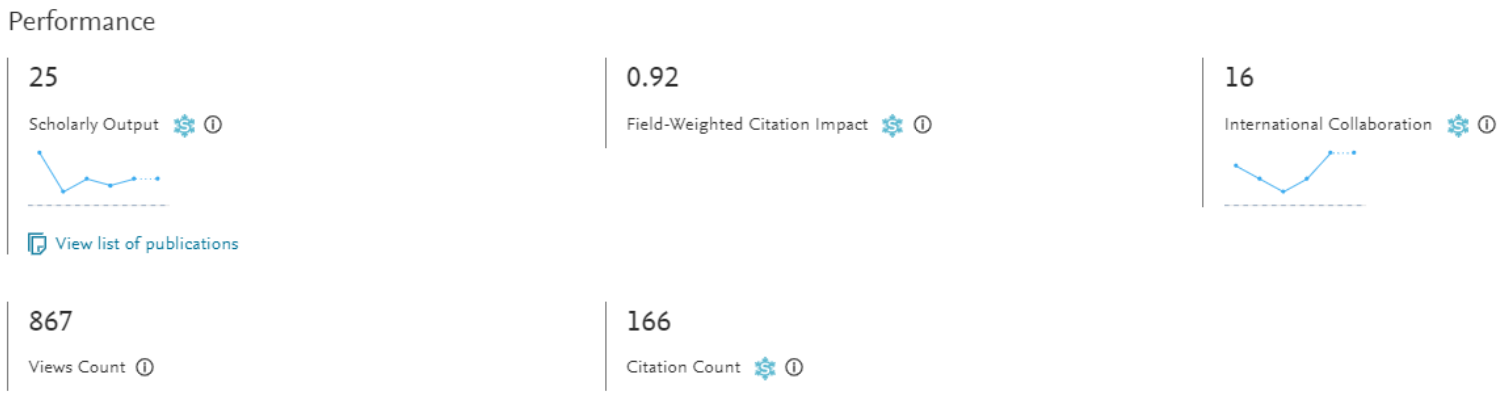
SDG13 Climate Action



Research Centres:

Centre for Climate and Society: https://www.dcu.ie/climate

SDG14 Life below Water



SDG15 Life on Land

Performance

17
Scholarly Output

View list of publications

1.94
Field-Weighted Citation Impact

8
International Collaboration

842
Views Count

191
Citation Count

SDG16 Peace, Justice & Strong Institutions

Performance

297
Scholarly Output

View list of publications

1.52
Field-Weighted Citation Impact

139
International Collaboration

8,100
Views Count

2,085
Citation Count

Research Centres:

Anti-Corruption Research Centre (ARC): https://www.dcu.ie/arc

SDG17 Partnerships for the Goals

https://www.dcu.ie/events/2019/04/dcu-and-the-sustainable-development-goals

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DCU Business School tackle SDGs

To begin tracking this impact, for the first time in our SIP reporting history, we used Scopus (SciVal) search queries for each UN SDG, and we provide an overview of the data on these contributions and impact in the SDG fields.

In summary, between 2018 and mid-2020 DCU Business School academic faculty published 62 publications (Appendix A) that SciVal identified as being related to UN SDG fields, 48 of these were PRJ articles.

Research outputs were particularly strong within:

- **SDG:3** (Good Health and Well-being) had a combined citation count of 46 which amounted to a field-weighted citation impact of 2.73, and a field-weighted view impact 3.58.
- **SDG:8** (Decent Work and Economic Growth) had a combined citation count of 82 which amounted to a field-weighted citation impact of 4.61, and a field-weighted view impact 3.01.
- **SDG:10** (Reducing Inequality) had a combined citation count of 10 which amounted to a field-weighted citation impact of 0.39, and a field-weighted view impact 1.28.
- **SDG:16** (Peace, Justice, and Strong Institutions) had a combined citation count of 31 which amounted to a field-weighted citation impact of 1.48, and a field-weighted view impact 1.84.

UN SDG (reporting via SciVal)	Number of Publications	Average Citations
1. No Poverty	1	1
2. Zero Hunger	-	-
3. Good Health and Well-being	10	6.6
4. Quality Education	1	1
5. Gender Equality	6	4
6. Clean Water and Sanitation	-	-
7. Affordable and Clean Energy	5	4
8. Decent Work and Economic Growth	16	9.3
9. Industry, Innovation, and Infrastructure	5	3
10. Reducing Inequality	13	2.5
11. Sustainable Cities and Communities	1	-
12. Responsible Consumption and Production	2	3
13. Climate Action	3	3
14. Life Below Water	-	-
15. Life on Land	-	-
16. Peace, Justice, and Strong Institutions	16	4.6
Total	79*	5.3

Note: *Unique publications total 62.

Women in Leadership Initiative Research - SDG 5 & 8

Having successfully won research funding via Women in Leadership, the following three projects presented their findings to the Women in Leadership Action Group in 2019.

— **Academic Career Tracks: Enhancing Return to Work Experiences Following Leave**

Dr Yseult Freeney, Dr Lisa van der Werff, and Dr Sinead Smyth

The study explored issues around women's experience of socialization into work ofter a period of leave. The researchers found that organisations that view maternity leave as a brief interlude in a woman's career are the most successful in retaining high potential female employees post-maternity leave. Where maternity leave was viewed as a major disruption issues such as career derailment, unconscious biases amongst colleagues and a deterioration of professional relationships were identified

— **Ensuring a Level Playing Field in Recruitment and Selection -** Practices at4 DCU: The Role of Unconscious Bias Training

Dr Melrona Kirrane and Kirsten Bayly-Parker, MSc

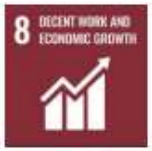
This study reviewed the delivery of unconscious bias training in DCU and nine4 further organisations. Unconscious bias training appears to deliver largely4 positive effects in raising awareness and encouraging deliberation in decision-making. The research concluded that DCU meets the current HEA guidelines4for unconscious bias training. It recommends that all institutions should4attempt to measure the impact of unconscious bias training on an on-going4rather than a once-off basis.

— **Academics Well Being and Career Related Experiences**

Dr Janine Bosak, Dr Melrona Kirrane, and Dr Yseult Freeney

This study investigated the linkages between job demands, work-e interface issues, and wellbeing and career aspirations of both female and male academics. It found that emotional exhaustion was negatively related to both occupational self-efficacy and to perceptions of career success among DCU faculty. Its recommendations included the establishment of university-level consistent equitable and transparent workload models, as well as the introduction of o DCU Out-of-Hours Communication Policy.

More information can be found at: https://media.dcu.ie/media/WILreport/ & https://www.dcu.ie/news/news/2020/Jun/DCU-Women-Leadership-annual-report-reflects-steady-progress-achieving-gender



Research on Economic Impact of Brexit – SDG 8

Professor Edgar Morgenroth produced a study on the potential effects of the imposition of WTO tariffs in a hard Brexit scenario on the UK and all other EU Member States. The article was published in a journal at the start of 2019 and has already attracted 40 citations, and also has received considerable attention among policy makers in Ireland and abroad.

Lawless, M. and Morgenroth, E.L., 2019. The product and sector level impact of a hard Brexit across the EU. Contemporary social science, 14(2), pp.189-207. (https://doi.org/10.1080/21582041.2018.1558276)

Who speaks for whom at work: worker voice and social dialogue – SDG 8, 9 & 10

Dr Eugene Hickland (Assistant Professor of HRM) joined a team of international researchers to capture new insights concerning corporate behaviours and how employer groups function as dominant actors with 'power over' others in the labour market.

The research was undertaken with policymakers, consultancies, employers, employer associations, trade unions, HR managers, workers, and shop steward and non-union employee representatives. First, it impacted employee voice mechanisms at workplace levels. Second, it has impacted employee information and consultation policy, including European Directive transposition issues at national and organisational levels. Third, it has impacted labour market reforms for enhanced collective bargaining and work futures. Finally, it has impacted policies on accessing apprenticeship skills and learning in Ireland.

(https://www.ul.ie/research/sites/research/files/Case%2019%20-%20Worker%20voice%20and%20social%20dialogue.pdf)

Town & Gown Working Together to Delivery the National Risk Assessment (2020) – SDG 11

A team of researchers from DCU Business School are working with the Office of Emergency Planning to design and deliver the National Risk Assessment (2020). Professor Caroline McMullan, Gavin Brown, and Eileen Tully, an adjunct lecturer on the MSc in Emergency Management, will ensure the methodology deployed is in line with international good practice and matches the national risk context. The

previous version (2017), also produced with the same partners, may be viewed at this link: https://www.emergencyplanning.ie/en/news/national-risk-assessment-ireland-2017

Research on environmental policy in aviation – SDG 15

In addition to two Scopus Q1 ranked papers on environmental policy in aviation, Dr. Marina Efthymiou, Assistant Professor in Aviation Management, has recently published a book chapter that contributes to the evaluation of policies related to environment that act as measures to reduce the impact of aviation operation to the environment.

— Book Chapter: Efthymiou M., Papatheodorou A. (2020) Environmental Policies in European Aviation: A Stakeholder Management Perspective. In: Walker T., Bergantino A., Sprung-Much N., Loiacono L. (eds) Sustainable Aviation. Palgrave Macmillan, Cham.

Research on Business Ethics – SDG 16

Peer Reviewed Journal Articles

- Rocchi, M., Ferrero, I., & Beadle, R. (2020). Can Finance Be a Virtuous Practice? A MacIntyrean Account. Business Ethics Quarterly.
- Ferrero, I., Rocchi, M., Pellegrini, M. M., & Reichert, E. (in press, 2020). Practical Wisdom: A Virtue for Leaders. Business Ethics: A European Review.
- Bertolaso, M., & Rocchi, M. (2020). Specifically Human: Human Work and Care in the Age of Machines. Business Ethics: A European Review., doi: 10.1111/beer.12281.

— Rocchi, M., & Thunder, D. (2019). Can a Good Person be a Good Trader? An Ethical Defense of Financial Trading. Journal of Business Ethics, 159 (1), 89-103, doi: 10.1007/s10551-017-3756-3.

Chapters

— Rocchi, M., Redin, D. M., & Ferrero, I. (2020). Practical Wisdom in the Recovery of Virtue Ethics. Handbook of Practical Wisdom.
— Murphy, B., & Rocchi, M. (2020). Ethics of Cloud Computing. Data Privacy and Trust in Cloud Computing.
— Moorkens, J., & Rocchi, M. (2020). Ethics of the Translation Industry. Routledge Handbook of Translation Ethics.
— Ferrero, I., Roncella, A., & Rocchi, M. (2020). Finance for Good. A Virtue Ethics Approach. International Handbook in Business Ethics. Handbook of Ethics in Finance.

— Anti-corruption Research – SDG 16

- Breen, M, and Robert Gillanders (2020), "Press Freedom and Corruption Perceptions: Is There a Reputational Premium?" *Politics and Governance,* Volume 8, Issue 2 (OPEN ACCESS)
- Cummins, M, and Robert Gillanders (2020) "Greasing the Turbines? Corruption and access to electricity in Africa", *Energy Policy*, Volume 137
- Boly, A, Robert Gillanders, and Topi Miettinen (2019) "Deterrence, Contagion, and Legitimacy in Anti-Corruption Policymaking: An Experimental Analysis", *Journal of Legal Studies,* Volume 48, Issue 2, pages 277-305 (Working Paper)
- Breen, M, Robert Gillanders, and Mounir Mahmalat (2019) "Corruption and support for economic reform in sub-Saharan Africa", *Economics Bulletin*, Volume 39, Issue 2, pages 1195-1201
- Adhikari, T, Michael Breen, and Robert Gillanders (2019), "Are New States More Corrupt? Expert Opinions vs. Firms' Experiences", *Applied Economics Letters*, Volume 26, Issue 2, Pages 131-134 (Working Paper)

- Gillanders, R and Olga Neselevska (2018), "Public Sector Corruption and Trust in the Private Sector", *Journal of International Development,* Volume 30, Issue 8, Pages 1288-1317 (Working Paper)
- Gillanders, R and Sinikka Parviainen (2018), "Corruption and the Shadow Economy at the Regional Level", *Review of Development Economics,* Volume 22, Issue 4, Pages 1729-1743 (Working Paper)
- Boly, A and Robert Gillanders, (2018) "Anti-Corruption Policy Making, Discretionary Power and Institutional Quality: An Experimental Analysis", *Journal of Economic Behavior and Organization,* Volume 152, Pages 314-327 (Working Paper) (OPEN ACCESS)
- Gillanders, R and Sinikka Parviainen (2018), "Experts' Perceptions versus Firms' Experiences of Corruption and Foreign Direct Investment", *The Manchester School,* Volume 86, Issue 2, Pages 195–218 (Working Paper)

A selection of active research projects during our 2018-2020 SIP reporting period

RINNO - SDG 9 – 2020-2024 (https://iidb.ie/horizon2020/rinno/)

Project PI: Professor Theo Lynn

RINNO is a Horizon 2020 project that aims to deliver a set of processes that when working together give a system, repository, marketplace, and enabling workflow process for managing deep renovation projects. RINNO is expected to impact the EU inefficient building stock by:

- reaching an ambitious annual renovation rate of 3.5%
- primary energy savings of 165 GWh/year
- a reduction of electricity cost by at least 30%
- a total cost / time reduction in comparison with typical renovation by more than 30% and 40% respectively
- an estimated reduction of 40,400 tons CO2-eq/year.

GENRE - SDG 5 & 10 – 2019-2021 (http://mauramcadam.com/genre-project/)

Consortium led by Professor Maura McAdam

The project is titled 'Overcoming the Entrepreneurial Ecosystem Gender Divide: A Cross-Cultural Perspective'. The aim of the project is to provide a nuanced understanding of how gender is a decisive factor when it comes to women's participation in the entrepreneurship ecosystem.

It is hoped that this project will increase awareness of gender inequality within the high tech sector, which may lead to more gender equality in the sector and for more women to become successful technology entrepreneurs.

REWIR - SDG 8 & 10 – 2019-2021 (https://celsi.sk/en/projects/detail/64/)

Irish research team is led by Dr. Eugene Hickland, Dr. Margaret Heffernan, Dr. Aurora Trif and Dr. Tish Gibbons.

REWIR, is a research project investigating how employees return to work after experiencing long term debilitating illnesses. It particularly focuses on people with cardiovascular diseases, cancer, mental health and chronic muscular/ skeletal diseases.

Among its objectives are:

- To strengthen expertise on the role of social partners in designing and implementing return to work policies at the European and national levels through social dialogue initiatives.
- Analyse the implementation of particular targets of Europe 2020
- Enhance knowledge on information, consultation and co-determination of employee representatives at company level in issues that are relevant to an increasing part of the work force and enable work retention of people exposed to chronic diseases.

— Extend the knowledge on preventing risk of marginalisation, discrimination and the threat of poverty for workers that suffer(ed) from long-term illness; and enabling their return to work and interest representation at the labour market.
— Rethink how industrial relations play a role in the (re)definition of concepts as intergenerational fairness, longer labour market involvement, job performance, presence at work, and fitness for work.

INTERSEX - SDG 3 & 10 – 2020-2024
(https://cordis.europa.eu/project/id/859869)

DCU team led by Professor Regina Connolly

The project is titled 'Creating knowledge on intersex studies, policies and practices from a human rights perspective'. The practical focus of the programme will be on developing topical and original applied outputs of relevance to stakeholders concerned to support the wellbeing and rights of intersex people. The project will train a cohort of highly skilled researchers who will enable fast-track developments of intersex studies, policies and practices, working in a multidisciplinary and transectoral network bringing together 21 organisations from 10 countries.

RECAP - SDG 9 – 2017-2019 (https://recap-project.eu/)

Project PI: Professor Theo Lynn

RECAP is a €4.6million EU-funded project to develop the next generation of optimised cloud computing systems to support the Internet of Everything. The project will pave the way for a radically novel concept in the provision of cloud services.

CARBON UP CYCLE - SDG 11 – 2017-2019 (http://carbonupcycle.ie/)

Project PI: Professor Mark Cummins and Dr. Mary Pryce

A Real Options Analysis Approach to Appraising CO2 Recycling Technology Investment. In order to make the most effective use of limited public budgets while producing the most effective research, the project offers insights into the size of R&D budgets to address both greenhouse gas reduction and energy storage.

MIDAS - SDG 3 – 2016-2020 (http://www.midasproject.eu/)

DCU team led by Professor Regina Connolly and Dr Paul Davis

The MIDAS consortium is a partnership involving health authorities in five EU countries and the U.S. and technical big data experts from research institutions, MNCs and SMEs. Managing big data for 'health in all' is a monumental challenge for policy makers. MIDAS is addressing this challenge by developing and delivering an integrated solution which will liberate knowledge from data silos and unify heterogeneous big data sources to provide evidence-based actionable information and transform the way care is provided.

DCU COVID-19 RESEARCH AND INNOVATION HUB - SDG 3, 8, 9 & 11

The hub is leveraging Dublin City University's research expertise, in collaboration with national and international stakeholders, with a view to developing solutions that can be implemented and deployed within a three to six months' time frame, in total, 15 research studies were funded by DCU Educational Trust, and 3 of these were from DCU Business School.

"*The hub is a living example of a rapid response research initiative, placing collaboration, at both national and international level at the heart of what we do and bringing DCU's interdisciplinary research capabilities together to make a strong and positive contribution by providing solutions to the many challenges we are now facing. The projects funded are focused not just on testing but also on frontline workers, children, vulnerable groups, students and businesses within our society.*" **Prof Christine Loscher**.

- **Leading in Crisis: Lessons from Chief Human Resource Officers**, by Professor David Collings (Associate Dean for Research) and Dr John McMackin (Assistant Professor of HRM).
  The study sets out to understand the experience of senior HR leaders in leading through crisis. The study will generate evidence-based and actionable insights for HR and other organisational leaders as they begin to exit the crisis. It will also provide insights into the organisational practices and routines that have proven effective in navigating the crisis.
- **LISTEN: Capturing Learning from the Frontline Response to COVID-19**, by Professor Caroline McMullan (Full Professor of Business & Society), Dr Ann Largey (Vice Dean for Education and Research), Gavin Brown (Assistant

Professor of Business & Society), and Grainne O'Shea (advanced paramedic with the National Ambulance Service).
This project will LISTEN to the first responders who must complete testing, medical assessment, triage, and initial treatment of suspected COVID-19 cases in a range of settings from individuals' homes, nursing homes, to clinical settings.
It is vital that the challenges and good practice observed by those closest to the patients are documented, collated, and analysed. This research captures opportunities for learning which can inform the current response to COVID-19, risk management in the medium term, and help build longer-term national resilience.

— **Open Source Innovation** by Dr Roisin Lyons (Assistant Professor of Entrepreneurship).
This study seeks to investigate the trajectory and momentum of open-source innovative communities as embedded within the global and national developments of the COVID-19 crisis. Focusing specifically on the TeamOSV initiative in Ireland, the study will employ qualitative case studies with key stakeholders within the community and will also map open-source behaviour and output as related external factors pertaining to the spread of the virus.