Research Cross Cutting Themes

&

Resources

FACILITIES AND KEY STATISTICS

* Please also refer to the Annual reports produced by the Office of Research, Innovation and Graduate Studies: https://www.wit.ie/research/our_research/key_facts_figures

This information pertains mostly to SETU Waterford campus (updated on 08/09/23) with some SETU joint data collected from the period 01.05.22 to 31.08.23. We have inserted relevant footnotes to explain the source of the data represented below.

South East Technological University (SETU) has over 18,500 students and 1,800 staff and is a leading research-intensive institution where undergraduate education, postgraduate masters and PhD training, research, innovation, and community engagement form a dynamic continuum of activity. SETU is at the forefront of Ireland's postgraduate education with 580 Research postgraduate students on the register for 2022/2023 across all campuses (225 on the PhD Register and 355 on the Research Masters register[1]). SETU is home to almost 800 international students from over 70 countries representing all 5 continents and, in addition, places great emphasis on the internationalisation of the Irish student experience – preparing all students for future employment and a life that crosses borders, boundaries and cultures. Postgraduate study and postgraduate research are an integral element of higher education provision and central to how SETU operates. As a TU our ambition is to continue to grow our PhD graduate numbers over the coming years, 7% by 2030. A total of **145** students from all campuses in SETU graduated with research postgraduate awards in 2021/2022 (130 Research Masters and 15 PhD). [*updated on 23.12.22-Joint SETU data]*

[1] https://hea.ie/statistics/data-for-download-and-visualisations/access-our-data/access-our-data-students/

In 2022/23, 89 of the 204 on the level 10 PhD Register for the 2022/23 academic year are internally funded or 44%. A further 35% are funded externally and 21% are self-funded for that period.

SETU areas of R&D (research & development) expertise include ICT (Information and Communication Technology), environmental and health sciences, pharmaceutical and biotechnology research, engineering and applied materials and Business and Humanities. Researchers at SETU have substantial experience in coordinating projects and securing funding in these areas at national and EU (European Union) level. As a result of its work on collaborative research projects, SETU has built extensive alliances with leading industrial and academic partners across Europe. Research and Innovation is a core activity at SETU and is one of our main connection points with industry, commerce, enterprise, and the community. The University's Strategic Plan "Connecting for Impact" 2023-2028 defines one overarching strategic goal for the University to become a "research-led organisation with a demonstrably impactful, innovative, and dynamic research community". The University competitively secures research grants on of over **€20m** on average each academic year.

Our Research Centres in SETU Waterford Campus boast a history of success in attracting prestigious funding. In the past 5 years (01/09/2018 to 31/08/2023) researchers have secured funding from "Science Foundation Ireland (€11.4m), Enterprise Ireland (€21.2m), and the Irish Research Council (€2.3m)".

Since the establishment of SETU, the University continued to grow its research income. In the period 01/05/22 to 31/08/23 SETU recorded a total of **€31.85m** in research income.

Our research expenditure remains relatively high in the period **(€31.19m**), a pro rata comparable figure to that of the last full academic year of 2022/2023, demonstrating stability in terms of the outward financial impact of SETU by way of its research activity. In addition, the Institutions laboratory facilities have been independently honoured by numerous short-listings and multiple victories within the Irish Lab Awards and Pharma Industry Awards, often triumphing ahead of stiff competition from industry. In late 2022 SETU was awarded over 2 million euros in funding for a SFI Infrastructure award in the area of high-resolution scanning, enabling the installation of cutting-edge equipment in the University and further collaborations with industry. In recent times SETU has developed considerable expertise and success in health sciences, attracting over €1m in funding from philanthropic sources in the past 6 years.

The **internationally recognised,** high-quality research ongoing at SETU is evidenced by success in **EU funding** programmes. At the end of the Horizon 2020 framework programme SETU Waterford Campus was the top-ranking Institute of Technology in Ireland with a total of €17.93m in funding secured, with 33 signed grants, including projects where SETU Waterford Campus was the only Irish HEI involved. Continuing this trajectory under the Horizon Europe programme, as of February 2024, SETU has secured **€11.31M** in European funding awards.

Our vibrant research ecosystem comprises researchers, students, entrepreneurs and industry contacts focused on the goal of conducting internationally benchmarked, nationally strategic, policy-aligned, and societally - relevant research.

Research Expenditure, research agreements and consultancy with Industry 2022: KTI metrics for SETU

SETU stands alone in the Technological University sector as host to 4 Enterprise Ireland Technology Gateways (SEAM, PMBRC, TSSG and Design+). These Gateways are focal points for industry to engage with and capitalise upon the wealth of expertise available at SETU. The success of this knowledge transfer to industry is evident in our Knowledge Transfer Ireland metrics over the past 5 years (for SETU Waterford Campus) from **2017 to 2021**: licence agreements (55), spinout companies (6), collaborative research agreements with industry (378), invention disclosures (48), and patents filed (17).

In the period **September 2021 to April 2022**, SETU (all campuses) have had further growth with an additional spin out (1), more collaborative research agreements (92) additional Licence agreements (7) invention disclosures (11) and patents filed (2)[3].

2022 KTI Figures for SETU	Numbers	
Number of Collaborative Research Agreements with Industry	76	
Number of Innovation Vouchers with Industry	108	
Number of Consultancy Agreements with Industry	54	
Total Number of Collaboration, innovation voucher and consultancy services agreements with industry	**238**	

Source: https://www.knowledgetransferireland.com/Reports-Publications/Annual-Knowledge-Transfer-Survey-2022.pdf

ArcLabs represents an ecosystem of entrepreneurship and innovation, bringing together academic research, enterprise, and regional stakeholders. ArcLabs is committed to developing a sustainable economy in South East Ireland through supporting world-class innovative enterprises creating high-value, interesting jobs in the region. The centre currently houses more than twenty early-stage companies, both spinouts from SETU Waterford Campus, research activities and spin-in companies seeking to access the research resources of the Institution.

The Institution's research activity has continued to make a significant impact in the region and beyond. ArcLabs Research & Innovation Centre, SETU Waterford's business incubator, remained a key driver for economic development in the region. ArcLabs currently houses **29** start-up and early-stage companies, a substantial percentage of which are actively engaging with SETU's ICT research centre, the Walton Institute, on collaborative research activities. In addition, a further eight companies are housed in SETU's Kilkenny ArcLabs facility. Together, these ArcLabs-supported companies employ more than **180** people between the sites in Waterford and Kilkenny. SETU's involvement in the highly innovative partnership with the National Digital Research Centre (NDRC) has continued to grow. The NDRC at ArcLabs Accelerator Programme is designed to accelerate the growth of early-stage companies with its 6th cohort running in 2023.

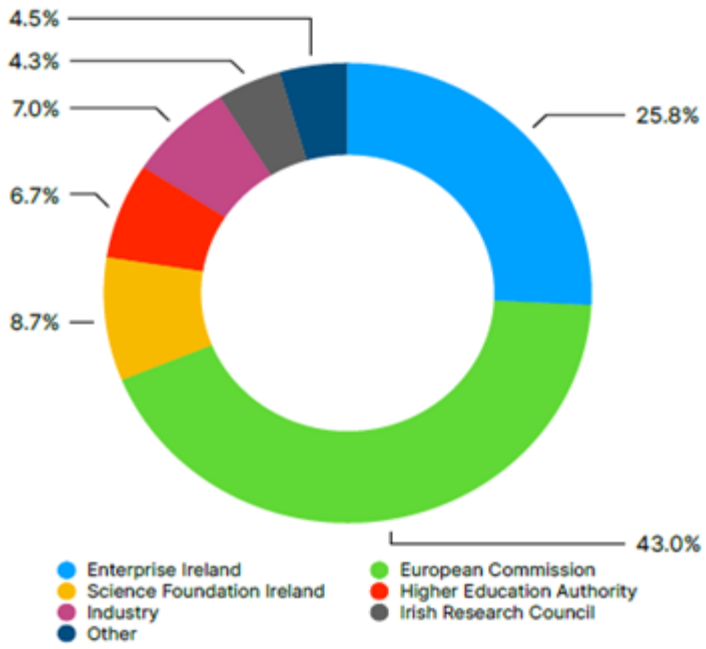


Figure 1: SETU Research Funding Sources 01/05/2022 to 31/08/2023

A combined total of **€27,708,880** was awarded in the period. The charts above represent the focus of award sources for each campus distinctly with respect to the award total for that campus. Total Funding for the Period May 2022-September 2023 for all SETU. The % Share by School/Faculty/Core can be seen in Figure 2 below.

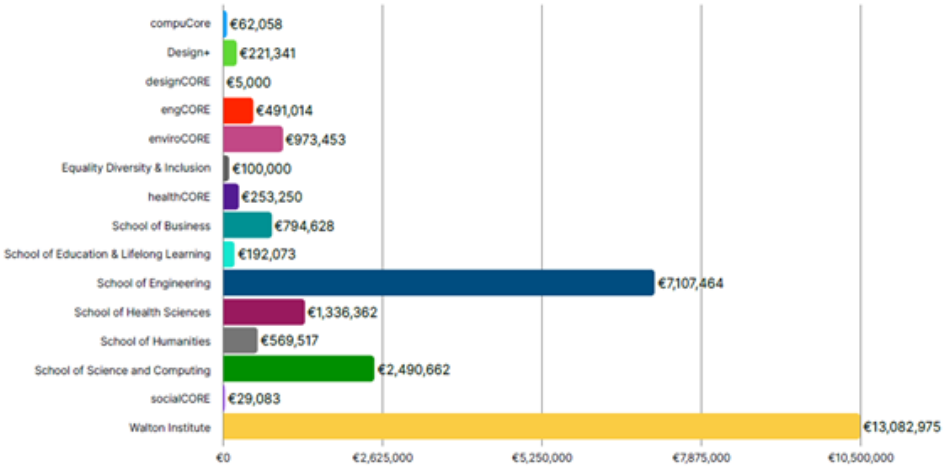


Figure 2: Total Funding for the Period May 2022-August 2023 for all SETU by School/Faculty/Core

- FUNDING HIGHLIGHTS FOR SETU FROM MAY 2022 TO AUGUST 2023

- SFI National Challenge Fund PESTech - €226,000.00
- SFI Research Infrastructure High Energy, High Resolution Dual Beam X-Ray MicroComputed Tomography for Advanced Manufacturing Research - €2,027,718.00
- IMAGINE B5G Advanced 5G Open Platform for Large Scale Trials and Pilots across Europe - €5,073,750.00
- IrelandQCI Building a National Quantum Communication Network for Ireland - €4,442,978.12
- EU-Conexus Plus: SETU is a full partner in the European University Alliance for Smart Urban Coastal Sustainability - €1,564,509.00
- DDS-Map Dynamic Digital Resilience for Medical and Allied Professions in Health Services - €336,165.00
- Grass Ceiling: Gender Equality in Rural and Agricultural Innovation System - €527,585.00
- EI Capital Equipment Call (SEAM, ICS, PMBRC) €2,017,010.00
- EUROPEAN WINS UNDER HORIZON EUROPE 2022 – 2023 CALENDAR YEARS
- Grass Ceiling (Gender Equality in Rural and Agricultural Innovation Systems) funded under Horizon Europe Cluster 6 programme, is coordinated by Prof Sally Shortall in the School of Humanities, SETU. The project brings together 25 partners to co-create tools to empower women-led socio-ecological innovations in farming, the rural economy and in rural communities (e.g. smart agriculture, ecotourism, energy neutral village halls, community gardens). The SETU project value is €257,585 with a total project drawdown of over €2.8 million.
- IrelandQCI as part of DIGITAL Europe's EuroQCI, an EU-wide quantum communications infrastructure programme is coordinated by Dr. Deirdre Kilbane, Walton Institute, SETU. The €10 million IrelandQCI project aims to building a national quantum infrastructure for Ireland and is jointly funded by the EU Digital Europe programme and the Department of the Environment, Climate and Communications (DECC). The SETU project value is over *€4.4 million.*
- *DDS-MAP (*Dynamic Digital Resilience for Medical and Allied Professions in Health Services) is a SETU coordinated (Prof John Wells, School of Health Sciences) EU4 health project. The project brings together 15 European partners consisting of Higher Education Institutions (medical, nursing, education and digital technology), NGOs, health authorities and health insurers. DDS-MAP has secured funding worth over €2.4 million of which €1,982,000 is provided under the European Union's EU4Health programme under grant agreement no – 101101259. The SETU grant value is € 298,342.14.
- DUCA (Data Usage Control for empowering digital sovereignty for All citizens), a MSCA Staff Exchange project is coordinated by James Clarke, Walton Institute. DUCA's framework comprises a set of security and privacy-enhancing solutions, which will be platform-independent to enable compatibility with various architectures and deployment models. The SETU project value is €207,000 with a total project drawdown of over €1.6 million
- Imagine B5g Advanced 5G Open Platform for Large Scale Trials and Pilots across Europe is funded under Horizon Europe Cluster 4 programme and will develop a revolutionary end-to-end 5G platform created for large-scale trials and pilots. SETU (James Clarke, Walton Institute) is a project partner in the consortium. The SETU project value is over €5million with a total project drawdown of over €12.3 million
- DIVINE (DemonstratIng Value of agri data sharIng for boostiNg data Economy in agriculture) funded under Horizon Europe Cluster 6 programme, aims to show the cost benefits and added

value of sharing agri-data. To do this, it will develop an agri-data ecosystem that combines data already commonly shared while also using industry-led pilots that are devised on data-sharing plans. SETU (Walton Institute) is a project partner in the consortium. SETU project value is €445,000 from the projects total project funding of over €3.9 million.

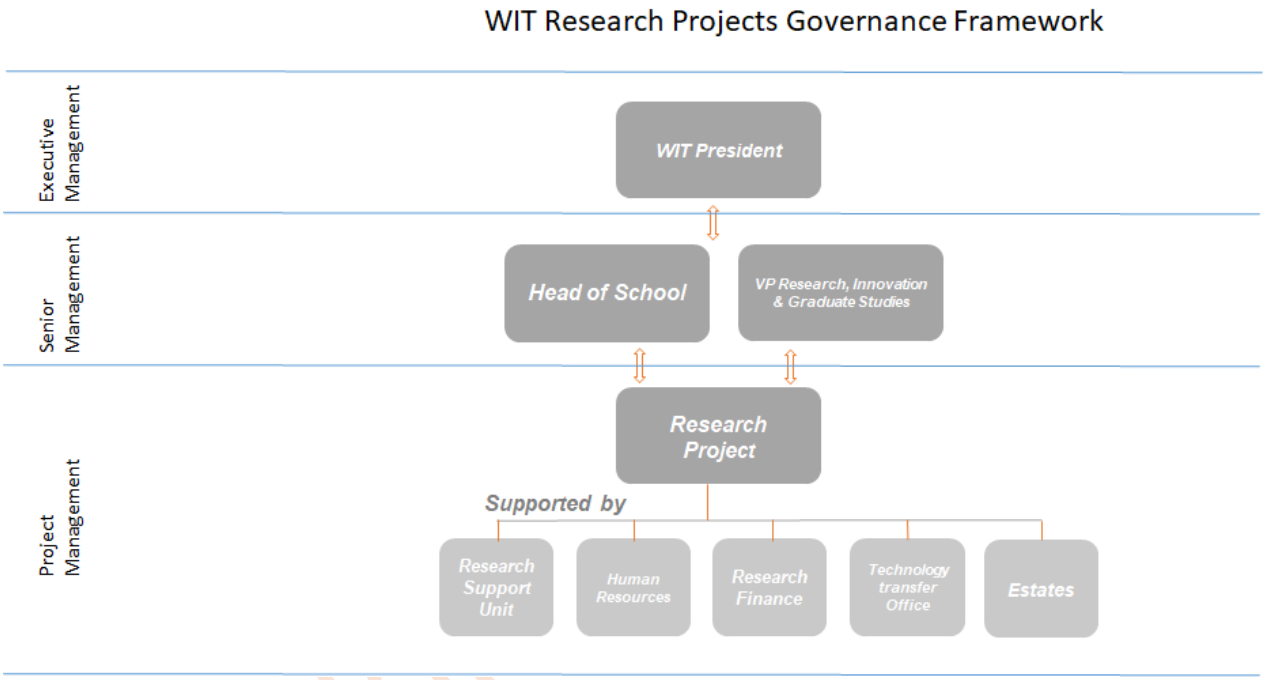
- SNS Ops (Supporting the 6G Smart Networks and Services Joint Undertaking) supports the Smart Networks and Services Joint Undertaking (SNS JU) operations. The project will promote and enable effective cross-SNS project coordination to maximise the output and impact of the SNS JU as a coherent programme. SETU (James Clarke, Walton Institute) is a project partner in the consortium. The SETU project value is €181,250 from the projects total project funding of over €2.9 million.
- COALESCE: Joint Optimization of Data and Energy Networks for digitizing Sustainable Communities promotes the sharing of expertise and knowledge among professionals in the energy, data, and telecommunications sectors across academia and industry. This collaborative approach will enable the project to leverage insights from diverse perspectives to create a comprehensive and effective cross-optimisation platform. SETU project value is €1,591,600.
- EU-CONEXUS ENABLES: Promoting in value creation through deeper and geographically inclusive cooperation, and on the other hand to the societal based topics and needs coming from our supporting ecosystems of stakeholders. SETU will lead activities on career development and training, the project value is €388,860 from the projects total project funding of over €4.9 million.
- NGI Transoceanic: Builds on the success of the pre-cursor initiative NGIAtlantic.eu [2020-2023], delivered by the same EU partners, and two USA partners, as a strong and consolidated European Union (EU) and United States of America (USA) Financial Support to Third Party (FSTP) ecosystem with 35 funded EU – USA projects on NGI topics. SETU project value is €3,578,062 from the projects total project funding of €4 million.
- AI-DAPT: AI-Ops Framework for Automated, Intelligent and Reliable Data/AI Pipelines Lifecycle with Humans-in-theLoop and Coupling of Hybrid Science-Guided and AI Models. AI-DAPT brings forward a data-centric mentality in AI, that is effectively fused with a model-centric, science-guided approach, across the complete lifecycle of AI-Ops, by introducing end-to-end automation and AI-based systematic methods to support the design, the execution, the observability and the lifecycle management of robust, intelligent and scalable data-AI pipelines that continuously learn and adapt based on their context. SETU project value is €515,625 from the projects total project funding of €8,995,540.

- To find out more about the performance of SETU participating in EU R&I programmes: its projects, the amount of EU funds received, its collaborations please visit the Horizon Europe Dashboard and perform an organisation profile for South East Technological University https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/horizon-dashboard
-

- PREVIOUS YEARS KEY FUNDING HIGHLIGHTS (2021)
- **European Funding Highlights:**

- In February 2021 WIT was awarded an individual Marie Skłodowska-Curie Actions (MSCA) Fellowship – CAN Cognition and Nutrition. The project conducted interdisciplinary cross-sectional research based on pioneering methodologies and technologies from the combined fields of nutritional epidemiology and cognitive neuroscience (NCN). The total value of the award was €174,928.
- In December 2021 the former Waterford Institute of Technology was awarded a **€1.95m Northwest Europe Interreg.** The institutional value **€1.04m.** The project aims to raise awareness, protect shared cultural and natural heritage and support sustainable engagement, establishing two new experiential tourism and cultural cross-border networks.
- European Commission, H2020-**GreenDeal** project was awarded titled 'Systemic Innovations Towards a Zero Food Waste Supply Chain' for a total WIT value of €402,500. This project is led by Dr. Deirdre Kilbane in the Walton Institute.
- In December 2021 WIT partner in award an Erasmus Plus grant titled DIFUCH - Digital Future Challenge Based Learning in Higher Education. The project developed a digital future Challenge-based learning joint programme within an innovative and flexible academic structure and framework. The total project value was €279,762 with the WIT value amounting to €83,362.
- **National Funding Highlights:**
- Two SETU-based researchers secured **€1.15m** in funding from the Environmental Protection Agency (**EPA**) to support their research projects under the Competitive Research Call. Dr Claire Keary was awarded **€575,128** her project titled 'Gamma Radiation Dose Evaluation (GRaDE)' while Mr Robin Stubbs, Research Lead and Lecturer at SETU's Dept, of Architecture and Built Environment has secured **€590,558** for his research project entitled 'Cúpla Trá.
- In 2023 SETU saw great successes under the **Tech Gateway Capital Equipment Call** with Enterprise Ireland, for our four Tech Gateways totalling approximately **€2.01m.** This funding will enable the gateways to continue their work, delivering R&D support to local companies, and to operate at the cutting edge of technology in their respective sectors. Access to this R&D expertise, especially for start-ups and SMEs is critical to enable them to improve their competitiveness and develop new product ranges.
- VisonARY_ Led by Dr. Frances Cleary, The Telecommunications Software & Systems Group (TSSG) and Nutrition Research Centre Ireland (NRCI) within Waterford Institute of Technology (WIT) are partnering on the revolutionary, €287,512 project funded under the Enterprise Ireland **Commercialisation Fund**. https://www.wit.ie/news/research/wit-research-centres-collaborate-on-the-future-of-vision-testing-technologies. This research has the potential to have huge benefits for industry and the sector.
- Dr Ramesh Raghavendra secured €2 million in funding through the SFI Research Infrastructure Fund to secure an exclusive high-power, high-resolution CT scanner, the first of its kind in Ireland, in a major boost to Irish research and industry.
- Dr Ray Griffin secured Concept and Seed level funding under SFI's Challenge 2050 call titled 'PEStech' for a total value of €226,000. This highly competitive SFI Challenge based award has the potential to secure additional funding for the SETU team.
- WIT was granted an (REDF) Regional Enterprise Development Fund worth €1.34 million, secured by Dr. Patrick Lynch of RIKON to launch a Lean Industry 4.0 (LI4) lab in the South East of Ireland.

The securing of this fund also saw the establishment of a DAC (Designated Activity Company) for WIT to run and manage this fund, bringing the total to two for WIT in established DAC's under the REDF fund (the previous DAC under the REDF was 3DWIT with SEAM). This state-of-the-art facility will offer an environment to apply lean excellence using technology, analytics and simulation for industry.



If you would like this diagram edited for your specific project/proposal, please contact research.wd@setu.ie

RESEARCH SUPPORT NETWORK

- **The SETU Waterford Research Support Unit** is committed to assisting Researchers at with all aspects of their funded research activity, pre- and post-award. The RSU supports researchers in submitting research proposals and managing the research projects once funded, in compliance with SETU and funding body policies and regulations. The RSU in partnership with the Schools, Departments and other central offices, supports the research community during all phases of the research project lifecycle. The RSU works together with the HR office and the Finance office to support researchers in funding acquisition and to acquire relevant skills for their career development, enhancing inter-disciplinary collaboration and organising various training events throughout the year.

Key Contacts: https://www.wit.ie/images/uploads/Research_PDF/KeyPointsOfContactDuringTheResearchProjectLifecycle_May_2021_Final_1.pdf

- The SETU, Waterford Campus has a dedicated **Technology Transfer Office** with extensive experience in Management and exploitation of IP, commercialisation of technologies, etc. SETU has an IP Policy which outlines the specific policies in relation to IP in SETU and the procedures around it. https://www.wit.ie/research/for_researchers/commercialising_your_research/
- SETU has a dedicated **Research Finance office** to provide financial advice and services to researchers at all stages of the project lifecycle for funded research projects, self-financing projects, conferences, consultancy and summer schools.
- SETU's **Office for International Relations** co-ordinates the admission, administration and support for International students. They provide information on all immigration matters, living and working in Ireland, travel within the EU and life at SETU.

CORE FACILITIES:

Pharmaceutical and Molecular Biotechnology Research Centre (PMBRC)

The Pharmaceutical and Molecular Biotechnology Research Centre (PMBRC) is a research centre which aims to support the sustainable growth of the pharmaceutical and healthcare industry in Ireland. One of 15 Enterprise Ireland funded Technology Gateways, the PMBRC consists of a state-of-the-art facility with 34 highly-trained research personnel. The PMBRC hosts a wide range of major research equipment funded primarily through competitive research sources. Facilities, with associated expertise, include spray drying; NGI (currently project specific); DSC; TGA; solid-state NMR; AFM; LASER diffraction (with powder and liquid dispersion); dynamic vapour sorption; N_2 porosimetry; constant climate stability chamber; DLS; LC/GC-MS; Cell culture facility; Fluorescent microscope; LC detectors: RI, ELSD, FLD, DAD; and SCF processing and extraction/impregnation. The PMBRC has established links with national and international partners in industry, academia and medical care institutions. The PMBRC is involved with a number of nationally-funded research clusters, and centres, e.g. SSPC and PMTC and has access to national research

infrastructure. Research funding has been leveraged from SFI, EI, scholarships and industry as well as from the European Commission.

Detail on other groups/centres can be accessed at these links:

Centres: https://www.wit.ie/research/centres_and_groups/research_centres

Groups: https://www.wit.ie/research/centres_and_groups/wit_research_groups/

GENDER IN RESEARCH

WHY DO WE NEED TO FOCUS ON GENDER IN RESEARCH AND INNOVATION?

Gender equality is a central theme underlying European and National Research and Innovation policy.

While there are research projects in which biological sex and/or gender may not be relevant in terms of the research content, it is well established that integrating the gender dimension in research and innovation helps improve the scientific quality. Not integrating sex and gender analysis into all phases of your project (design, implementation, evaluation and dissemination) and clearly defining this in your funding applications, can lead to not being selected at review and evaluation stage. In fact, considering this element in your research may even highlight some interesting avenues for your research and make your research more applicable to a wider portion of the population and society at large, thus far more impactful.

As a result, policymakers, research organisations, and funders of science have made efforts to increase the participation of women in science teams, leadership roles, and evaluation panels through various policy and application guidelines.

In addition, journals and funders have introduced sex-and-gender aspects of the content of research publications. Researchers should acknowledge that there is much to be gained from viewing your project under a gendered lens, including an increased chance of being published and an edge when applying for research funds. According to Londa Schiebinger (The John L. Hinds Professor of History of Science) "*Beyond boosting your chances of getting a publication, or grant, including sex-and-gender concerns may provide a decisive advantage for early-career scientists by prompting more in-depth, interesting, and socially relevant research questions*". (source: https://www.sciencemag.org/careers/2014/03/adding-sex-and-gender-dimensions-your-research).

EU OBJECTIVES FOR GENDER EQUALITY IN RESEARCH

Three objectives underpin the European Commission's strategy on gender equality in research and innovation policy:

- ***Fostering equality in scientific careers***;
- ***Ensuring gender balance in decision-making processes and bodies***;
- ***Integrating the gender dimension in research and innovation content***, i.e. considering the biological characteristics and the social features of women and men in research design and analysis.

Horizon Europe: The commission has set gender equality as a crosscutting priority and introduced strengthened provisions.

Gender equality plans (GEPs) are part of the eligibility criteria for public bodies, research organisations and higher education establishments applying to the programme.

Since 2022 a GEP is mandatory for beneficiaries. **As such, for consortia-based projects where SETU is the coordinator it should be ascertained that all institutions have a GEP in place**.

Specific funding will be dedicated to gender and intersectional research, developing inclusive gender equality policies in support of the new European Research Area, and empowering women innovators. Gender should also be addressed in the research methodology, not just in management, advertising and recruitment, and communication where applicable.

SETU's Gender Equality Action Plan is available here:
https://www.wit.ie/about_wit/our_community/equality-diversity-inclusion-at-wit/gender-equality-action-plan/

Gender Horizon Europe Guidance:

https://wit.sharepoint.com/:b:/s/researchoffice/EX3DiZM7RoRLs8KcuIIoWMABwXxywetqGNCAQjKX8zF_7w?e=JkksTp

Training PPT for EU project proposals -
https://wit.sharepoint.com/:p:/s/researchoffice/Eak_vOthMIhJlEsnzhTCFEABWIdZGRQ0I1T1PopZSt-lmQ?e=FLp2as

Gender Equality in Academia and Research – GEAR Tool - https://eige.europa.eu/gender-mainstreaming/toolkits/gear

Gender presentations: https://genderaction.eu/trainings/past/

IRISH RESEARCH COUNCIL GENDER STRATEGY & ACTION PLAN

The Irish Research Council (IRC), requires researchers to address sex and gender in their work. They need to see their funded researchers consider whether gender is a variable relevant to their research and, if it is, how they should respond. The IRC gender equality plan was launched in December 2013, see:

- Strategy: http://research.ie/assets/uploads/2013/01/irish_research_council_gender_action_plan_2013_-2020.pdf
- Flyer: http://research.ie/assets/uploads/2018/08/04108-IRC-Gender-flyer-proof03-single.pdf
- Progress Report: http://research.ie/assets/uploads/2016/06/final-_progress_report_on_gender.pdf

Guidance on the Sex-Gender Dimension in Research Content when writing a proposal is available here
https://wit.sharepoint.com/:w:/s/WITStaffHub/ER6cKQDRIllFja-aeCH5JOkB0dHPrafefNunurxbiyb0SQ?e=Iiufc4
This document provides guidance on how to consider GENDER for Research ideas and hypotheses, project design and research methodology, Data collection tools, Data analysis through to the Dissemination (reporting and publishing) and Communication phases.

SO WHERE TO START?

Understanding how gender might be important or considered can be difficult to indicate in the context of your own research study, which is why reading other case studies and asking yourself some questions regarding gender can help (see sections below). According to Londa Schiebinger (The John L. Hinds Professor of History of Science) "Sex-and-gender analysis applies broadly to anything with a **human**

endpoint," This includes many areas in the biological sciences and any area of engineering with a **human user or interface.** Sex is also relevant in animal studies.

The following sections should assist you to identify how Sex/Gender can be considered in your research study. You can also discuss your project with the RSU who can guide you on where gender may be relevant to your study.

USEFUL TOOLS

1. **How do we define Sex and or Gender**
   - Start by learning the definitions. "People often get sex and gender mixed up" and should be careful not to use the terms interchangeably. (The Gendered Innovations website **defines** sex as a biological quality while gender is a socio-cultural process).
   - Podcast from Yellow Window: Watch this podcast to help you to understand the gender dimension in your own research-https://soundcloud.com/user-924482422/understanding-the-role-of-gender-in-eu-funded-research-and-innovation-programmes

2. **Case Studies - Learn from others:**
   - The Gendered Innovations website offers **case studies** ranging from sex differences in stem cell characteristics to assistive technologies for aging men and women. You must consider each stage of your research - this video based on Integrating the Gender Analysis into Research (IGAR) will help to identify how you can transfer into daily practice for both
     a. Gender sensitive approach to your research
     b. Gender quality and equal participation among your research team

Watch Video: GENDER-NET IGAR Video
Toolkit: http://igar-tool.gender-net.eu/en
- Case examples are also available here: http://igar-tool.gender-net.eu/en/examples
- Full list of all resources for incorporating gender into your teaching and research see list on http://igar-tool.gender-net.eu/en/target/grant-applicants

3. **Use some ready-made Checklists:**
   - **Gender in EU-funded Research**," this is a practical toolkit for scientists, including **ready-made checklists** to help researchers make sure that they have asked themselves the right sex- and gender-relevant questions at all stages of planning, research methodology, and dissemination.
   - As scientists, you need to rethink your work under a sex-and-gender-conscious lens.
   - The gender innovations website is a very useful resource http://genderedinnovations.stanford.edu/terms.html which provides state-of-the-art methods that cover all research stages.
   - Full list of all resources for incorporating gender into your teaching and research see list on http://igar-tool.gender-net.eu/en/target/grant-applicants

All resources:
http://www.yellowwindow.be/genderinresearch/

http://genderedinnovations.stanford.edu/terms.html
http://www.yellowwindow.be/genderinresearch/downloads/YW2009_GenderToolKit_CheckList.pdf
http://genderedinnovations.stanford.edu/fix-the-knowledge.html
http://research.ie/sites/default/files/irish_research_council_gender_action_plan_2013_-2020.pdf
https://www.youtube.com/watch?v=i672z34vW6A&feature=youtu.be
http://igar-tool.gender-net.eu/en/references

Interesting Articles/Journals:

Adding Sex-and-Gender Dimensions to Your Research : https://www.sciencemag.org/careers/2014/03/adding-sex-and-gender-dimensions-your-research

Incorporating sex, gender and vulnerable populations in a large multisite health research programme: The Ontario Pharmacy Evidence Network as a case study https://health-policy-systems.biomedcentral.com/articles/10.1186/s12961-017-0182-z

Measuring the data gap: inclusion of sex and gender reporting in diabetes research- https://doaj.org/article/0e823bc01bfe44de8ad944980c1bec46

ATHENA SWAN CHARTER

The Athena SWAN Charter was launched in Ireland in 2015 and is a major national initiative supported by the Higher Education Authority. It was established with the aim to encourage and recognise commitment to advancing the careers of women in higher education and research in the fields of science, technology, engineering, maths and medicine (STEMM) employment. Since its origin the Charter has expanded to recognise work undertaken in arts, humanities, social sciences, business and law (AHSSBL), in professional and support roles, and for trans staff and students. The Charter now recognises work undertaken to address gender equality more broadly, and not just barriers to progression that affect women. The Athena Swan Ireland charter has recently undergone a re-development in line with the findings of a national consultation and offers a framework for progressing equality in higher education and research that is unique to Ireland. The objective of the Athena Swan Ireland 2021 charter framework is to support higher education institutions, academic departments, and professional units in impactful and sustainable gender equality work and to build capacity for evidence-based equality work across the equality grounds enshrined in Irish legislation. SETU has signed up to the Athena Swan Ireland Charter and is currently in the process of preparing its institutional application for an Athena SWAN Legacy Award to recognise gender equality work across the SETU campuses to date. SETU will then apply for a new Institutional Bronze Award in line with the process for merged Technological Universities. In addition, two SETU Departments currently hold Bronze Departmental Awards, the first Departments in the Technological Higher Education sector to do so.

GENDER EQUALITY AND INCLUSIVENESS' AND 'RESEARCH AND SUSTAINABILITY.

HEA Principles of Good Practice in Research within Irish Higher Education Institutions (2022). These revised principles (December 16th 2022) now contain the HEA's nine elements of good research practice for HEIs to incorporate into their specific research environments, updated from the original seven Principles.

The announcement and link to the document are available here.

The revised document takes into account recent changes to the Irish research landscape and includes two new elements; **"Gender Equality and Inclusiveness" and "Research and Sustainability".** All elements have been updated to be in line with current international best practice. The HEA's Annual Governance Statements speak to the implementation of the Principles and monitoring of relevant elements will be required in future.

Information and the link to the document

ETHICS AND ETHICAL STATEMENTS & COMPLIANCE

ETHICS IN RESEARCH/ ETHICAL CONSIDERATIONS FOR YOUR RESEARCH PROPOSAL

Research ethics provide a guideline or set of principles that support researchers in conducting research so that it is done justly and without harming anyone in the process. If the objective of research is to "discover new information or expand and verify existing knowledge" it is important when conducting research involving **people** that this knowledge does not come at the expense of their welfare or rights. It is the duty of the researcher to ensure they are carrying out their research project in line with established ethical standards. Every step of the research project, from formulating your research question to publication, needs to be informed by ethics to ensure integrity of the project.

When preparing a **statement on research ethics** for your funding application you should consider the validity of your research, level of participation and consent required from your target audience, method of sampling, level of confidentiality required and steps to ensure this is achieved.

In addition, you should review and risks or possible harm that may come to the **participants** in your study (**animal/human**) and indicate steps or countermeasures for these identified risks or harms. As there are multiple methods that can be employed, you as the researcher must identify:

i. Which methods most effectively fit the aims of your research?

ii. What are the strengths and restrictions of a particular method?

iii. What are the potential risks when using a particular research method?

The key is to provide clarity to the funding agency and/or the evaluator surrounding your participants and how they will be informed ensuring that that the ethical issues of consent, risk of harm, and confidentiality are clearly defined. In addition, it is important to highlight the benefits of the study to prove that your work is essential and will yield results that contribute to the scientific community. Your research should demonstrate that your approach to research guarantees the quality and integrity of results, that the research will be properly distributed. You should also ensure that you share any actual or potential

conflicts of interest that could affect your work. In addition, in this section of the application you should demonstrate full transparency on your research process.

THE PROCESS FOR ETHICAL APPROVAL AT SETU

Good ethical governance and review of research is a core value and priority at SETU. It is the responsibility of the *The Research Ethics Committee* to scrutinise all research which involves humans and animals to ensure it is compliant with statutory requirements and is conducted to the highest ethical principles which emphasise the rights and welfare of subjects (both people and animals), treating all with dignity and ensuring that those who participate in research, whether subjects, researchers, other stakeholders and/or the institution are not put at risk.

For further information: https://www.wit.ie/research/for_postgrads/research_ethics

All SETU researchers, students and staff have a personal responsibility to be compliant with Ethical requirements in the conduct of their research. All postgraduate students, postdoctoral fellows and academic staff should, in the first instance, refer to Chapter 11 of the PG the HYPERLINK "https://www.wit.ie/images/uploads/Policies_PDF/WIT_Code_of_Conduct_for_the_Responsible_Practice_of_Research.pdf"WIT Code of Conduct for the Responsible Practice of Research- this policy is being developed for SETU.

The researcher should then seek advice from the supervisor and seek approval from the School or Department authorities for their proposed research activities prior to commencing the project. It may be necessary to obtain authorisation from an additional authority such as the HSE, as such careful **advance planning is required**.

Students/Researchers may find it useful to refer to the considerations listed in the WIT Ethical Approval Application Form included as an appendix in the WIT PG Regulations. Available from: https://www.wit.ie/research/for_postgrads/research_ethics#ethics-requirements

Ethics and Research Integrity Training:

Epigeum Research Integrity training is offered to all SETU staff and postgraduate students directly involved in or that support research activities across the University.

Research integrity training is a **mandatory requirement** for external funding applications and when applying for ethical approval and this and the Universal pathway module **must be taken by PhD students**. **Staff conducting research and supervising Postgraduate research students are expected to take this training. Certificates/evidence of training should be retained** as you may be required to submit evidence of your training or that of your research team if requested during an audit or by a funding body.

This training requirement can be met by taking either:

1. An Online Research Integrity Training which takes an estimated 5 hours. There are no credits associated with this course but upon successful completion of the multiple-choice quiz at the end of the course, a certificate will be received. This is recommended for all postgraduate and PhD students, early-career researchers, those with limited research experience of less than 3 years' postgraduate and those who have not conducted any research integrity training in the past.
2. A concise Online Research Integrity Training course (Core modules 1 & 2) available for those with greater than three years' postgraduate research experience, this is suitable for more experienced researchers and PIs. The course takes approximately 1 hr to complete and a certificate will be received upon successful completion of the multiple-choice quiz.

There are also opportunities to take additional short supplementary courses from Epigeum on topics such as **Export controls**.

These Research Integrity training courses provide you with an opportunity to better understand your duties and responsibilities as researchers, identify the challenges you could face in meeting those responsibilities and offer practical advice on how to deal with complex situations.

Additional information on Research Integrity training modules and **registration for Research Integrity training** is accessible at this link:

Research Integrity - Waterford Institute of Technology (wit.ie)

Register for this training here: SETU Epigeum Research Integrity Training Registration (cognitoforms.com)

Recordings of events held by the UK Research Integrity office can be found here:

UKRIO Webinars - YouTube

Epigeum Ethical Research CPD module

The Epigeum Research Skills CPD module is available on Moodle.

The **Ethical Research** online programme prepares Researchers to face the ethical challenges of their research. It provides guidance on how to work ethically in different circumstances, encouraging Researchers to reflect on their assumptions and behaviour. Participants must complete two online modules to gain programme certification including 'Becoming an Ethical Researcher and Research Ethics in Practice'.

Please follow this direct link https://moodle.wit.ie/course/view.php?id=176788 where you can self-enroll on the programme by entering the **enrolment key** witresearch.

This module is part of a three-piece suite of flexible, streamlined, and comprehensive CPD training programmes which will build the knowledge and skills that are essential to becoming a first-class Researcher. Courses in this series include Ethical Research, Enhancing Research Impact and Supervising Doctoral Studies to assist you with your professional training and development. This programme is brought to you by the HRS4R Broaden Your Horizons Researcher Development Programme.

A new document, for the **Framework to Enhance Research Integrity in Research Collaborations**, is designed to help researchers reinforce a culture of responsible conduct of research (research integrity) in their research collaborations so they can, as far as possible, avoid incidences of serious research misconduct and unacceptable research practices occurring during the collaborative work. The IUA and THEA developed this document in the awareness that collaboration is central to research and innovation, and that increasingly, researchers work together and with a wide range of external stakeholders to deliver outcomes that expand the boundaries of human knowledge and have the potential to deliver real benefits for today's rapidly developing society.

A copy of the document can also be accessed online.

DO NO SIGNIFICANT HARM PRINCIPLE

WHAT IS MEANT BY THE DO NO SIGNIFICANT HARM PRINCIPLE IN THE CONTEXT OF HORIZON EUROPE?

The Commission Communication on the European Green Deal introduced green oath to 'do no harm'. The 'Do no Significant Harm' (DNSH) principle has been further specified in the EU Regulation on the establishment of a framework to facilitate sustainable investments, commonly defined as the 'EU Taxonomy Regulation'. Six environmental objectives are listed in Article 9 of the EU Taxonomy and Article 17 specifies what can constitute a 'significant harm' for these objectives: See here https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/programme-guide_horizon_en.pdf under Page 36 of the April 2022 version of the programme guide.

References on the DNSH principle are included in the General Introduction of the Work Programme 2023-2024 of Horizon Europe Pillar II and in Cluster 4 (Digital, Industry and Space), Cluster 5 (Climate, Energy and Mobility), and Cluster 6 (Food, Bioeconomy, Natural Resources, Agriculture and Environment) because of their relevance for environmental outcomes and impacts. The 'Do no harm'-principle (Green Oath) applies to all EU programmes as expressed in the agreement on the Multiannual Financial Framework[1] .To that end, the proposed outcomes of topics in the work programme have been screened for potential detrimental effects on the green transition and on the objectives of the Green Deal related policies. Potential applicants and participants to actions in this programme can also contribute to this aim by reflecting on minimising the direct environmental impacts from their activities in their application form

[1] See further information at: https://ec.europa.eu/info/files/Climate-Mainstreaming-Architecture-2021-2027-Multiannual-Financial-Framework_en

(proposal part B template) e.g. in their choice of methods, the organisation of work notably the related travel, and from future use of the results.

At project level, the reference to the DNSH principle in the Horizon Europe Work Programme is included in the application form (proposal part B template) to offer researchers the possibility to present the credential of their projects in relation to the DNSH principle. However, evaluators will not score applications in relation to their compliance with the DNSH principle unless explicitly stated in the work programme. If applying for MSCA funding the Green charter should also be referred to, where relevant.

This dimension was also included in SFI challenge-based calls and in Enterprise Ireland funding applications. Please consult pages 36 & 37 in the document at the link above to review your proposal in context. A template for SETU can be provided on request.

DISSEMINATION, EXPLOITATION AND COMMUNICATION

RESULTS:

Results mean any tangible or intangible effect of the action, such as data, know-how or information, whatever its form or nature, whether or not it can be protected, as well as any rights attached to it, including intellectual property rights, etc.

Key results are the outputs generated during the project which can be used and create impact, either by the project partners or by other stakeholders

Project results can be reusable and exploitable (e.g., inventions, prototypes, services) as such, or elements (knowledge, technology, processes, networks) that have potential to contribute for further work on research or innovation.

Examples of Project Results:

Policy Makers: Policy Recommendations, Reports, Platforms (Collaboration);
Civic Society, Citizens/ other Professionals: Skills and Knowledge, Educational Materials, Codes of Conduct;
Industry, Innovators: Standards and Pre-standards, Prototypes, Software;
Research Communities: Publications, Data, Research Roadmaps

Guidance from the European Commission on Dissemination and Exploitation

Video on Dissemination and Exploitation: Dissemination & Exploitation in Horizon Europe

- Supported by the European Commission, **Horizon Results Booster services** are delivered to FP7, H2020, and HE projects. The **free-of-charge** services are provided by experts and cover several paths in Dissemination and Exploitation activities, notably Portfolio Dissemination and Exploitation, Business Plan Development, and Go to Market service. A recording of an information session about the services and include testimonials from those who have already benefited from Horizon Results Booster can be accessed at this link:

https://ec.europa.eu/research/participants/docs/h2020-funding-guide/other/event221117.htm

DISSEMINATION

- The public disclosure of the **results** by appropriate means, other than resulting from protecting or exploiting the results, including by scientific publications in any medium etc. This is an essential element of good research practice, a vital part of the project plan/proposal and is characterised by:
- Circulation of knowledge and results to those who can best make use of them
- Enabling the value/impact of results to be potentially wider than the original focus

The Aim: dissemination of the new knowledge /**results g**enerated by the action in any suitable media, enabling the exploitation of the results, typically to **expert audiences**. Note: more information about Open Science and Open Access is provided below.

Methods:

- Publications (Open Access – **Green,** Gold or Diamond), conference presentations, policy briefs etc.
- Other methods according to target groups
- Protection of the intellectual property (IPR)

Timing: whenever appropriate

Target groups: other researchers, professional organisations, policy makers, industry, public sector and other potential users of your results

How to detail the dissemination activities you will use:

- Examples include: conferences, industry events, tradeshows, journal publications, preprints, book chapters, policy briefs, workshops, social media etc.
- Describe who the **relevant** target audiences are.
    - Who will be interested in the results described and why (benefit)
    - For example:
        - Industry examples that could use the results for further development.
        - Research fields (give examples)
        - Expert users (clinicians, companies, services etc)
        - Regulators
        - Types of policy makers that would use the results.
        - Associations who would be interested in the results.
- Do not confuse this with communication to public audiences/non experts
- **Any activities should be included in the Work package table & Gantt chart**
- Summarise each dissemination activity with specific & realistic details, using a table. Example of how to describe a dissemination activity:

Activity	**Target Audience**	**When**	**Where**	**Metrics**
Conference (provide the full name)	List the TA at the conference	Estimated month of project it will take place (M1, M2 etc.)	If known at the time or applicable	Number of attendees etc.

EXPLOITATION:

The use of results in further research and innovation activities, including among other things, commercial exploitation such as developing, creating, manufacturing and marketing a product or process, creating and providing a service, or in standardisation and policy making activities.

- Recognise exploitable results and their stakeholders, identify the value added from their use
- Partners can exploit their results or let them be exploited by interested third parties

Describe the potential exploitation methods of your project results that will be used and the impact of the method on the target user/society/enterprise/industry:

- Further internal research: The results coming out of the project can be applied to further research in the field and beyond.
- Collaborative research: The results can be used for building/contributing to collaborative research projects.
- Product development: Results can be used for developing or contributing to a product, process, technique, design etc.
- Standardisation activities: Results could be used to develop new standardisation activities or contribute to ongoing work.
- Spin-offs: A separate company will could be established as a result of the research results.
- Engagement with communities/end users/policymakers: Describe the activities to ensure that relevant societal actors will benefit from your project. For example, results will be used in policy briefings to impact on policy.

If an exploitation method entails IP/commercial potential:

- Mention who you will seek advice from in your institution on these matters (e.g. Technology Transfer Office).
- Refer to and comply with IP management guidelines e.g. National IP protocol and relevant Horizon Europe (HE) guidelines

COMMUNICATION & PUBLIC ENGAGEMENT

Taking strategic and targeted measures for promoting the action itself and its results to a multitude of audiences, including the media and the public, and possibly engaging in a two-way exchange

- Reach out to society as a whole
- Demonstrate how National/EU funding contributes to tackling societal challenges
- Strategically planned with pertinent messages to appropriate audiences/stakeholders, using the correct medium(s)/channel(s)

The Aim: to communicate to the general public the research, the results and impact to the society; to raise the interest of young people in careers in science

Methods: several events including Researchers Night (MSCA and Citizens under HE), Pint of Science, media, social media, info on career at schools and universities, all relevant methods …

Timing: whenever possible

Target groups: General public, students (school, university), specific target groups according to the topic and area of research- these include patient groups, immigrant groups etc.

Guidance for communication – European projects: https://rea.ec.europa.eu/communicating-about-your-eu-funded-project_en

How to detail the communication methods you will use:

1. Describe the target audiences for communication of project activities:
    - These should be **non-expert audiences:**
        - University Students
        - Primary/ Secondary schools
        - End users (e.g. patients, older adults, young people)
        - Media (editors, journalists etc)
        - Community groups, charities
        - European Researchers' Night attendees & Pint of Science
        - General public
    - What are the key messages you wish to communicate to the different audiences?
    - How does the action's work relate to our everyday lives?
    - Why does the target audience need to know about the action (encourage a career in research, increase the gender balance in certain areas etc.)
2. Describe how you will reach the various audiences through the following communication activities:
    - One-way exchange: An article in a newspaper or on TV or radio, use of social media, writing blogs to publish on host website, Press release, Brochures about your project, E-newsletters: Multimedia releases (video clip via YouTube explaining your work)
    - Two-Way exchange: Open Door communication: Students/public visit your institution/lab etc. to discuss project activities, Visit schools, universities, community organisations to promote your research, Public/societal engagement events (European Researchers' Night Event, Pint of Science etc.)
3. **Any activities should be included in the Work package table & Gantt chart**

Summarise each Communication activity with specific & realistic details, using a table.

Example of how to describe a communication activity:

Communication activity	**When and where**	**Target audience**	**Main activities**	**Expected impact (metrics)**
EXAMPLE1: Set up and management of project twitter/X account	Online activity. Set up on month 1. Weekly update.	Researchers (in all field) & Population at large	Posting regular updates on: - My project - My research area	200 followers 300+ views per post
EXAMPLE2: Presentation to local secondary school	Waterford/ Carlow/Wexford area/month 18	-Secondary school students -Their teachers	-Presenting my research project (adapting my terminology) -Talking about research career and opportunities	50 students 4 teachers

OPEN ACCESS & OPEN RESEARCH

Open research holds that it is the movement to make scientific research (including publications, data, physical samples, and software) and its dissemination accessible to all levels of an inquiring society, amateur or professional[2].

Open Access refers to online, free of cost access to peer reviewed scientific content with limited copyright and licensing restrictions (ref: https://www.fosteropenscience.eu/foster-taxonomy/open-access-definition[3]) The FOSTER portal is an e-learning platform that brings together the best training resources addressed to those who need to know more about **Open research.** Details and definitions for all aspects of Open Access and Open Science can be found at https://www.fosteropenscience.eu/foster-taxonomy/open-access-definition. Please feel free to contact the SETU library for assistance regarding publications.

SETU is part of the Irish Research Electronic Library (IReL) – a collaborative effort among Irish Research Libraries dedicated to providing access to licensed e-resources and facilitating open access publishing agreements. This grants us access to a wealth of quality peer-reviewed online research publications, including journals, eBooks, databases, abstracting services, and other materials. As a result, we have been able to extend our existing online collections to include 8 databases, each boasting new or enhanced content. **A list of the journals can be accessed at this link**: https://library.wit.ie/IREL_Journals/

Furthermore, most of these new databases are made accessible to us under transformative read and publish agreements. Initially, we had such an agreement solely with Elsevier, but this arrangement has been extended to include a number of other significant publishers. What this means is that **corresponding authors** can get an APC, or Article Processing Charge, waived, if they wish to publish in one of the journal titles under this agreement. The APC is a fee that is often charged by publishers to authors in order to make their work available open access upon publication. **Should you require further details regarding APCs please contact Terry O'Brien or David Kane at the library**.

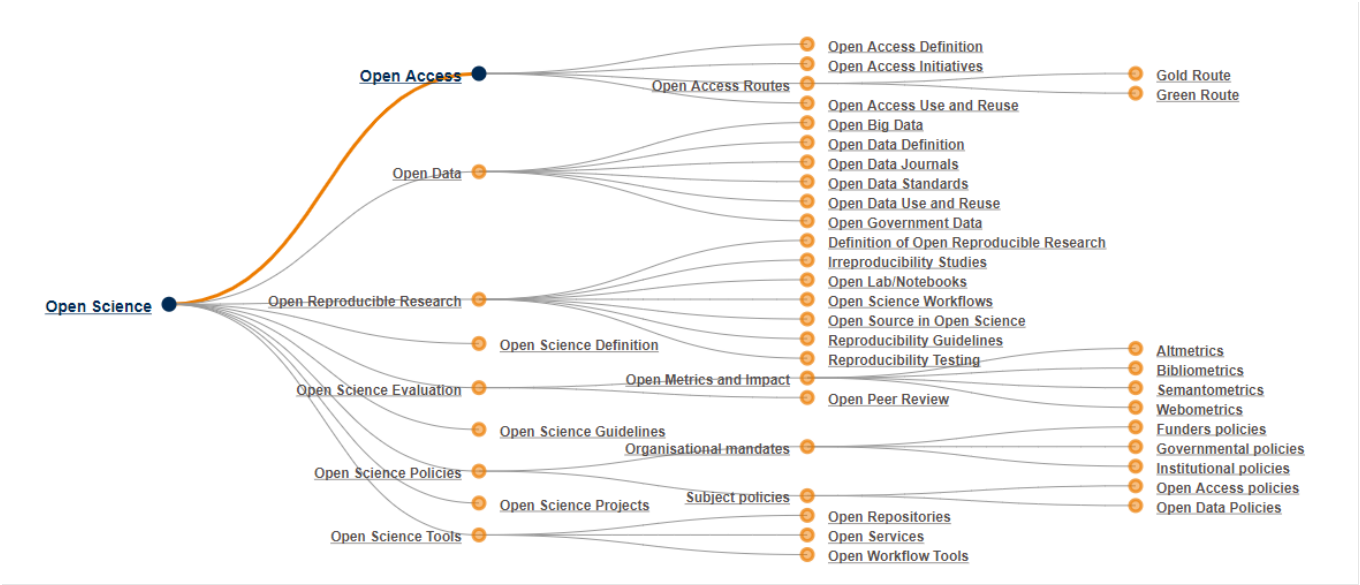
Key contacts:

Mr. David Kane David.Kane@setu.ie

SETU Waterford Publication Repository (for publications) - https://repository.wit.ie/

[2] Ref: https://en.wikipedia.org/wiki/Open_science#:~:text=From%20Wikipedia%2C%20the%20free%20encyclopedia,inquiring%20society%2C%20amateur%20or%20professional.

[3] **FOSTER Plus (Fostering the practical implementation of Open Science in Horizon 2020 and beyond) is a 2-year, EU-funded project, carried out by 11 partners across 6 countries.**



OPEN RESEARCH PRACTICES

- **early and open sharing** of research (for example through preregistration, registered reports, pre-prints, or crowd-sourcing)
- **research output management** including research data management (See Section 5 below)
- measures to ensure **reproducibility** of research outputs
- providing **open access** to research outputs (e.g. publications, data, software, models, algorithms, and workflows) through deposition in trusted repositories
- participation in **open peer-review**
- **involving all relevant knowledge actors** including citizens, civil society and end users in the co-creation of R&I agendas and contents (such as citizen science). This is in line with collaborative knowledge creation and various policies including Impact 2030.

HOW TO ADDRESS OPEN ACCESS IN YOUR PROPOSAL:

Offer specific information on how you will meet the open access requirements, that is deposition and immediate open access to publications and open access to data (the latter with some exceptions and within the deadlines set in the DMP) through a trusted repository, and under open licenses. You may elaborate on the (subscription-based or open access) publishing venues that you will use. You may also elaborate on the trusted repository/repositories through which open access to publications and research data will be provided. Open access to research data and other research outputs should be addressed in the section on research data management of your proposal. Research data should be open as a default, unless there are legitimate reasons for keeping them closed. Funding agency guidelines should be consulted for open access to data and the legitimate reasons for restricting access.

As a general rule, open access to other research outputs such as software, models, algorithms, workflows, protocols, simulations, electronic notebooks and others is not required but strongly

recommended. Access to 'physical' results such as cell lines, biospecimens, compounds, materials, etc. is also strongly encouraged, if appropriately authorised and possible.

Key resources:

- National Principles for Open Access Policy Statement, Ireland (2012)

The principles driving the Open Access Policy statement are that the outputs from publicly-funded research should be publicly available to researchers and to potential users in education, business, charitable and public sectors, and to the general public. The NORF National Framework (2019) combined the activities of working groups over the previous two years and articulated a coordinated Irish agenda towards an open research environment.

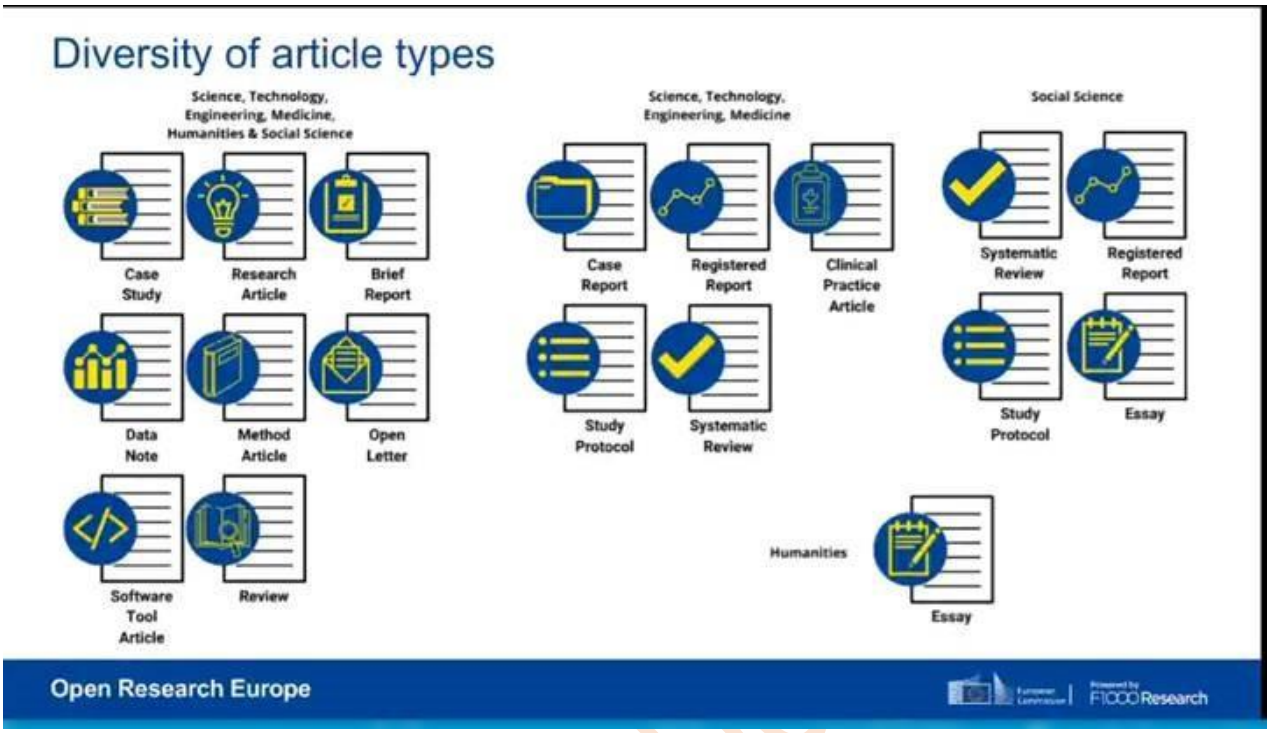
The National Action Plan for Open research 2022-2030 was launched in November 2022 by the National Open Research Forum (NORF) and supports national strategic priorities for research and innovation under Impact 2030: Ireland's Research and Innovation Strategy.

The plan, which **SETU has endorsed**, serves as a roadmap for the implementation of open research across Ireland and is structured according to three broad themes:

- Establishing a culture of open research
- Achieving 100% open access to research publications
- Enabling FAIR (Findable, Accessible, Interoperable, Reusable) research data and other outputs

Open Research Europe

The schema below depicts the diverse types of output that can be published on Open Research Europe, negative data can also be published (see further information below).



Funders' Grant Rules

A number of research funders now have rules in place which make deposit in an open access repository a requirement of any grant. Other funders make a strong recommendation for deposit, or may make additional funds available for publication in an Open Access journal, or in one of the hybrid journals set up by some publishers.

For projects funded under **Horizon Europe immediate full Open access of peer-reviewed publications** in a trustworthy repository is mandatory.

A British-based service called JULIET provides a checklist of funding agencies and their open access requirements for research outputs.

Funders' Open Access Mandates

The following funding agencies have open access requirements pertaining to publications arising from your research and, increasingly, your data:

- Department of Agriculture, Food and the Marine (DAFM) Policy on Open Access
- Environmental Protection Agency (EPA) Research Open Access Policy (2014)
- *Updated Apr 2020* European Commission Guidelines for Open Access for Horizon 2020 projects working on the 2019 coronavirus disease (COVID-19)
- European Commission Guidelines on Open Access to Scientific Publications and Research Data in Horizon 2020
- Science Europe Data Management Guidelines

- European Research Council (ERC) Open Access Guidelines for researchers funded by the ERC
- Health Research Board (HRB) Policy on Open Access
- Irish Research Council (IRC) policy related to open access
- Science Foundation Ireland (SFI) policy related to the open access availability of published research
- SFI Open Access Policy FAQs May 2021
- Wellcome Open Access Policy
- JULIET - Research funders' open access policies
- Negotiating a Licence to Publish with your publisher to retain copyright

Open Data and Open Access Platforms Provided by Funding Agencies

A number of funding agencies now provide platforms for open access publishing of funded research through the Open Research Central platform in collaboration with F1000 including:

- **Open Research Europe**
    - **Fast publication and open peer review at no cost for research across all subject areas funded under Horizon 2020 and Horizon Europe**. Guidance is provided for different research fields as well as information regarding FAIR principles and data formats is also provided. There is the guarantee of **automatic compliance with the open access requirements of Horizon 2020 and Horizon Europe.** Data Guidelines | Open Research Europe (europa.eu) (Note: An **Orcid ID** is required to submit)
    - Open Research Europe YouTube Tutorials
    - AGAPE open science training and MOOC for **Early career researchers**: AGAPE: An introductory course to open science for early career researchers (agape-openscience.github.io)
    - "Open Research Europe (ORE): The Framework, Goals, and Developments" **webinar** hosted by LIBER and ORE on 15.10.21, recording accessible here: Open Research Europe: the framework, the goals, and the developments - YouTube
- HRB Open Research
    - A platform for HRB-funded researchers to publish their research outputs (collaboration with F1000) in an open and accessible way.
- Wellcome Open Research
- Gates Open Research

Other Resources for OA & Open research:

Presentation about Horizon Europe and Open science requirements (November 2023): Horizon Europe Open Science requirements in practice - OpenAIRE webinar (zenodo.org)

European Open Science Cloud and the formation of an open science or research data commons at the regional level is available here: https://www.eosc.eu/

Development and alignment of national policies is available here: https://doi.org/10.5281/zenodo.4005611

Plan S and cOAlition S is available here: https://www.coalition-s.org/UNESCO

Recommendation on Open Science (first draft) is available here: https://unesdoc.unesco.org/ark:/48223/pf0000374409.locale=en

Past Relevant News Article

- https://www.wit.ie/news/other/institutes_open_research_policy_launched_during_open_access_week

Open Science and Intellectual property rights - presents the state of the art and reflections to scope the statement 'as open as possible, as closed as necessary' in the context of an evolving and open Research and Innovation ecosystem.

DORA - WHAT IS IT?

The San Francisco Declaration of Research Assessment (DORA) is a global initiative that aims to reduce dependence on journal-based metrics such as journal impact measures and citations towards a culture where importance is placed on the intrinsic value of research.

The DORA declaration was published in 2012 and targets research funders, publishers, research institutes and researchers. The declaration has already been signed by more than 3,000 organisations and more than 24,000 researchers around the world.

Signing DORA means that organisations must align their practices and procedures with the principles in this Declaration.

In July 2020 WIT signed up to DORA to support the launch of a new Open Research Policy. **SETU became a DORA signatory in May 2022.** The endorsement of the Declaration fits with the values of the WIT HRS4R such as flexibility and diversity, open knowledge and research assessment (https://www.wit.ie/research/our_research/hr_strategy_for_researchers) and emphasizes SETU's support for a research environment where importance is placed on the intrinsic value of research and its impact in society. The Declaration also aligns with SETU's effort in transitioning towards an open research environment. The key aim is to evaluate research and researchers on the merits of their

work, this has been incorporated into the evaluation process for the Research awards and internal scholarships and other funding programmes.

More recently, SETU has signed the **Coalition for Advancing Research Assessment** (CoARA) and the Head of Research Dr Geraldine Canny is a member of the national platform and a European-wide working group, in order to advance this agenda across the university. Further resources will be disseminated when they become available.

Past Relevant News Article

- https://www.wit.ie/news/research/dora-signing-will-see-wit-researchers-exploring-dissemination-avenues

Resources:

SETU Open Research Policy:

https://www.wit.ie/images/uploads/Research_PDF/WIT_Open_Research_Policy_v2.pdf

Altmetric	Discover the attention surrounding your research – Altmetric A single research output may live online in multiple websites and can be talked about across dozens of different platforms. At Altmetric, we work behind the scenes, collecting and collating all of this disparate information to provide you with a single visually engaging and informative view of the online activity surrounding your scholarly content. www.altmetric.com

Useful Presentations on the SETU Research site:

https://www.wit.ie/research/for_researchers/resources-for-researchers/useful-presentations/

Guide to Open research (Gold and Green access)
- https://www.wit.ie/images/uploads/Research_PDF/OpenResearch_-_David_Kane.pdf

Towards a national action plan for Open Research - NORF update, 25 February 2021 https://norf.ie/ - available for SETU employees here: https://wit-my.sharepoint.com/:b:/g/personal/jholohan_wit_ie/Edn65Mti7h5GmfdKU2J5XUIBaDDkifP9nlWaAypsDFb3GA?e=o9z9nO

External Open Access/Open Research Resources

- http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-pilot-guide_en.pdf

- http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-data-mgt_en.pdf

- https://research-and-innovation.ec.europa.eu/strategy/strategy-2020-2024/our-digital-future/open-science_en
- Open Research Europe videos: Open Research Europe - YouTube

- DORA- https://sfdora.org/

- CoARA - https://coara.eu/

- Altmetrics https://www.altmetric.com/

- Plan S- https://www.coalition-s.org/
- https://norf.ie/
    - https://www.slideshare.net/dri_ireland
    - https://norf.ie/index.php/2021/04/19/open-research-in-ireland-open-access/

DATA MANAGEMENT

To assist researchers in better understanding the area of Research Data Management and in meeting the requirements in devising a Data Management Plan (DMP), a Data Management Guidance Document has been developed. This Guide covers the following areas:

- What is Research Data?
- What is a Data Management Plan?
- Why do I need a Data Management Plan?
- What are the benefits of a Data Management Plan?
- What to consider before devising a Data Management Plan
- Ethical Considerations
- GDPR Considerations
- FAIR Data
- Checklists
- Compiling a Data Management Plan
- What to cover in your Data Management Plan
- Making your data FAIR

- Data Management Plan for a Research Grant Application.
- What do Funders expect from the preliminary outline

WHAT IS A DATA MANAGEMENT PLAN?

A Data Management Plan is a formal document that outlines how your data will be looked after both during the lifetime of your research project and beyond. Check the specific timeline requirements with your funding agency. The PI has the overall responsibility to ensure the DMP is created and submitted to the funding agency as required.

What to consider before devising a Data Management Plan: There are numerous questions you must ask before making your plan, questions are listed on page 4 of the DMP Guide. Your plan will cover initiation of the research, mid-term review and final review. Remember your plan, like your research, will evolve and may need amending as the project or your research evolves.

Compiling a Data Management Plan: You can use an online tool such as the DMPonline from the Digital Curation Centre to develop your plan and this tool gives examples of DMPs for a number of disciplines.

Note:

- Remember that DMPs are not just a bureaucratic requirement from funders and HEIs. The consideration of data management requirements at the start and, indeed, during the project ensures research integrity and reproducibility. It increases research efficiency, saving time and effort in the long run.
- Update the DMP regarding how the data is currently being handled; use the future tense only for activities/actions that have not yet commenced.
- View the DMP as a live document and adopt an incremental approach when updating it, e.g. add an 'update' section under each action already described, reflecting on the original or latest version, rather than starting afresh each time.

Other useful links:

Irish Research Council: http://research.ie/assets/uploads/2017/05/Data-Management-Plans-Tips-Advice.pdf

https://www.reading.ac.uk/RES/rdm/planning/res-dmp-grant-application.aspx

FUNDING AGENCY REQUIREMENTS

An increasing number of funding bodies require that their funding recipients create and follow Data Management Plans (DMP). Funding agencies require varying degrees of planning and explanation at the grant application stage. Please refer to your funding agencies specific requirements in relation to data management.

Generally at the proposal stage a short DMP is required covering:

- What standards will be used
- How data will be shared
- How data will be curated and preserved

During the project, generally 3-6 months post award, a full DMP is required. The DMP should be regularly updated over the course of the project.

HORIZON EUROPE REQUIREMENTS

The Horizon Europe Model Grant Agreement requires that a data management plan ('DMP') is established and regularly updated. Use the Horizon Europe template as recommended for Horizon Europe beneficiaries. In completing the sections of the template, the requirements for research data management of Horizon Europe as described in article 17 and analysed in the Annotated Grant Agreement, article 17, must be addressed.

The beneficiaries must manage the digital research data generated in the action ('data') responsibly, in line with the FAIR principles and by taking all of the following actions:

- establish a data management plan ('DMP') (and regularly update it)
- as soon as possible and within the deadlines set out in the DMP, deposit the data in a trusted repository; if required in the call conditions, this repository must be federated in the EOSC in compliance with EOSC requirements
- as soon as possible and within the deadlines set out in the DMP, ensure open access — via the repository — to the deposited data, following the principle 'as open as possible as closed as necessary', unless providing open access would in particular:
    - be against the beneficiary's legitimate interests, including regarding commercial exploitation, or
    - be contrary to any other constraints, in particular the EU competitive interests or the beneficiary's obligations under this Agreement; if open access is not provided (to some or all data), this must be justified in the DMP
- provide information via the repository about any research output or any other tools and instruments needed to re-use or validate the data.

Metadata of deposited data must be open under a Creative Common Public Domain Dedication (CC 0) or equivalent (to the extent legitimate interests or constraints are safeguarded), in line with the FAIR principles (in particular machine-actionable) and provide information at least about the following: datasets (description, date of deposit, author(s), venue and embargo); Horizon Europe or Euratom funding; grant project name, acronym and number; licensing terms; persistent identifiers for the dataset, the authors involved in the action, and, if possible, for their organisations and the grant. Where applicable, the metadata must include persistent identifiers for related publications and other research outputs.

Horizon Europe Data Management Template: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/temp-form/report/data-management-plan-template_he_en.docx or https://www.openaire.eu/images/Guides/HORIZON_EUROPE_Data-Management-Plan-Template.pdf

Horizon Europe Open Science

IMPACT STATEMENTS

Researcher Impact Framework, an example from TCD:
LimaG_BowmanS_ResearcherImpactFramework_Oct2022.pdf (tcd.ie),

SFI Guidance on Research Impact to help prepare Impact statements in funding proposals:

https://www.sfi.ie/funding/award-management/research-impact/

RSU General Guidance on Impact Statements

- Always refer to programme objectives of the call to ensure you are creating impact on all of the key programme objectives.
- Touch on as many indicators and relevant stakeholder audiences as possible – **scientific, economic, social, policy** at both national & EU level.
- **Refer to relevant policies** and UN Sustainable Development Goals
- Be mindful of the timeframe of impacts – short term, medium term and longer term (post completion of the award).
- Tangibilising/ Quantifying impact –using **metrics** (where possible) will add a further dimension to the impact write-up. Articulating your route to impact will add an extra layer of credibility to your impact statement claims.
- Signpost as much as possible to deliverables/research outputs discussed elsewhere in the proposal. Here, you are detailing how those outputs will be exploited.
- Remember there is impact for you (advancing your career), impact for the postgrad student, impact for SETU, impact to your research discipline, impact to your stakeholders (experts, other researchers, policy makers, practitioners, patient groups) and also to the public via public outreach and communication (e.g. schoolchildren).

Ask these questions:

1. Who will benefit from this research and how? **Be specific**.
2. How will you engage with relevant beneficiaries and stakeholders?
3. What plans will you put in place to increase the chances of impact from the proposed research?
4. Over what timeframe might the benefits from your research be realised?
5. How will the impact be demonstrated (what evidence will you collect)?
6. Why should they fund your research over another proposal?
7. What is the potential of the research program proposed?

- Outline your dissemination plans to the various stakeholder communities where you will be creating impact. You might want to exploit: IPR, then dissemination to experts and thirdly, communication to the public, school children etc. Provide metrics. See tables below.
- Outline the target audiences, dissemination media and publicity involved.
- Dissemination to the scientific community might involve: Open access publications, conferences, poster presentations, reports, etc.

- Detail which conferences you wish to present at, and which publications you intend to target (and why). **Be very specific** here.
- Outreach/ communication activities might utilise the press, broadcast media, internet etc.
- Describe, if applicable the approach to be taken regarding any Intellectual property that may arise. The SETU Technology Transfer Office assists with the management/exploitation of any intellectual property arising.

Template Table for Impact Summary

Who will benefit from this research and how?	
How will you engage with relevant beneficiaries and stakeholders?	
Over what timeframe might the benefits from your research be realised?	
How will the impact be demonstrated?	
Are there potential beneficiaries / stakeholders within the public sector, private sector, third-level sector or any others?	
Are there potential international beneficiaries or collaborations with international organisations?	
How will the proposed research impact on the education, training and career of Ireland's students and research team members?	
How will the proposed research impact on society, culture and the quality of life for Ireland's citizens and internationally?	

Template Table for Key Impact Factors

Key Impact Factor	**Route to achieving impact**	**Impact on society/policy etc.**	**Timeliness of impact**
Knowledge generation		Try to give specific	
A tool for *(insert relevant community)*			

Standard Operating Procedure (*SOP*) *for a particular cohort*			

Seminars about Impact organised by UCD:
https://www.ucd.ie/research/portal/impactseminarseries/2023nov21/

CAREER DEVELOPMENT & TRAINING

RESEARCHER CAREER DEVELOPMENT/HR STRATEGY FOR RESEARCHERS (HRS4R)

HR Excellence in Research

WIT was the first Institute of Technology in Ireland to receive the **"HR Excellence in Research" Award** from the European Commission (EC), which recognises institutional practices in place to support researchers' career and professional development in line with the **European Charter for Researchers and The Code of Conduct for the Recruitment of Researchers.** SETU retains this award which was renewed in 2021.

The HR Excellence in Research award acknowledges SETU as a stimulating work environment for researchers, providing attractive working conditions and equipping researchers with the broad skills and experience necessary to develop their research careers. The HR Excellence in Research designation is a clear statement of the institute's commitment to providing the research environment and career development sought by high performing researchers. It underpins our commitment to using research and innovation as a driver for regional social and economic development.

HR EXCELLENCE IN RESEARCH

As part of the **HRS4R Action plan**, there have been several initiatives developed to support researchers in their research journey. The Broaden Your Horizons Researcher Development Programme (BYH) offers a tailored suite of workshops, courses, events and resources, focussing on wider transferable skills, with modules on Knowledge and Expertise; Research Environment; Interpersonal Skills; Personal Skills & Personal Effectiveness and Career Development.

SETU offers many training events to support researchers in their career development from equality and inclusion to Open Access to Managing your funded research project.

A Career Development Plan should be established jointly by the supervisor(s) and the researcher, postdoctoral fellow, PhD student etc. In addition to research or innovation objectives, this plan comprises the researcher's training and career needs, including training on transferable skills, teaching, planning for publications and participation in conferences. This plan should be regularly reviewed.

SETU has the appropriate employee and recruitment policies in place including an **Open, Transparent and Merit-Based Recruitment (OTM-R) Policy** for the Effective Recruitment and Selection of Funded Research Staff at Waterford Institute of Technology."

The Researcher Wellbeing initiative is a commitment to support researcher well-being and positive mental by holding informal social opportunities for researchers provide them with a chance to network

and to share the many potential wellbeing pitfalls of research, swap coping strategies and share information and solutions.

More information on Research recruitment, training and development at SETU

a. Research HR Policy

SETU aims to be an attractive, supportive and stimulating environment in which to carry out research and recognises the importance of providing its researchers with the necessary training and support environment to develop their careers and become more competitive and mobile. In May 2014, WIT received the HR Excellence in Research award from the European Commission in recognition of the Institute's on-going commitment to adopting the 40 principles of the Charter and Code, making WIT the first Institute of Technology in Ireland to receive this designation. This Award was renewed in 2021.

The HR Excellence in Research award recognises the progress that has been made in support of Researchers in the Institute, including the introduction of the Broaden Your Horizons Researcher Development Programme, the Open, Transparent and Merit-Based Recruitment (OTM-R) Practices for the Effective Recruitment and Selection of Funded Research Staff at WIT; the Code of Conduct for Research; the Research Integrity agenda and our on-going commitment to supporting the principles of the European Charter and Code for Researchers. The HR Excellence in Research Award supports our researchers in their proposals to attract international funding and researchers to SETU, and endorses the institution as providing a favourable working environment for researchers, in addition to increasing it's international profile.

For the successful implementation of HRS4Rs the underlying concepts have been embedded into all other relevant Institutional strategies and processes. The HRS4Rs is currently embedded in the policy document on the "Definition and Organisation of Research at WIT- this policy is currently being revised for SETU"; it is also reflected in the "Code of Conduct for the Responsible Practice of Research", the OTM-R policy, and it forms a major crux of both the new and previous Institutional Research Strategy. A dedicated HR Business Partner manages the HRS4R process at SETU and to support the wider Researcher community.

Policy & Procedural Documents:

- HRS4Rs_2_Year_Self_Assessment_Report__WIT-2016 (1)
- WIT_HRS4Rs_Action_Plan-2014

Available to download here:

https://www.wit.ie/research/our_research/hr_strategy_for_researchers

b. Research Recruitment

When recruiting for research posts, the Institute recognises the need to recruit research staff in as expeditious a manner as possible, while adhering to the best practice methods of recruitment and selection, and in compliance with Irish employment legislation (e.g. Employment Equality Acts 1998-

2015). To achieve this there must be fair, robust and efficient recruitment and selection processes, which comply with current legislation and international best practice. All candidates will be treated solely on the basis of their merits, regardless of Gender, Marital Status, Family Status, Sexual Orientation, Religion, Age, Disability, Race (includes race, colour, nationality or ethnic or national origins) and Traveller Community Membership. Candidates make their own selection decision about the Institute as an employer based on how they are treated during the recruitment and selection process. It is therefore essential to ensure that their experience is a positive, open, fair and fully transparent one.

Open, Transparent and Merit-Based Recruitment (OTM-R) is one of the pillars of the European Charter for Researchers and in particular of the Code of Conduct for the Recruitment of Researchers, launched in 2005. OTM-R ensures that the best person for the job is recruited, brings benefits to researchers, institutions and the wider research eco system. More specifically, OTM-R makes research careers more attractive, ensures equal opportunities for all candidates and facilitates mobility. Overall, it will contribute to an increase in the cost-effectiveness of investments in research (EURAXESS, 2019).

In March 2020, an Institutional OTM-R Policy was introduced which applies to anyone involved in the recruitment and selection process of funded research staff. The policy sets out the various steps of the Researcher recruitment process, from advertising to appointment. In line with the HR Excellence in Research Award, this OTM-R Policy aims to build on the principles of the **Code of Conduct** for the Recruitment of Researchers, providing more detailed information on the recruitment and selection process for Researchers at SETU. The overall aim of this policy is to assist the Institution to better implement Open, transparent and merit-based recruitment **(OTM-R)** practices. The focus of this OTM-R Policy is to ensure that SETU always aims to recruit the best person for the job and that all our recruitment procedures are based on principles of equal opportunities for all candidates (both internal and external). SETU has a dedicated Research Recruitment Officer to assist Researchers with the Recruitment and Selection Process and to assist new staff in their integration to the University.

Please visit https://www.wit.ie/about_wit/for_staff/policies.

Policy & Procedural Documents:

Open, Transparent and Merit Based Recruitment (OTMR) Policy - https://www.wit.ie/research/our_research/otmr

***Web based resources*:**

https://www.wit.ie/about_wit/for_staff/recruitment

c. Training and development, performance management of research personnel across all career stages

SETU's **Broaden Your Horizons** Researcher Development Programme is the main programme to support Researchers' Professional Development journey whilst undertaking Research at the institution. The

programme is based on the skills and experience that National and International funders expect Researchers to develop during the course of their research career, the programme is delivered collaboratively by internal and external specialists, offering a tailored suite of workshops, courses, events and resources. The programme complements the technical and discipline-specific training that Researchers receive at a local level, focussing on wider transferable skills. SETU is highly committed to ensuring that all member of our Researcher community, have the opportunity to reach their potential and develop themselves to the highest professional standards, whatever their future career choice.

In developing this programme we consulted with members of our research community, the Human Resource Strategy for Researchers (HRS4R) Operational Committee and the Researcher Staff Forum. The programme content is also informed from Vitae, as well as best practice in Researcher Development Programmes internationally, and the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers.

The Broaden Your Horizons Researcher Development Programme aims to:

- Support all Researchers, at all stages of their careers in their personal, professional and career development.
- Empower Researchers to take responsibility for and be proactive in engaging with their own professional development.
- Promote an awareness of the skills, knowledge and qualities needed to produce both high quality and impactful research, and to be an effective Researcher through provision that is inclusive, flexible and responsive to Researchers' needs.
- Enhance inter-disciplinary collaboration and support.
- Expand SETU's Research Community.

The **Broaden Your Horizons brochure** details the current range of training and supports available to SETU researchers. Researchers will find an overview of courses and events specifically designed for career Researchers. There are four central Skills Development Categories including Research Environment, Career Development, Knowledge & Expertise and Personal Skills & Effectiveness. Each category contains a range of programme topics which will be offered at various times throughout the year. The main mode of delivery is face-to-face through interactive workshops, and where possible, or virtually. The various Professional Development Opportunities offered to SETU researchers over the course of the 2023/24 academic year are detailed in the brochure.

The **ODYSSEY Researcher Mentoring initiative** enables Early Career Researchers (Mentees) to receive encouragement, support, guidance, specific skills and knowledge from more experienced Researchers (Mentors) that will enhance the Mentees career and personal growth during their research journey at SETU. The Initiative aims to pair experienced Researchers with colleagues at an earlier career stage. It is compulsory for new Mentors and Mentees on the ODYSSEY to attend a half-day workshop and information briefing. It is held in house for all new Mentors and Mentees joining the ODYSSEY. The session covers some introductory mentoring concepts, definitions, and takes a look at what 'good mentoring' involves. Through guided practice and reflection the workshop helps participants build skills

that are useful in cultivating and managing successful mentoring relationships. During the workshop, Mentees and Mentors have an opportunity to refine their objectives for the programme, gain an understanding of the types of outcomes that are common and hear each other's perspectives. The session also explains the programme timescales, expected commitment time, confidentiality, evaluation processes, and further mentoring resources that Mentees and Mentors can expect.

Specifically, The ODYSSEY initiative is designed to meet the following three objectives:

1. Share knowledge and expertise.
2. Increase cross-institutional networking and mentoring.
3. Support mentees in taking responsibility for their own skills and long term career development.

Guidance Documents:

ODYSSEY-guide-book ODYSSEY Researcher Mentoring Guidebook

d. Researcher Wellbeing

Researcher wellbeing and Researcher wellness has been a priority of us at the Institute since the introduction of the dedicated HR Business Partner for Research role. We have a range of wellbeing initiatives to help Researchers cope with the highs and lows that everyone experiences doing research. Our wellbeing initiatives are based around: Being Connected, Being Active, Being Present, Being Engaged and Being Kind. We actively encourage Researchers to take time out at regular wellbeing events including Researcher Wellbeing Walks on the local Waterford Greenway, Researcher Games Sports Days, Researcher Bake offs, Researcher Networking Coffee Mornings, Festive Get Togethers, as well as Spring and Summer Socials. We have a dedicated Researcher Wellbeing Twitter account @wellwitresearcher promoting various aspects of researcher wellbeing and sign posting Researchers to other useful wellbeing resources. These regular informal social opportunities for Researchers provide an opportunity to network and to share the many potential wellbeing pitfalls of research, swap coping strategies, share information and connect with the wider Researcher community.

EUROPEAN RESEARCH FUNDING PROJECTS (RECORDS)

If you require a list of previously funded **European projects** from Waterford, please see the https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/horizon-dashboard

https://wit.sharepoint.com/:x:/s/researchoffice/ETEafpDiD15FjoRSB8ugqcQBeNp9Xn0LDP_3cNm2smbRBg?e=OgDJd1

OTHER USEFUL LINKS

1. Research Support Unit - SETU | Manage Project Lifecycle (Waterford Campus)
2. Research Finance - https://www.wit.ie/images/uploads/Research_PDF/ManagingResearchFinances-Feb_2020.pdf
3. Technology Transfer Office-
4. Graduate Studies Office- https://www.wit.ie/research/for_postgrads/contact_research_postgrad_team
5. HR department- https://www.wit.ie/about_wit/for_staff/human-resources
6. Established Research Procedures/guides- https://www.wit.ie/images/uploads/Research_PDF/Research_Procedures_Guide_for_Funded_Research_Projects_at_WIT_December_2021.pdf
7. Data management, GDPR, Data Protection officer- https://www.wit.ie/images/uploads/Research_PDF/WITDataManagementGuidance.pdf

& https://www.wit.ie/about_wit/documents_and_policies/staff_data_protection

8. Research Ethics- SETU | Research Ethics
9. Research Integrity- update link
10. Epigeum training- SETU Epigeum Research Integrity Training Registration (cognitoforms.com)