**Strand I Projects**

| **Acronym** | **Project Title** | **Lead Partners** |
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| AIM4HEALTH | Artificial Intelligence approaches to addressing Mental Health inequalities in Ireland through improved diet and lifestyle: an interdisciplinary North-South investigation of the TUDA cohort integrating nutrition, environmental science and data analytics | TCD / UU |
| BORDEX | The Post-Brexit Security Field on the Island of Ireland: The Role of Civil Society in Everyday Security | TU Dublin / QUB |
| BRAN | "Our roots travel widely": Irish Poetry Beyond Regionalism and Nationalism | MU / QUB |
| CARTLANN | Activism, language and media: using the archival records of Conradh na Gaeilge to track the uneven development of Irish language policy on both sides of the border | NUI Galway / UU |
| CARTREGEN | Modelling and fabrication of microfibre reinforced composite constructs for repair and regeneration of articular cartilage | TCD / QUB |
| CEAB | Critical Epistemologies Across Borders | UCC / UU |
| CO-DECIDE | The all-island CO-DECIDE Study: Co-production of a decision-making framework for planning the place of end-of-life care for children, young people and their families on the island of Ireland | DCU / QUB |
| COSHARE | COSHARE (Consent, Sexual Violence, Harassment, and Equality in Higher Education) | NUIG / UU |
| COVICAT | Covid19 infection and vaccination in pregnancy: An Irish cohort study and European ecological study to assess risks of congenital anomalies | UCC / UU |
| CREDA | Coupling CRISPR-Cas environmental DNA assays with lateral flow for rapid on-site detection of species of conservation management concern on the island of Ireland. | DCU / QUB |
| DCT&GAW | Developing Combined Text & Graphic Alcohol Warnings: a North-South Initiative | TUS / QUB |
| DEFLATE | The Dramatic Effects of FKBPL on Adiposity via Gene Therapy (DEFLATE) | RCSI / QUB |
| DelHPIre | Improving prevention, recognition and management of delirium across the island of Ireland through the co-design of an interdisciplinary digital resource for undergraduate healthcare students: DelHPIre (Delirium Health Professionals Ireland) | UL / QUB |
| DTCyber | Digital Twins in Cyber Physical Security | TUS / QUB |
| ÉIREhemp | ÉIREhemp: An all-island approach to sustainable high-value functional polysaccharides from low-value agricultural hemp waste products. | UCD / QUB |
| ENSPIRED | Enhancing Social Participation across Ireland for people with communication disabilities and differences | UCC / UU |
| EpiHyper | Effects of MTHFR 677 genotype and co-factor riboflavin on phenotypic behaviour and epigenetic profile in isogenic patient-derived induced pluripotent stem cell (iPSC) lines during differentiation to vascular smooth muscle cells (Epihyper) | NUIG / UU |
| ExoBcell | Role of mesenchymal stromal cell extracellular vesicles in limiting B cell hyperactivation and autoimmune disease | NUIG / QUB |
| FCCC-EoLEd | Family-Centred Cancer Care End of Life Education (FCCC-EoLEd): Plan, develop and evaluate a novel evidence-based and theory-driven eLearning resource to equip health and social care professionals to communicate with, and support families with dependent children, when a parent is at end of life from cancer | UCD / UU |
| FINIFOR | A Forested Island: The design and evaluation of an innovative financial instrument to scale investment in an all-Ireland native afforestation programme to enhance ecosystem services and carbon neutrality of the island's agri-food and land use sectors. The current proposal describes options for the design and evaluation of an innovative financial instrument that has the capacity to mobilise private capital to incentivise land-use change on the island of Ireland. This is interdisciplinary research that investigates the financial, technological and policy challenges in implementing a financing instrument that can accelerate native afforestation and ecological restoration on the island. | UL / QUB |
| FoodFraud | A study on the perceived exposure of the food and drink industry to food fraud in Northern Ireland versus the Republic of Ireland. Does BREXIT have any impact? : industry, regulatory and consumer perspectives. | UCD / UU |
| HIGH-GREEN | Highly efficient and sensitive photonic sensors for monitoring greenhouse gases | UCC / QUB |
| IRBORDCUL | Irish Border Culture: Literature, Arts, and Policy - an interdisciplinary enquiry | TCD / QUB |
| I-SWAP | Irish Student Wellbeing and ADHD Project | LyIT / UU |
| IYCF-E-Ire | Developing an Infant and Young Child Feeding in Emergencies Preparedness Plan for the island of Ireland. | TU Dublin / QUB |
| Mechano-MS | Mechanical induction and long-term stability of regulatory T cells in Multiple Sclerosis | NUIG / QUB |
| MES-AIE | Migrant and Employer Strategies post Brexit in an all-island economy | TCD / QUB |
| MISTE | Multilingual Island: Sites of Translation and Encounter | NUIG / QUB |
| NeuVac | NeuVac mRNA based vaccine for children with neuroblastoma | RCSI / QUB |
| OSBMH | Our Shared Built Military Heritage: The online mapping, inventorying and recording of the Army Barracks of Ireland, 1690-1921 | UCD / OU |
| OXI-SMART | Novel and Smart Optical Catheters for the Early Assessment of Hypoxic Tumours in Clinical Oncology | UL / QUB |
| PEPDELIVER | RALA nanocomplexes as a platform to mediate oral delivery of peptides using insulin as a prototype. | UCD / QUB |
| PROFESS 12 | Bridging the Gap - Developing Professional Skills in Engineering Students through an innovative and inclusive Summer School designed to equip students (women and men) with the intercultural skills necessary to meet the SDGs. | TU Dublin / UU |
| PROMARIC | The role of proteases in microbiome diversity and antibiotic resistance in COPD; a new risk factor with a potential novel therapy | RCSI /QUB |
| PROPER | PROfessionalism in Partnership for Education Research (PROPER) Study: a novel online workshop-based learning approach to knowledge acquisition and behavioural development in medical professionalism for medical students with mixed-methods and thematic analysis. | RCSI / QUB |
| RadCOL | Development and validation of a CT-based radiomics signature for early detection of colorectal cancer liver metastasis and post-treatment disease recurrence. | RCSI / QUB |
| ReproCit | Reproductive Citizenship: Comparative analysis of effects of differential pathways to legalising abortion on Island of Ireland on Service User Articulations of Citizenship | TCD / UU |
| RID Injury | Understanding Risk and IDentification of musculoskeletal injury in adolescent team sports | UCD / UU |
| SE | Understanding the Social Entrepreneurship Ecosystem on the Island of Ireland - Lessons for Education, Practice and Policy. | LyIT / UU |
| SeeDeepER | StereoEEG depth electrode sourced RNA and epigenetic landscape of epileptiform activity in the human brain (SeeDeepER) | RCSI / QUB |
| Snapshot | Target engagement assays- a radical approach to capture a snapshot of probe-enzyme binding | TCD / QUB |
| SPECTATOR | Sustainable, Integrated, Optimised Electrification and Automation of Transportation Networks | TCD / QUB |
| SUGARCOAT | Smart carbohydrate-based materials for medical device coatings: to protect from and detect hospital acquired bacterial infections | NUIG / QUB |
| Talk4Peace | Transformative mediation as a mechanism for inclusive dialogue and peacebuilding on the island of Ireland. | UCD / QUB |
| TJHIA | Transforming Justice: An All-Island Examination of Justice Responses to Historical Institutional Abuse North and South | UCD / QUB |
| TOGETHER | Collaborating across prison walls and borders: researching the impacts of prison-university partnerships north and south to co-create with incarcerated and university students an all-island curriculum that builds empathy and mutual understanding between diverse communities | UCC / QUB |
| TRACER | TaRgeted gold (Au) nanocomposites as Cancer radiosensitisERs | UCD / QUB |
| Ultonia | Cultural Dynamics in medieval Ulster and beyond; a shared inheritance | UCC / UU |
| VirtuGraze | The role of virtual fencing in sustainable grazing management | UCD / QUB |
| VitDOC | The Vitamin D Receptor in Oesophageal Adenocarcinoma | UCC / QUB |
| Vit-TB | Characterizing the role of vitamin D insufficiency on host immunity and recurrence of bovine tuberculosis on problem farms | UCD / QUB |
| WoBLa | Women of the Borderlands: A Walking Biographical Study of Women's Everyday Life on the UK/Irish Border | UCC / UU |
| WoundActiv | Bioactive scaffolds functionalised for the delivery of genetic cargoes for the healing of complex wounds | RCSI / QUB |
| YouGaMSI | Fair Play? Assessing the exposure of young people to gambling marketing through sport on the island of Ireland. | MU / UU |
| YouthDance | Youth Dance Matters: an interdisciplinary, mixed-methods project combining dance and social science research in a cross-border investigation of the shared value and capacity of youth dance on the island of Ireland. | UCD /QUB |

**Strand II Projects**

| **Acronym** | **Project Title** | **Lead Partners** |
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| AICEEHP | All-Ireland Centre of Excellence in Economics, History and Policy. | TCD / QUB |
| AVACTA | AVACTA: All-island Vaccine Research and Training Alliance. | UCD / QUB |
| CLuB | The All-Ireland Cancer Liquid Biopsies Consortium. | TCD / QUB |
| eHealthHub | eHealth-Hub: All Island Research Hub for Federated Analysis of Cancer Data. | UL / QUB |
| SLSSHub | Stable Lives Safer Streets: A north-south hub of scientific excellence to serve intergovernmental and statutory frameworks in the policy area of Youth Crime. | UL / QUB |

**Strand III Projects**

| **Acronym** | **Project Title** | **Lead Partners** |
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| AICRIstart | A Foundation Stone for the All-Island Cancer Research Institute (AICRI): Building Critical Mass in Precision Cancer Medicine. | UCD / QUB |
| Atlantic | The Atlantic Innovation Corridor: Social Capital and Co-Ordinating Capacity in a Multi-City, Distributed Conurbation Border Region. | NUI Galway / UU |