SFI Discover Programme 2016 Funded Projects

Organisation	Project Title	Website	Project Summary	Target Region	SFI Contribution
British Council Ireland	FameLab Ireland 2017	http://www.britishcouncil.ie/famelab	FameLab is the world's leading competition to discover the best new voices in science and to equip them with the skills and confidence required to effectively engage and inspire audiences about STEM now and in the future. Since 2005, FameLab has successfully identified, trained and mentored over 9000 communicators from 35+ countries and has supported them in breaking down barriers that may exist between science and society.	National	€49,300
National University of Ireland, Galway (NUIG)	ReelLIFE SCIENCE Video Competition	https://reellifescience.com/	ReelLIFE SCIENCE is a nationwide science outreach and communication project, which, since launching in 2013, has enabled thousands of Irish primary and secondary school students to engage with science in a novel way. Students and teachers are invited to research a scientific topic (e.g. 'The Power of Science' 'Science Heroes', 'Stem Cells', 'Science in Space') and produce a short entertaining and educational video to communicate it to the general public. The videos are screened at the Galway Science & Technology Festival and are available online on www.reallifescience.com.	National	€8,500
Royal Society of Chemistry	Expansion of Spectroscopy in a Suitcase (SIAS)	http://www.rsc.org/campaigning-outreach/outreach/educators/#sias	Spectroscopy in a Suitcase (SIAS) is a Royal Society of Chemistry outreach initiative which brings portable spectrometers in to the classroom. The free practical workshop focuses on the application of spectroscopy in a forensic investigation of a 'crime scene'. Workshops are delivered by university staff and students (SIAS Ambassadors) based at our SIAS host institutions, of which there are six in Ireland. Each host has access to portable IR and UV-Vis spectrometers which are powerful instruments commonly used in analytical chemistry laboratories for a variety of applications around the world.	National	€50,000
University College Cork (UCC)	The IMT National Integration of Mathematics Outreach		This project from the Irish Mathematical Trust proposes to roll out nationally two mathematics outreach activities - Maths Circles and Junior Maths Enrichment - following their proven success in the Cork region. The Irish Mathematical Trust (IMT) motivates young students and creates role models, in equal measure among girls and boys, by a series of activities leading to successful participation in events like the International Mathematical Olympiad and the European Girls Mathematical Olympiad. The project will work towards increasing the general public's engagement with STEM via a weekly feature hosted by the online news publisher Silicon Republic,	National	€50,000

			and via a series entitled Mathematicians in our Lives, building on the successful Boole2School initiative.		
National University of Ireland, Maynooth (NUIM)	Dublin Maker 2017	http://www.dublinmaker.ie/	Dublin Maker 2017 will be the sixth annual independent national showcase of the Maker movement in Ireland. It takes the form of a tented festival format held in a public park in Dublin on Saturday the 22nd July 2017. It is a free-to-attend, family-friendly, independent, community-driven event targeting the general public. Dublin Maker takes the form of a "show and tell" experience where STEM inventors/makers, sourced through an open call, have an opportunity to showcase their creations at individual booths in a carnival atmosphere. It is a showcase of invention, creativity and resourcefulness, and a celebration of the maker movement. It's a place where people show what they are making, and share what they are learning.	Dublin	€50,000
National College of Ireland (NCI)	ELI Afterschool Coding Club		The ELI Afterschool Coding club will be a collaboration between National College of Ireland's School of Computing, IT services, and ELI (Early Learning Initiative). Twenty 10-12 year olds from the local area will be invited to attend for a period of 10 weeks with a different set each term for two terms. We will have a selection process in place to determine availability which will most likely be a referral process into the Club so we know each child has the same level of knowledge e.g. no device at home and/or no computer access, or limited knowledge of Scratch. The programme will target boys, girls and migrant minority groups attending local DEIS schools	Dublin	€22,450
Tyndall National Institute (TNI)	Tyndall MakerDojo 2017	http://www.makerdojo.ie/	The Tyndall MakerDojo is a hardware or 'hacker' style club for the public where science and technology can be explored in a hands-on, self-directed fashion. MakerDojo workshops are free, registration-only events that bring members of the public into the institute, allow them to meet our research staff and students (who facilitate the workshops) and give them direct experience of STEM research and its use in their daily lives. Making and doing are at the core of all MakerDojo activities.	Cork	€49,917
Cosmos Education Ltd T/A Blackrock Castle Observatory	A Hand in Space- the masses behind human space exploration	http://www.bco.ie/	'A Hand in Space' is a theatre project, led by Dr. Niamh Shaw, artist in residence at Blackrock Castle Observatory, to capture the story of the massive human effort behind space exploration, the multicultural, multi-lingual and multi-disciplinary global collaboration of space exploration and the sheer determination and collective will to successfully launch an astronaut in to space. The show, once developed, will have seven performances at Cork's Granary theatre.	Cork	€49,338

Learning Hub Limerick Ltd	Science Hub at Learning Hub Limerick	http://www.learninghub.ie/science-at-the-hub/	The main goal of the Science Hub project is to promote engagement in STEM education both in and outside of the classroom. We offer a range of workshops designed to complement the Primary Science Curriculum, which allow children (ages 8 – 13) to explore STEM subjects in an informal, exciting learning environment. These workshops also provide STEM education support to primary school teachers who often feel hesitant when it comes to running meaningful STEM activities in the classroom due to lack of subject knowledge. Teachers can use the Science Hub as a resource in their own teaching. For younger pupils (ages 5–10) we offer Science "Magic" Shows. Through interaction with our third level student volunteers as well as through Regeneron our new industry partners, the pupils gain an insight into the careers studying STEM can offer them in the future. For older groups (18+) we run a Science Fiction Movie night. We show a film once a month and invite guest speakers from local HEIs and industry to lead a discussion after each show.	Limerick, Clare	€25,000
Stop.watch Television Ltd	INSIDERS 2, Children's TV Science Series for Broadcaster RTÉ		INSIDERS, a TV series aimed at 7-11 year olds to be broadcast by RTE. INSIDERS takes an entertaining yet educational look at the science, engineering and technology behind the events and places loved by kids. From a big match to a theme park, from an animation studio to a concert, INSIDERS gives its audience an access-all-areas pass, tapping into their innate curiosity and thirst for knowledge along the way.	Broadcast	€243,850
Dublin City University (DCU)	Improving Gender Balance, Ireland		The uptake of physics by girls in Ireland remains stubbornly low at school level with only about 25% of the Leaving Certificate cohort being female. This imbalance continues through all levels of study and into the wider workplace, representing a significant loss of science capital to the country and, on an individual level, indicating that many women are not fulfilling their potential in this area. The aim of this proposal is to extend the Improving Gender Balance project, originally run by the IOP in the UK in 2014, to Ireland. Initially regional in nature, working with six schools in the Dublin area, the project will create a framework for encouraging girls to study physics/ STEM subjects, which can be replicated throughout Ireland.	Dublin, Kildare	€170,000

The Cork Electronics Industry Association (CEIA)	EDU-STEM	http://www.ceia.ie/	The Cork Electronics Industry Association (CEIA) is a not-for-profit industry association, which promotes and supports STEM education to enable access to STEM career pathways. We encourage young people to be excited by the potential career paths available to them both here and abroad through the pursuit of a STEM education. The project is a programme of STEM supports aimed at encouraging students to pursue STEM related career options, particularly technical/ engineering activities. The programme will include a range of activities both within and outside the classroom setting throughout 2017.	Cork	€50,000
Trinity College Dublin (TCD)	Engaging Irish Society with National Citizen Science Questions		This project, which will be led by Trinity College Dublin and the Irish Times, will increase the general public's engagement with STEM and its importance in society by posing a series of national citizen science questions that will be answered through the contributions of the Irish public. Five national citizen science questions will be developed and each will be promoted from March - September 2017. The project will aim to directly engage 10,000 Irish citizens per questions (50,000 total). The announcement of the project findings will coincide with Science Week in November 2017.	National	€50,000
Trinity College Dublin (TCD)	CREATIVE COLLISIONS - a strategic partnership with SFI and SGD	https://dublin.sciencegallery.com/	COLLAPSE: There is a pop-culture obsession with the end of the world. From zombie films, to sci-fi television shows, in media and myth, the apocalypse is always around the corner. COLLAPSE will explore how we can harness the universal narrative of destruction (from prehistoric flood myths to contemporary Artificial Intelligence films) and collide it with the frontiers of science research to cultivate a dynamic dialogue between the public and policy makers, between parents and scientists, between students and engineers, and between artists and researchers. As opposed to delivering a dystopic view of our future, COLLAPSE will turn misconceptions and tropes on their heads and investigate the opportunities and routes of mitigation ahead. Through partnerships with SFI research centres and leading researchers throughout Ireland, Creative Collisions will provide unique opportunities for audiences to directly connect and participate in ground-breaking Irish research. INCUBATION, EDUCATION AND PUBLIC ENGAGEMENT: These strands will enable the delivery of a variety of formats and styles of engagement at different points in the evolution of COLLAPSE, ensuring that a structured and impactful approach is taken at all points of interaction with a variety of audiences and stakeholders. While discrete these strands are also connected and	Dublin	€218,000

			serve to ensure a focus of approach and technique at different points of programme development and public dialogue.		
The Festival of Curiosity Ltd	Curiosity Studio 2017	http://festivalofcuriosity.ie/	The Festival of Curiosity proposes a year-round complementary project to The Festival of Curiosity called The Curiosity Studio with an aim to showcase Irish scientific excellence nationally and internationally and position Ireland as a world leader in the meaningful design and delivery of multi-disciplinary public engagement projects in science and the arts on a global scale. The Festival itself has developed an ambitious second Business Plan which has identified a need for capacity building and support in the STEM communications community in Ireland. The Curiosity Studio will involve international designers and speakers visiting the Studio to deliver masterclasses for Irish science communicators. We aim to directly upskill and work with 100 STEM professionals and indirectly impact the lives of 2,000 people through the Studio in 2017.	National	€50,000
The Festival of Curiosity Ltd	CURIOUS FASHION / FUTURE FASHION 2017	http://festivalofcuriosity.ie/	Created through an international partnership with MakeFashion Canada, The Curiosity Studio Dublin and The Festival of Curiosity Dublin, FUTURE FASHION is a year-long capacity building project that will culminate in a ground-breaking runway spectacle fusing fashion, science, technology, performance and light. Future Fashion will have as a core objective to increase the engagement of women in STEM through the workshops at the Curiosity Studio and the Future Fashion Gala.	Dublin	€50,000
ECDL Ireland Ltd T/A ICS Skills	Tech Week	https://www.techweek.ie/	Tech Week is Ireland's national festival of Technology, the most recently established of national STEM festivals in Ireland. Tech Week is an initiative of the Irish Computer Society, the national body representing IT professionals in Ireland, and its charitable arm, ICS Skills. The initiative is aimed at all members of society; students, parents, teachers and the general public. The aim of Tech Week is to increase awareness of, and engagement in, STEM (Technology aspect), supporting SFI's strategic goal to have "the most engaged and scientifically informed public". Tech Week aims to: • Inspire young people to consider STEM subjects and careers • Create awareness of the impact Technology has on everyday life Tech Week will take place on 23rd – 29th April, 2017 and 22nd – 28th April, 2018.	National	€75,000

National University of Ireland, Galway (NUIG)	Cell EXPLORERS -national expansion for a sustainable public engagement model	http://www.cellexplorers.com/	This project proposes to scale up the Cell EXPLORERS programme nationwide using the learning gained from the previous phase of the programme's expansion. The Cell EXPLORERS programme is a science education and outreach programme that aims to inform, inspire and involve the general public in science, technology and local research by connecting primary, second level, third and fourth level students, lecturers, researchers and the general public. The programme uses hands-on activities and local scientists to engage a range of public in the importance of science in society with a diverse set of activities including school visits and science festival workshops. This phase of the project is to scale up from 5 to 10 nodes of activity.	National	€181,332
Waterford Institute of Technology (WIT)	CALMAST STEM Outreach Hub for Southeast of Ireland	http://www.calmast.ie/	Calmast is the STEM Outreach Hub of Waterford Institute of Technology (WIT). It was established in 2003 and has organised hundreds of events and gained national and international recognition. This project has two parts: 1) to deliver STEM to large numbers in the Southeast through a Festivals Programme (Bealtaine, Robert Boyle Summer School and Spraoi) 2) to create a sustained engagement with key SEED targets through a programme called STEMreach. This programme will be scalable and elements will be transferrable.	South East	€50,000
Limerick Institute of Technology (LIT)	STEM in Sport		The STEM in Sport project aims to develop a Continuous Professional Development programme in STEM concepts through sport which can be taken by teachers at post primary level. The STEM in Sport programme aims to engage individuals from socially disadvantaged areas at a critical stage of their lives with STEM subjects through the medium of sport. Sport is a medium many young people can relate to and enjoy. The programme consists of 12 weeks of 4 hour long classes involving physical activity, sporting examples and hands on inquiry based learning to spark interest in real life application of STEM knowledge. This engagement may lead them to a better understanding of STEM in their lives and improved engagement with STEM subjects as they enter the leaving certificate cycle.	Limerick	€34,294

FabLab Foundation Ireland	Fab Foundation Ireland All island network for STEM awareness programme	http://www.fabfoundationireland.org/	Fab Foundation Ireland is a network of Fab Labs dedicated to the promotion of STEM / STEAM awareness, engagement and action in local communities. The partnership consists of 12 partner organisations. Over a period of two years, almost 7,000 individuals across the island of Ireland will be engaged in digital making activities that will provide inspiration within their local communities to engage with STEM / STEAM. The project will be delivered in partnership with other digital maker initiatives (e.g. Maker Space, Hackathon, CoderDojo, Tech Space).	National	€100,000
Gallomanor Communications	I'm a Scientist/Engineer, Get me out of here!	http://imascientist.ie/	This project is an online STEM education activity where school students all over Ireland get to meet and interact with scientists and engineers. It involves online events in the style of X-factor where school students act as judges, while researchers discuss their work. Students challenge the scientists and engineers over fast-paced online live chats. They then vote for their favourite to win a prize of €500 to fund further public engagement.	National	€25,722
National University of Ireland, Galway (NUIG)	Genetic testing: engaging the West of Ireland		Significant advances have been made in the area of genetics in recent years with significantly increasing availability of genetic testing opportunities for patients and consumers both within and outside health care contexts. However, public perception of genetics in general and genetic testing is often characterised by misunderstandings or suspicion, especially among population groups that are less engaged with science. This project aims to address this knowledge shortfall among the general population, with a focus on the West of Ireland. It takes a three-pronged approach by providing different engagement opportunities with genetic testing: (i) an award-winning, already established travelling exhibition on genetics and ethics that employs cartoons as medium of engagement, (ii) a "Gene Test Shop" exhibit, targeted at a general audience to illustrate the different kinds of genetic tests available and what they can and cannot deliver, and (iii) engagement specifically with women through the provision of workshops on the topic of genetic testing in and around pregnancy. The exhibition will be accessible to the public and open for guided school visits in locations in six counties in the West of Ireland. It will be widely advertised to the general public and to local secondary schools. The women's workshops are tailored specifically to engagement with adult women who will be recruited through local advertising and social media. The exhibition and workshops will be documented by video and photography, with the aim of creating documentation materials that will be made publicly available online and as part of a final exhibition.	Western Counties	€48,751

Trinity College Dublin (TCD)	CodePlus Mentoring: Coding Better Futures for Girls		This project aims to exploit the network and expertise of The Bridge21 project in Trinity College Dublin, which focuses on developing skills of students and teachers in the area of technology-mediated, 21st century teaching and learning, in order to promote awareness and interest in computer science in the female secondary school cohorts through a series of related activities. Since 2007 the project has worked with over 12,000 students and 1,500 teachers. Building on Science Foundation Ireland's successful model of engagement with the Smart Futures initiative, this project will apply a similar methodology with a focus on female participation in computing. Starting with Bridge21's existing network in the IT sector, female volunteer mentors will be recruited and will engage in a range of activities aimed at the target audience. The activities will leverage off, and build upon, a number of existing activities being carried out by the Bridge21 team in the area of collaborative, technology-mediated, 21st century teaching and learning. Amplifier activities will be layered on top of the existing initiatives, in coordination with networks of collaborating schools and IT industry partners, with a view to addressing some of the known impediments to female students pursuing computer science courses at third level.	Dublin	€50,000
Institute of Technology, Tallaght (ITT)	Fiosracht		Fiosracht (Curiosity in Irish) is a child-centred, family-focused STEM engagement programme designed to foster curiosity, creativity and confidence by applying the principles of Design Thinking. It is a partnership between Institute of Technology Tallaght which is located in Dublin, Foroige (the national body for youth development) and South Dublin County Libraries. This project will start as a feasibility study; partners will run a number of engagement activities together and further partnerships to enhance the adoption of STEM subjects and careers in Ireland.	Dublin	€49,211
The National Concert Hall	Music and Science: Quadratics to Quavers	https://www.nch.ie/Online/Music-Science-Programme	Quadratics to Quavers is a series of workshops highlighting the overlap between music, maths and physics. Aimed at primary school groups, in 2017 it will focus on students from DEIS (Delivering Equality of Opportunity in Schools) schools, responding to the lack of STEM engagement typical of socially, economically and educationally disadvantaged groups. This proposal builds on the successful model employed in 2016, with significant developments made with regard to project curriculum and delivery. Programme activities include pre-workshops, National Concert Hall workshops and post-workshops (co-evaluation/reflection) to include topics like "The Anatomy of Sound," "Tune in" and "Experimental Instruments."	Dublin	€28,600

University College Dublin (UCD)	Maths Sparks: Developing Mathematical Thinking through Problem Solving Workshops	https://www.ucd.ie/mathstat/mathsparks/	Maths Sparks is a series of five problem-solving mathematics workshops aimed at pupils from schools in designated lower socio-economic areas, who are less likely to study higher level Mathematics in the Leaving Certificate. The workshops will be designed and presented by undergraduate STEM students under the guidance of academics in the University College Dublin School of Mathematics and Statistics.	Dublin	€6,773
Learn It Educational Solutions Ltd	FIRST® LEGO® League Leinster & Munster		This project entitled FIRST LEGO League is a science and technology challenge for teams of students to encourage and test real issues and develop key STEM skills. The students will work together to explore a given topic and design, build and programme an autonomous LEGO robot to solve a series of challenges. In 2016, over 233,000 students across 29,000 teams from 80 countries took part in over 1,350 events worldwide. The project is aimed at students aged 9 - 16 years, working in teams of up to ten with a supporting adult coach, and will cover locations around the Leinster and Munster.	Leinster and Munster	€50,000
Dublin City University (DCU)	Physics Busking	http://physicsbusking.ie/	Physics Busking is a STEM education initiative that supports science teachers and researchers (Buskers) to increase the general public's engagement in STEM. Physics Busking collaborates with leading national festival and event organisers to provide opportunities for the general public to have direct interaction with Physics Buskers to personally experience STEM concepts through demonstrations and hands-on activities. This project presents a year-long calendar of events, at a variety of national locations across various venues e.g. shopping streets, libraries, gardens and fields.	National	€41,400
National University of Ireland Galway (NUIG)	Bright Club		Bright Club is a variety night where researchers give comedic talks about their work to a public audience. Its primary goal is increasing public engagement with research, particularly STEM topics (which have in the pilot program comprised 70% of academic speaker topics). The use of humour helps audiences engage with difficult topics. The speakers are trained by a professional comedian, which brings in a broader audience than the standard outreach events. Speakers are encouraged to discuss their research, tell the stories of how they became researchers, and talk about what their work means to them, all of which encourages STEM literacy and STEM career paths.	Dublin, Galway	€19,450

iWish STEM	I Wish - inspiring women in Stem	http://www.iwish.ie/	"I Wish" promotes STEM further education and career options to career guidance counsellors, teachers, parents and students by introducing female students, teachers and parents to a wide variety of (local and international) employers and female role models already forging a career path in STEM. In 2017 the iWish event will be held in Cork and Dublin.	Cork and Dublin	€160,000
Royal Dublin Society (RDS)	RDS Primary Science Fair Regionalisation	http://www.rds.ie/Ireland-s-Philanthropic-Society/Our-Work/Projects/RDS-Primary-Science-Fair	The RDS Primary Science Fair is a non-competitive exhibition forum for primary school students focussing on the development of science and mathematics skills. It takes place in Dublin and Limerick, with the aim of expanding to Belfast in 2017 and a fourth location in 2018 to facilitate an increase in the level of participation from schools around Ireland, particularly those identified by Science Foundation Ireland as having limited access to STEM activity. It also supports teachers to help children develop skills which are core to the primary science curriculum and integrate numeracy and literacy as integral components of a scientific investigation.	Limerick	€50,000
University College Dublin (UCD)	Suite Science		Suite Science is an educational space for children from disadvantaged parts of Dublin and surrounding areas to play and learn. By showing the children simple science experiments and relating it to the real world they are able to get a handle on how science solves problems. Children at primary and junior cycle levels living in disadvantaged areas are brought to University College Dublin where they do their homework, have something to eat and then explore some science through inquiry based learning in a brand new specifically designed outreach laboratory. Suite Science builds upon a pilot program that was run in 2016 in partnership with the Solas Project (www.solasproject.ie). This proposal is to help fund a full year of the project whilst providing training for facilitators to ensure its sustainability.	Dublin	€15,200
University College Dublin (UCD)	Improve with Improv - theatre training for better STEM Communicators		This project will use improvisation to teach effective communication to scientists. This training focuses on supporting scientists in sharing research in clear ways that will increase knowledge through informal learning, education and the general public's engagement with STEM. This project is in partnership with the Alda Center for Communicating Science at Stony Brook University, USA. The project aims to create an integrated series of training programmes/workshops for science communication.	National	€45,432
University College Dublin (UCD)	Future Makers		This proposal from University College Dublin and TV producers New Decade, aims to secure funding for 6 half-hour prime-time TV documentaries entitled - FUTURE MAKERS. This will be the inaugural Engineering series presented by new on screen talents Arlene O'Neill and David McKeown, where they will uncover the day to day lives and projects of Irish engineers who work at the highest level across a diverse range of disciplines. The documentaries seek to highlight Irish 'Future Makers' –	Broadcast	€40,000

			uncovering the depth and breadth of Irish engineering influencing, impacting and excelling on a global scale.		
Whipsmart Media	SCI:COM National Science Communication Conference	http://scicom.ie/	SCI:COM is a national science communication conference, featuring keynote speakers, breakout sessions on practical issues and innovative activities intended to inspire delegates and create partnerships and networks. The aim is to inform best practice in public engagement, network, share ideas and learn from experiences while tackling and discussing some of the main challenges associated with science communication.	National	€59,000
Mind the Gap Films	Eureka! The Big Bang Query S2		Eureka! The Big Bang Query beams STEM into the living rooms of Irish people who might not normally engage with Science programming. It uses the popular comedy panel show format, without shying away from real STEM. Series 1 had an average audience reach per episode of 116,600 people on RTE television (with further reach via repeats, the RTE player and on-demand services).	Broadcast	€100,000
Feilte Dhuibh Linne Teoranta t/a St Patrick's Day Festival	Science Foundation Ireland Science Zone at the Big Day Out	http://www.stpatricksfestival.ie/events/event/big_day_out	The Festival Big Day Out is a key figurehead event on the St. Patrick's Festival programme, at which the proposed Science Foundation Ireland Science Zone would be presented. The Big Day Out is a free, outdoor, family fun day, featuring street theatre, performance and music as part of Ireland's national holiday celebrations. The event will take place on Sunday 19 March 2017 from 12 noon to 6.00pm as part of Ireland's national holiday celebrations. The Science Zone would feature an extensive programme of activity that would appeal to children from 3 to 13 years of age. The zone will become a hands-on exploratory centre, consisting of four distinct areas and STEM based on-street performances and theatrics. The scope and diversity of the programmed activity which will feature science, technology, engineering and maths will encourage participants to investigate, question, explore, design and make, helping to develop skills and generate interest in STEM and an appreciation of the importance and impact of science in our daily lives.	Dublin	€36,826
Cork Institute of Technology (CIT)	Teachers of Things		The project will provide the means for the direct engagement of primary school students with Internet of Things (IoT) functioning platforms operating in a school environment. The aim of this project is to demystify IoT development and deployment for teachers so they can implement solutions in schools, apply them in the curriculum thus demonstrating to their students not only the opportunities offered by IoT but also the ease of access to such platforms.	Cork	€30,384
University College Dublin (UCD)	Seeing the Light		The project will deliver hands-on workshops to ten all girl schools in the greater Dublin area, with the aim of improving the uptake of physical sciences at Leaving Certificate and subsequently at third level. The project will deliver these workshops	Dublin	€3,935

			to Transition Year students before they finalise their choices for the Leaving Certificate in March.		
Dublin City University (DCU)	Science on Stage	http://www.scienceonstage.ie/	Science on Stage is a European initiative designed to encourage teachers from across Europe to share best practice in science teaching (www.science-on-stage.eu). The primary aims of Science on Stage are to provide a forum for teachers to exchange teaching ideas for the sciences; inspire and enthuse science teachers and provide teachers with access to quality science teaching resources and ideas. This iteration of Science on Stage Ireland will select and train a team of ten second level science teachers to represent Ireland at the 2017 festival. The leaders and 2017 team will engage in several pre- and post- festival events to develop and produce new resources for STEM teaching and learning, both in written and video formats, and disseminate these resources through facilitating teacher workshops at national conferences and events.	National	€11,200
National Youth Council of Ireland	STEM in Youth Work		This project aims to strengthen and increase the delivery of STEM Education in the youth sector through the following activities: Specialised and Tailored STEM Training, annual Creative Tech Festival event, and Whole Organisation approaches. This involves capacity building through in-person and online training, ongoing support and resource development, creating communities of practice and large scale engagement and celebration events; promoting good practice through learning networks, cross sector organisational collaboration and partnership, ongoing monitoring and evaluation results sharing, and standards development. The National Youth Council of Ireland 's (NYCI) project goal is that young people and those working with young people are empowered to develop STEM based knowledge, skills and confidence, where educators realise their potential to deliver quality STEM education, and learners are actively engaged in the learning process and are empowered to develop their 'STEM Capital'.	National	€252,150
University of Limerick (UL)	Raw Engagement for Sustainable Technology and Repair Talk (RESTART)		The proposal aims to foster conversation and debate on waste and environmental challenges through repair cafés and workshops, empowering the general public to become more engaged with STEM and sustainability. Through a series of electronics repair café workshops the project will engage a broad audience, who may not usually engage with events at Universities. Workshops will be followed by participant discussions.	Limerick	€50,000

University College Dublin (UCD)	Learning by Heart		'Learning by Heart' is a podcast series that explores the nature of learning. Each episode of a ten-part series will follow a person's experience as they learn a new skill or concept (e.g. the piano or coding). These personal journeys will provide a platform for scientists, educators and other experts to discuss the various tools and theories that seek to explain how we learn.	National	€28,322