

Science Foundation Ireland Discover Programme Call

Final Report Template

Please complete the sections below in relation to your project funded under the Science Foundation Ireland Discover Programme Call. You are also required to submit data via Survey Monkey in relation to audience numbers, audience type, geographic location etc

<https://www.surveymonkey.com/r/DiscoverProgrammeCall> - both parts must be completed.

Note: Please complete items 1-5 as per your original application form

1. Proposal ID: DP15/015
2. Organisation Name: ADAPT
3. Project Lead Name: Dr. Cara Greene
4. Project Title: Problem Solving Initiative
5. Lead organisation: ADAPT TCD

Report Details

6. Please outline in bullet points what you aimed to achieve with this project (300 words)
 - Directly increase the number of students sharpening their problem-solving skills in Ireland with a focus on schools in regional counties of Ireland that have been identified by Science Foundation Ireland as having low levels of STEM intervention.
 - Promote STEM career pathways for those who enjoy solving problems. Growth of the All Ireland Linguistics Olympiad aimed to inspire secondary school students to consider the fascinating range of careers at the intersection of computing, linguistics and language.
 - Enhance the logic and lateral thinking skills of the youth of Ireland to foster the next generation of skilled problem solvers for Ireland.
 - Raise the Irish public's awareness of and appreciation for the importance and applicability of problem-solving skills across science, the economy and society.
 - Create enthusiasm within the Irish public for problem solving by engaging people directly with exciting puzzles and mind-bending challenges.

7. Please explain how you met your objectives (800 words)

The two-year Problem Solving Initiative (PSI) established a strong brand, project website (www.problemsolving.ie) and social media presence. Promotional videos of the initiative and its events have been circulated online.

The PSI met its objectives through delivery of a range of exciting activities, including:

Expansion of the All Ireland Linguistics Olympiad (AILO) competition for secondary schools, including engagement of DEIS schools and schools in counties with low levels of STEM intervention.

Over 7600 students from 305 schools in 32 counties participated in AILO 2016 and 2017, including 787 students from 41 schools in eight counties with low STEM intervention. A further 4400 students, 161 teachers and 13 ADAPT tutors have participated since September 2017 in the AILO 2018 programme.

In AILO 2016, a total of 362 students from 11 schools with Delivering Quality of Opportunity in Schools (DEIS) status participated, representing 9% of participants. This increased to 458 students from 26 schools with DEIS status in AILO 2017, representing a 4% increase. Forty-four ADAPT tutors were trained to deliver problem solving workshops all over the country in January 2016, January 2017, November and December 2017.

Fifty-six AILO problem solving workshops were delivered throughout the project in 16 counties, involving 1463 students from over 50 schools in 23 counties. In 2017, nine schools from seven of the eight counties highlighted as having low levels of STEM engagement, hosted workshops.

100 students each year went on to compete in individual and team rounds of the national final of AILO in TCD and DIT Grangegorman. Team Ireland won a bronze medal and two honourable mention awards at the 35-nation International Linguistics Olympiad 2016 in India in July 2016.

A survey of finalists revealed that AILO is enhancing students' problem-solving skills (see Q. 14 of this report). 94% of January 2017 workshop attendees reported a perceived improvement in their problem solving skills. Prior to the November / December 2017 Workshops 70% of respondents had considered studying computing, languages or linguistics at University; this improved to 92% post workshop. 15% of respondents said they had very effective strategies for solving complex problems pre-workshop; this improved to 82% post-workshop.

A public awareness campaign to highlight the benefits of a strong problem-solving workforce, and to exemplify careers requiring problem-solving skills.

The PSI communications plan generated 40 media mentions including national TV, radio, press and international press. The PSI team collaborated with the Institute of Guidance Counsellors' *Guideline* magazine to bring the initiative to the attention of its members. Articles, written by former Irish International Linguistics Olympiad (IOL) finalists who are studying Maths and Linguistics in university, showcased their love of problem solving and explained its influence on their education and career path.

Forty-four ADAPT tutors visited schools all over the country to provide the problem solving workshops. The workshop introduction highlighted why problem solving skills are important and the tutors gave an overview of their education and career path as a part of their presentation.

Hosted the International Linguistics Olympiad (IOL) in Dublin

The PSI brought the International Linguistics Olympiad 2017 (IOL 2017) to Dublin City University from 30th July to 4th August 2017. The top 180 young problem solvers from 30+ countries competed in individual and team rounds over the week-long contest. Participants competed to solve problems on diverse languages and writing systems including Birom, Abui, Kimbundu, Khom, Madak, and Emoji. The Olympiad attracted national and international media attention including pieces on the RTE 9 O'clock News and Morning Ireland.

Mind-bending puzzles for the Public

The PSI has created many exciting puzzles for people of all ages. A selection of the puzzles are available on the PSI website and have been shared widely through social media. These puzzles were formatively evaluated and matched with a suite of problem solving games to create an interactive problem solving workshop which has been brought to a range of public Science events such as BT Young Scientist, the Ploughing Championships, the Big Day Out, Cavan and Monaghan Science Festival and other Science week events over the two years. The evaluation of these materials at public events has fed directly into the design of a Problem Solving Toolkit for Primary Schools. This toolkit of materials will be piloted at the South Dublin County Partnership (SDCP) 6-10 Programme (see Section 8 Project Partners).

A family-friendly Problem-Solving Festival in Trinity College Dublin

The PSI ran a family-friendly Problem Solving Festival on September 30th in Trinity Front Square and Exam Hall. Over 2100 members of the public of all ages tested their minds against a variety of challenging puzzles. Festival-goers arrived to a hall filled with exciting games, codes, and challenges. A large marquee in front square housed Anyone4Science's lesson on how to make your own ice cream without a freezer and the Go Fly Your Kite workshop.

Interactive exhibitions on problem solving games and activities, Makeshop's Car Propeller Challenge, Connect's interactive logic game, Little Cell Explorers' workshop were all very popular on the day.

Visitors also attended free lectures as part of the festival, including one given by Professor Sabina Brennan on Brain Health and an AILO workshop on problem solving strategy. A workshop on Making Maths Easier for parents, teachers and children was a very engaging workshop led by Dr. John McKenna from Dublin City University.

8. Project Partners (formal partners in the project – please highlight any additional partners since your original application.

The original partners were the Institute of Guidance Counsellors (Guideline magazine), Transition Year Ireland and Board of the International Linguistics Olympiad (IOL).

The PSI partnered with MAKESHOP (Science Gallery), Cell Explorers, Go Fly for Kite, Anyone 4 Science, CONNECT, the Irish Computer Society Bebras Challenge, DCU School of Computing, AMBER, the Slovenian Logic and Linguistics Olympiad and the Irish Programming Olympiad for the Problem Solving Festival in September 2017. Microsoft provided sponsorship for the festival.

The Problem Solving Initiative will partner with the South Dublin County Partnership (SDCP) on their '6 to 10' after-school programme in spring 2018. The programme involves children from low income families

and all the programmes offered are free of charge. Elements of the primary school problem-solving toolkit will be trialled over five initial workshops.

9. What are the key highlights/successes of your project (500 words)

- 818,218 individuals engaged directly by the initiative throughout 2016 and 2017.
- 67% improvement in secondary school students' perceived strategies for solving complex problems post-PSI engagement
- 22% increase in secondary school students considering studying computing, languages or linguistics at University post-PSI engagement
- 40 media pieces with a mixture of national television, radio, print and international media highlighting PSI events over the two years.
- Over 7600 students from 305 schools in 32 counties participated in AILO 2016 and 2017, including 787 students from 41 schools in eight counties with low STEM intervention. A further 4400 students, 161 teachers and 13 ADAPT tutors have participated since September in AILO 2017/8.
- Increasing the percentage of DEIS status schools participating by 9% from 2015 to 2016, and a further 4% gain in 2017.
- Training of 44 tutors to deliver problem solving workshops in January 2016, January 2017 and November and December 2017.
- 56 AILO problem solving workshops were delivered throughout the project in 16 counties, involving 1463 students from over 50 schools in 23 counties.
- In 2017, nine schools from seven of the eight counties highlighted as having low levels of STEM engagement hosted workshops.
- Hosting of the International Linguistics Olympiad (ILO) in Dublin City University led to increased public awareness amongst the Irish public. 180 of the world's top young linguistic problem-solving competed in the week-long contest in July 2017.
- Running the Problem Solving Festival in Trinity College Dublin in September 2017. Over 2100 members of the public attended the event.
- Created a suite of the problem solving puzzles and games for the public, including puzzles for young children which fed into the design of the Primary School Toolkit.
- Engagement of +22,800 people at Public Science Festivals including Science Week Events in Dublin and Monaghan.

10. What are the top tips you would have for someone doing a similar project (500 words)

In order to expedite ramp-up time, we planned the workshop content in October and November 2015 prior to finding out if we had the funding for a full nationwide programme. We needed this lead-time to be ready in go with the problem solving workshop programme in January 2016. If we had not got the funding, this content work would have been used on a smaller scale. This work was invaluable in getting the project off the ground immediately. It is important to start into the project planning and make connections as soon as possible. Hiring staff, if relevant, can take a few months in a university environment.

Ensure that, from an early stage, all members of your own organisation are aware of your project, its aims and its potential impact. Give them clear information about how they can get involved and provide them with collateral to share when opportunities arise. Make full use of national and international networks to enhance the reach and impact of your project. Consider who is doing complimentary activities and ask

them for advice, introductions or direct input into your project Outline the many ways in which they can contribute to the project, and encourage them to like and share your social media posts.

Over a one or two year project, it is a good idea to spread out the major events evenly throughout the year if possible to even out the workload. Don't underestimate the time and resources required to run a project of this scale. The PSI had budgeted for 20% of the Project Lead's time to be spent on the initiative during 2016, and 10% of the time of ADAPT's Education and Public Engagement Manager. In reality, the project has required at least half of both staff members' time. Inclusion of staff resources is an important element of any application to do a project of this scale.

External evaluation would be beneficial for the best evaluation design, especially for a large-scale festival where you are evaluating multiple factors.

11. Please outline challenges encountered, the causes and if and how you were able to overcome them (500 words)

The PSI Project Lead was on maternity leave from May 2016 returning in January 2017. This challenge was addressed through detailed preparation by the PSI team ahead of the leave period commencing and communication while the Project Lead was out of the office. ADAPT's Education and Public Engagement Manager took over leadership of the project during this absence.

The team had planned to hire a Problem Solving Initiative Officer for 12 months to help in the rollout of the project. The duration of this role was extended to 15.5 months, starting in mid-June 2016 and then further extended until November 2017 in consultation with Science Foundation Ireland. ADAPT also hired short-term interns to assist with the initiative during the two summers.

Another challenge was the timing of the Science Foundation Ireland review of ADAPT just five weeks before the International Linguistics Olympiad (IOL) and the Problem Solving Festival. The Problem Solving Festival was originally set to take place on the bank holiday weekend Saturday 5th August in Dublin Castle to finish out the Problem Solving Week. This date was the day after the IOL ended in Dublin City University and the official departures day. One major issue with holding the festival on this date was that many of our targeted exhibitors could not make this date in the middle of the holiday period and a number of exhibitors cancelled in May. With the workload ongoing for the IOL and the Science Foundation Ireland review, and wanting to have the very best exhibitors at our event, we discussed moving the event with Science Foundation Ireland. We moved the festival to the day after PROBE in Trinity College Dublin Front Square and Exam Hall. As a result, most of the exhibitors we wanted were able to make the new date of Saturday 30th September 2017. The balance in rental fees (for the initial Dublin Castle rental) was used to secure paid workshops to add to the day's events. We were also able to save a portion of the marquee rental fees as they were already in place on the Square after PROBE.

Finally, the time taken to create a bank of puzzles suited to audiences other than secondary schools was longer than anticipated. These materials had to be designed and formatively evaluated before presentation at public Science events.

12. How do you plan to make your project sustainable or detail your exit plan for your project (500 words)

The Problem Solving Initiative has built up a strong brand and recognition in secondary schools in Ireland as well as at public Science events over the last two years. School and students numbers have continued to grow and the PSI has been invited to join family science events consistently over the last two years.

Despite the current funding coming to an end, we want these relationships to continue to prosper. The problem solving workshop programme continued in schools in January 2018. We will continue to make the puzzles available online and bring the interactive workshop to Science events. We are currently looking at funding calls (Science with and for Society (SwafS) and Science Foundation Ireland Discover) and sponsorship for opportunities to roll out the Primary School Toolkit and other activities.

Evaluation

13. How did you evaluate the project? (250 words)

The Science Foundation Ireland Evaluation Toolkit has been utilised to plan and conduct evaluation for each element of the Problem Solving Initiative project. Participation numbers for AILO and the Problem Solving workshops were tracked each year including DEIS school involvement and involvement from the eight counties highlighted by Science Foundation Ireland as having low levels of STEM engagement.

Formative evaluation was conducted during the design of the materials for the AILO Problem Solving workshops each year. The 2016 workshops were evaluated with post-workshop surveys. With a further focus on evaluation and impact of each programme in 2017, we updated the evaluation of workshops to include pre- and post-workshop surveys. Surveys of the 2016 and 2017 AILO finalists were surveyed on their attendance at workshops, their perceived problem solving skills and the impact of the Olympiad on their learning. Attendees at the Big Day out and Science Week events over the two years completed questionnaires.

Evaluation of the Problem Solving Festival included pre-event, on-the-day and post-event questionnaires to track participant age, education background, views on problem solving ability and whether they are likely to seek out more problem solving activities for their families. Semi-structured video interviews were also carried out on the day of the festival. Social media and online engagement and media mentions have been recorded and monitored periodically.

14. Outline the findings from your evaluation (500 words)

Over 7600 students from 305 schools in 32 counties participated in AILO 2016 and 2017, including 787 students from 41 schools in eight counties with low STEM intervention. A further 4400 students, 161 teachers and 13 ADAPT tutors have participated to date since September 2017 (new AILO 2017/8 calendar year).

In AILO 2016, a total of 362 students from 11 schools with Delivering Quality of Opportunity in Schools (DEIS) status participated, representing 9% of participants. This increased to 458 students from 26 schools with DEIS status in AILO 2017, representing a 4% increase. In 2018, we will continue to target both DEIS schools and the eight counties to increase participation.

A total of 437 students from 36 schools attended regional problem-solving workshops in January 2016. ADAPT ran four workshops in counties with low levels of STEM engagement and four in counties with low levels and STEM intervention relative to population size. One thousand two hundred and sixty seven linguistic problem solvers (52% female, 48% male) contested the first round of the Olympiad in their schools in February, and the top 100 performers progressed to the national final in TCD in March.

Two programmes of problem solving workshops were designed and delivered in 2017. In January 2017, a total of 480 students (from 40 schools in 17 different counties) attended 19 regional problem-solving

workshops in 14 counties around the island of Ireland. In November and December 2017, 493 students (from 38 schools in 17 counties) attended 18 workshops held in 13 counties around the country. Nine schools from seven of the eight counties highlighted as having low levels of STEM engagement hosted workshops. 25 ADAPT tutors travelled to schools, Queens University Belfast and LERO (University of Limerick) to give the workshops. 60 teachers also took part in the workshop training.

94% of January 2017 workshop attendees reported a perceived improvement in their problem solving skills. Prior to taking part in a workshop, 40% reported considering studying computing, languages or linguistics at university. Post-workshops, this increased to 64%. Prior to the November / December 2017 Workshops 70% of respondents had considered studying computing, languages or linguistics at university. This improved to 92% post workshop. 15% of respondents said they had very effective strategies for solving complex problems pre-workshop. This improved to 82% post-workshop. Three further workshops in Dublin and Donegal took place January 2018 involving five more schools from three counties.

One thousand three hundred and twenty five linguistic problem solvers (54% female, 46% male) took the first round of the Olympiad in their schools in February 2017, and 104 progressed to the national final in DIT Grangegorman in March. Eight students were selected to represent Ireland at IOL 2017 in Dublin. 93% of students at the AILO final felt the contest helped them improve their problem-solving skills and 98% would recommend the Olympiad to a friend.

Feedback from the Problem Solving Festival showed that 77% of respondents were interested talking about the event with others in their social circle after the event, 90% said they would like more problem solving events to be available and 76% reported the event improved their problem solving skills / their child's skills. 89% stated that they very likely to seek out further problem solving activities for themselves and their family to do at home. Evaluations of each workshop at the festival were also performed.

15. Describe what you have learned from the findings (500 words)

Feedback from the 2016 surveys helped to shape the 2017 workshop programmes. In 2016, we had provided puzzles to students in advance of the workshop to try out ahead of the workshop but feedback showed that students preferred to try out new puzzles on the day itself.

Findings from the January 2017 workshops and the results in the AILO Final 2017, as well as the IOL Dublin 2017 fed into the design of the November and December 2017 workshop programme. The new workshop programme introduces what problem solving is, and why it is important. The students are introduced to basic logic and linguistics problems where they have to work out simple rules. They are then introduced to AILO as one type of problem-solving. The workshop covers each type of AILO problem, strategies and techniques for solving puzzles. The students then try two challenging puzzles where they apply the knowledge they have acquired during the workshop.

Findings from the Problem Solving Festival showed that 74% of respondents were 30-49 years old and over 70% came to the event with children. 82% of attendees had a degree qualification or higher. This is an interesting finding that shows the festival did successfully target families but perhaps what we are not reaching all sections of society. One comment in our feedback was from a family that said they really appreciated the event being free for them as they would not have been able to attend it. This is an important issue and we can do more to target families who may not be able to afford to come to Science events or send their children to extra-curricular activities.

Showcasing problem solving materials at Science festivals such the Big Day Out helped to test the materials for inclusion in the Primary School Toolkit.

16. Outline how these findings could be addressed in any future similar projects (500 words)

It is important to ensure that all parts of society are made aware and invited to take part in public Science events. For the Problem Solving Festival, we sent flyers to every library in the Dublin and surrounding region as a part of our promotion of the event. This was a good outlet to reach communities but promotion could also be carried out in after DEIS After School Clubs, Boys Scouts / Girl Guides and local health centres so that communities know that a free science event is coming up. One workshop that was hugely popular at the festival was “Making Maths Easier” from Prof. John McKenna of DCU. Parents, teachers, primary and secondary school students were treated to an excellent workshop about breaking down the fear around maths. Parents and children alike were shouting out answers and the feedback was overwhelmingly positive. Parents commented that the workshop showed them how to help their children with their homework and gave parents the confidence they were lacking. More workshops like this one are needed.

17. Explain how you have shared, or intend to share, these learnings (250 words)

The positive findings on the impact of the PSI (specifically AILO) on enhancing participants’ problem-solving skills have been shared with influential people and organisations including the Department of Business, Enterprise and Innovation and the STEM Education Review Group led by DCU President, Professor Brian Mac Craith. The findings have been referenced in press releases and in promotional collateral for AILO, the PSI and the festival.

The problem solving materials are available on www.problemsolving.ie. Students can continue to attend workshops and the general public can access the interactive workshop / exhibit at upcoming Science events in Ireland.

18. Was your project externally evaluated? If so, please attach a copy of the evaluation report.

No.

General Comments

19. If you would like to add any relevant further information not covered above, please add it here.

20. If there is anything further you would like to share about the project or any feedback on the Discover Programme Call process, please add it here.

21. Please provide a list of the media coverage including broadcast, press and social media.

Date	Media Outlet	Headline / Topic
11/12/2015	Irish Independent	Pupils Urged to Tackle Puzzles

19/12/2015	Evening Echo	Students' skills tested
22/12/2015	Irish Examiner	Search on for Cork's Top Young Problem Solver
27/01/2016	Dundalk Democrat	St Louis Host Linguistics Olympiad
29/02/2016	RTE news site online	ADAPT Launches Problem Solving Initiative
01/03/2016	Irish Examiner	Students Vie for Linguistic Success
15/03/2016	North County Leader	Swords Students in Linguistic Olympiad
15/03/2016	Roscommon Herald	All-Ireland Linguistics Olympiad
18/03/2016	Donegal Now	Donegal Students Compete in Problem-Solving Competition at Trinity College
19/03/2016	Donegal Democrat	Donegal Students at All Ireland Linguistics Olympiad
26/03/2016	Meath Chronicle	Meath's Young Problem Solvers
15/04/2016	Donegal News	Donegal Student Gets Ready for Thinking Man's Olympics
13/05/2016	Donegal News	St Eunan's Student off to India
18/05/2016	Northside People	Dublin trio on their way to Olympiad

19/05/2016	Finn Valley Post	St Eunan's College Pupil, Donal Farren who claimed success at the AILO Problem Solvers' Challenge
19/05/2016	Letterkenny Post	St Eunan's College pupil, Donal Farren who claimed success at the AILO Problem Solvers Challenge
04/06/2016	Wexford People	Bishop Urges Students to Live in the Moment
03/08/2016	Silicon Republic	Irish Teen Wins Bronze at International Linguistics Olympiad 2016
03/08/2016	Donegal Now	Donegal Student Wins Honourable Mention at International Linguistics Olympiad in India
05/08/2016	Donegal News	Top Marks for Donal in India
11/11/2016	DCU School of Computing website	Minister Mitchell O'Connor launches national Problem-Solving Initiative
21/03/2017	North County Leader	St Finian's Community College Celebrating 60 Years
17/03/2017	midulstermail.co.uk	Students Test Their Wits in Linguistics Olympiad
10/04/2017	Laois People	Laois Students win AILO team final
11/04/2017	Leinster Express	Mountrath School's All Ireland Linguistics Olympiad Champions
06/05/2017	Leinster Express	Mountrath CS Team win All Ireland Linguistics Olympiad

06/08/2017	Taiwan News	Taiwan wins two gold and two silver medals in Linguistics Olympiad
06/08/2017	Focus Taiwan	Taiwan team wins gold at International Linguistic Olympiad
07/08/2017	UDN (China)	International Linguistics Orsay US team Watson 1 gold 1 silver 1 bronze
07/08/2017	DCU	Irish Teens have home advantage
07/08/2017	Vecer (Slovenia)	Where would come without Logic?
07/08/2017	RTVSlo (Slovenia)	IOL in Dublin
07/08/2017	Ruskiymir (Russia)	Russian Schoolkids took prizes at International Linguistics Olympiad in Dublin
07/08/2017	Ocacnews (Taiwan)	Taiwan team wins gold at International Linguistic Olympiad
08/07/2017	Isle of Man	Isle of Man teams set for International Linguistics Olympiad
08/07/2017	Isle of Man Gov	Isle of Man teams set for International Linguistics Olympiad
08/07/2017	Yale (USA)	With Prof. Radev as Coach, Linguistic Olympiad teams head to Dublin

31/07/2017	RTE - Morning Ireland	International Problem Solvers gather for Linguistics Olympiad
31/07/2017	RTE - Nine News	News item on the IOL
28/09/2017	Irish Tech News	ADAPT Centre to host family-friendly Problem Solving Festival in Dublin this Saturday
28/09/2017	Techcentral.ie	Adapt to host first Problem-Solving Festival this weekend

Social Media 2016

Website visits (www.adaptcentre.ie/ailo, www.problemsolving.ie and www.iol2017.ie): 2,532 users, 3,502 sessions.

Twitter (@problemsolve_ie, @ailo2017 and @iol2017): 246 followers.

Facebook (<https://www.facebook.com/Problem---Solving---Initiative---1083407555074366/>,

<https://www.facebook.com/AllirelandLinguisticsOlympiad/> and <https://www.facebook.com/iol2017/>): 558 followers, organic reach of 19,626.

Advertising Campaign reach: 145, 639, Estimated recall: 24,500.

Social Media 2017

Website visits (www.adaptcentre.ie/ailo, www.problemsolving.ie, www.iol2017.ie, <http://www.ioling.org/> and the PSI Festival on the ADAPT Website): 76,847 individual users, 81,394 sessions (there was a further 1.5 million sessions on ioling.org throughout the full year).

Google analytics failed to work in H1 2017 for www.problemsolving.ie and www.iol2017.ie so the visits in this period are not added here.

Twitter (@problemsolve_ie, @ailo2017, @iol2017 and @IOLing_official): 1,373 followers.

Facebook (<https://www.facebook.com/Problem---Solving---Initiative---1083407555074366/>,

<https://www.facebook.com/AllirelandLinguisticsOlympiad/>, <https://www.facebook.com/iol2017/>, <https://www.facebook.com/international.linguistics.olympiad/> and <https://www.facebook.com/Problem-Solving-Initiative-1083407555074366/>): 4883 followers, organic reach of 208,378.

ADAPT Festival Ads: users 292, reach 1771.

Festival event page (via problem solving & ADAPT pages): reach 16,000.

Online Festival advertising: reach 307,695.

Finances			
Total Project Costs		361,680.26	
Amount of SFI Discover Award		220,000.00	
<p>Provide a breakdown of project expenditure utilising the table below</p> <p><i>(please note we do not require copies of invoices to be included in this report but they should be retained in file for possible audit). Expenditure listing to be signed off by a financial representative of the organisation as being an accurate record of expenditure of the project. Eligible Research Bodies must also submit a financial report via SESAME. Any underspent budget should be declared here and arrangements made to return the funding to Science Foundation Ireland.</i></p>			
Category	Details	SFI Discover Funding Spend €	Total Spend €
Project Management	Staff + In-Kind Staff + Tutor Workshops	117,604.16	176,781.16
Direct Activity & Production Costs	IOL, PSI Festival, Workshops	65,509.14	134,975.06

Marketing Promotion &	Festival, AILO	22,273.22	22,273.22
Consumables	Printing, Catering	17,082.03	17,082.03
Evaluation	Surveys & Semi-structured Videos	4,000.00	4,000.00
Expenses	Travel	6,568.79	6,568.79
TOTAL		220,000.00	361,680.26

Source and amount of additional funding, including any income derived from the project

Source	Amount of funding €
IOL Registration Fees	69,465.92
Microsoft Sponsorship	5,000.00
Failte Ireland Sponsorship	3,450.00
Institute of Guidance Counsellors	4,000.00
Transition Year Ireland	4,000.00

TOTAL	85,915.92



Breakdown of total costs claimed for Discover award

Please itemise all payroll and travel and subsistence costs per employee and all other costs above €3,000 charged to the Discover award

Category	Details	Amount
Please find attached DCU General Ledger Report and TCD List Costs	DCU + TCD	302,503.26
	In-Kind	59,177.00
TOTAL		361,680.26

Finance Officer Sign-Off

Name: Robbie Gallagher **Position:** Finance Manager, ADAPT

Signed:  **Date:** 13.02.2018

I confirm that the information provided above is an accurate account of the expenditure for this project funded under the SFI Discover Programme Call.

Project Lead Sign-Off

Name: Dr. Cara Greene

Signed:  **Date:** 13.02.2018

I confirm that the information provided in this report is an accurate account of this project funded under the SFI Discover Programme Call.