



# European Union Contest for Young Scientists

## Country factsheet 2015

### Ireland



**Ireland (IE)**

Participates since 1989 Nr of Contests 27  
 nr of prizes 38 Nr of prizes won by Team of girls: 13  
 Team of boys: 22  
 Nr of girls to win a prize 17 Mixed teams: 3  
 Nr of boys to win a prize 25  
 Last prize won in 2015

Name of the winner	Year	Sex	Prize	Name of the Project
Grace O'Connor Sinead Finn	1989	FF	1st PRIZE	<i>A crop fractionation industry</i>
Annagh Dalton (née Minchi)	1990	F	1st PRIZE	<i>Colpomenia Peregrina, an immigrant alga to Europe</i>
Barry O'Doherty Daniel Dundas	1991	MM	1st PRIZE	<i>The dynamics of a two-well potential oscillator</i>
Jean Byrne Elizabeth Dowling	1992	MF	1st PRIZE	<i>Population dynamics of a thistle predator: Terellia Serratulae</i>
Jean Byrne Elizabeth Dowling	1992	MF	TRAVEL AWARD TO THE NOBEL PRIZE CEREMONY	<i>Population dynamics of a thistle predator: Terellia Serratulae</i>
Rodger Toner Donal Keane	1993	MM	1st PRIZE	<i>Mate selection by a male crustacean</i>
Rodger Toner Donal Keane	1993	MM	TRAVEL AWARD TO THE NOBEL PRIZE CEREMONY	<i>Mate selection by a male crustacean</i>
Rodger Toner Donal Keane	1993	MM	TRAVEL AWARD TO THE INTERNATIONAL SCIENCE AND ENGINEERING FAIR (ISEF), USA	<i>Mate selection by a male crustacean</i>
Jane Feehan	1994	F	1st PRIZE	<i>The Calluna Case-Carrier</i>
Jane Feehan	1994	F	TRAVEL AWARD TO THE NOBEL PRIZE CEREMONY	<i>The Calluna Case-Carrier</i>
Brian Fitzpatrick Shane Markey	1995	MM	1st PRIZE	<i>Plants can tell us when they need a drink of water</i>
Patricia Lyne Rowena Mooney Elsie O'Sullivan	1996	FFF	3rd PRIZE	<i>Analysis of indigenous Irish strains of honeybee</i>
Patricia Lyne Rowena Mooney Elsie O'Sullivan	1996	FFF	TRAVEL AWARD TO THE INTERNATIONAL SCIENCE AND ENGINEERING FAIR (ISEF), USA	<i>Analysis of indigenous Irish strains of honeybee</i>
Fiona Fraser Ciara McGoldrick Emma McQuillan	1997	FFF	1st PRIZE	<i>Unravelling the secrets of the preservation of Europe's bog bodies</i>
Fiona Fraser Ciara McGoldrick Emma McQuillan	1997	FFF	TRAVEL AWARD TO THE INTERNATIONAL SCIENCE AND ENGINEERING FAIR (ISEF), USA	<i>Unravelling the secrets of the preservation of Europe's bog bodies</i>
Raphael Hurley	1998	M	3rd PRIZE	<i>The mathematics of monopoly</i>
Sarah Flannery	1999	F	1st PRIZE	<i>Cryptography: a new algorithm vs. the RSA</i>

Sarah Flannery	1999	F	TRAVEL AWARD TO THE NOBEL PRIZE CEREMONY	<i>Cryptography: a new algorithm vs. the RSA</i>
Thomas Gernon	2000	M	ALUMNI PRIZE	<i>The geography and mathematics of Europe's urban centres</i>
Shane Browne Michael O'Toole Peter Taylor	2001	MMM	3rd PRIZE	<i>Symmetrical shapes formed by polygons</i>
David M. O'Doherty	2002	M	SPECIAL PRIZE	<i>The distribution of the primes</i>
Patrick COLLISON	2005	M	SECOND PRIZES (€3000)	<i>Croma: a new dialect of lisp</i>
Aisling JUDGE	2006	M	THIRD PRIZE (€1500)	<i>The development and evaluation of a biological food spoilage indicator</i>
Abdusalam Abubakar	2007	M	FIRST PRIZE (€5000)	<i>An Extension of Wiener's Attack on RSA Encryption</i>
Abdusalam Abubakar	2007	M	HONORARY AWARD: LONDON INTERNATIONAL YOUTH SCIENCE FORUM	<i>An Extension of Wiener's Attack on RSA Encryption</i>
Émer Jones	2008	F	SECOND PRIZE (€5000)	<i>Research and Development of Emergency Sandbag Shelters</i>
Liam Mc Carthy John D. O'Callaghan	2009	MM	FIRST PRIZE (€7000)	<i>The Development of a Convenient Test Method for Somatic Cell Count and it's Importance in Milk Production</i>
Liam Mc Carthy John D. O'Callaghan	2009	MM	HONORARY AWARD: LONDON INTERNATIONAL YOUTH SCIENCE FORUM	<i>The Development of a Convenient Test Method for Somatic Cell Count and it's Importance in Milk Production</i>
Richard O'Shea	2010	M	HOST ORGANISATION SPECIAL DONATED PRIZES	<i>A Biomass Fired Cooking Stove For Developing Countries</i>
Alexander Amini (16)	2011	M	FIRST PRIZE (€7000)	<i>Tennis Sensor Data Analysis: An Automated System for Macro Motion Refinement</i>
Alexander Amini (16)	2011	M	HONORARY AWARD: LONDON INTERNATIONAL YOUTH SCIENCE FORUM	<i>Tennis Sensor Data Analysis: An Automated System for Macro Motion Refinement</i>
Mark James Kelly (18) Eric Doyle (17)	2012	M M	FIRST PRIZES (€7000)	<i>Simulation accuracy in the gravitational many-body problem</i>
Mark James Kelly (18) Eric Doyle (17)	2012	M M	HONORARY AWARD: LONDON INTERNATIONAL YOUTH SCIENCE FORUM	<i>Simulation accuracy in the gravitational many-body problem</i>
Ciara Judge (15) Emer Hickey (15) Sophie Healy-Thow (16)	2013	F F F	FIRST PRIZES (€7000)	<i>A statistical investigation of the effects of diazotroph bacteria on plant germination</i>
Ciara Judge (15) Emer Hickey (15) Sophie Healy-Thow (16)	2013	F F F	HONORARY AWARD: LONDON INTERNATIONAL YOUTH SCIENCE FORUM	<i>A statistical investigation of the effects of diazotroph bacteria on plant germination</i>
Paul Clarke (17)	2014	M	SECOND PRIZE	<i>Contributions to cyclic graph theory</i>
Paul Clarke (17)	2014	M	SPECIAL DONATED PRIZE- CERN	<i>Contributions to cyclic graph theory</i>
Eimear Frances Murphy (17) Ian Dominic O'Sullivan (17)	2015	FM	SPECIAL DONATED PRIZE- Intel ISEF 2016 Prize	<i>Alcohol consumption: does the apple fall far from the tree?</i>
Mark William O'Dowd	2015	M	HOST ORGANISER SPECIAL DONATED PRIZES - EXPO 2015 Food Projects	<i>Injury Increasing Crop Yields</i>