

Science Foundation Ireland Snapshot





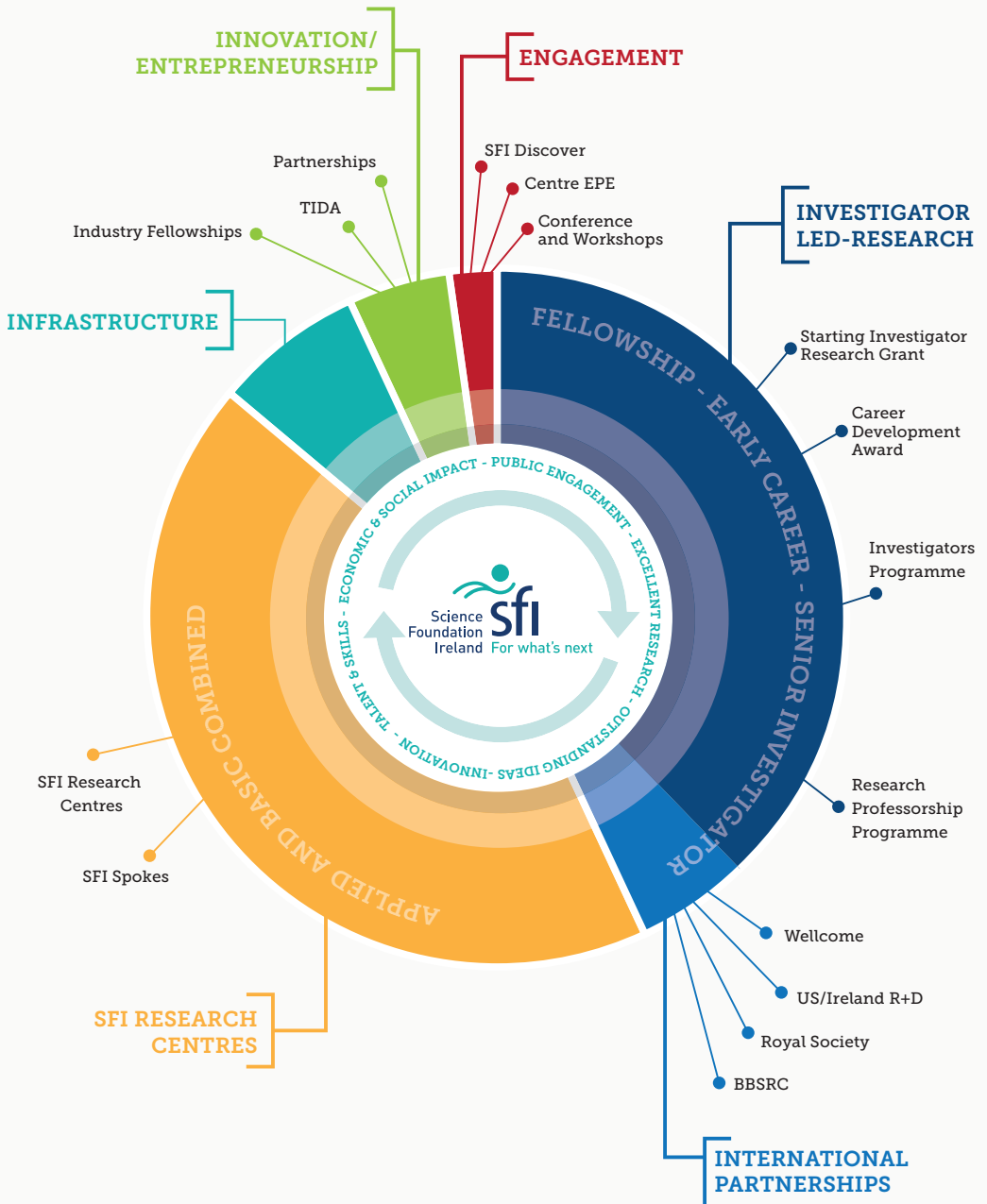
About Science Foundation Ireland

Science Foundation Ireland funds research in the areas of science, technology, engineering, and mathematics (STEM) which promotes and assists the development and competitiveness of industry, enterprise and employment in Ireland.

The Foundation also promotes and supports STEM education and engagement, and creates awareness and understanding of the value of STEM to society and to the growth of the economy.

Science Foundation Ireland funds a balanced portfolio of programmes, many involving national and international collaborations with both small and large companies, charities, international funders and national funders. Science Foundation Ireland funds across the career spectrum from early-stage researchers to mid-stage career researchers to emerging research stars and up to established highly-esteemed research leaders, through individual and collaborative awards.









Science Foundation Ireland Portfolio



Excellent Science

Science Foundation Ireland delivering Ireland's International Rankings

Ireland is **10th**
in global scientific ranking

	Animal and Dairy	2 nd
	Immunology	2 nd
	Nanotechnology	2 nd
	Materials Sciences	3 rd
	Agricultural Sciences	4 th
	Chemistry	5 th
	Basic Medical Research	6 th
	Computer Science	6 th

2.41% of Science
Foundation Ireland
funded publications
are in the top **1%**
of publications



Israel 1.50%
Ireland 1.54%
USA 1.74%
UK 1.75%
Denmark 2.38%



Science Foundation Ireland 2.41%

National Science Foundation USA 2.7%

National Institutes for Health USA 2.9%

International Collaborations

Science Foundation
Ireland researchers
were involved in

2,359

international academic
collaborations in
63 countries.

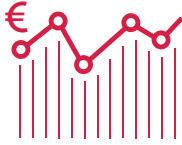


A total of **4,199**
publications reported by
Science Foundation
Ireland researchers

40% are available in
open access repository.

Economic Impact

Research investment supporting jobs and Ireland's economic future



Ireland is

1st in the world for knowledge diffusion

3rd in the world for knowledge and technology outputs

3rd in the world for knowledge impact

7th most innovative country in the world

(Global Innovation Index 2016)

€184m spend across SFI programmes generates:

▶ **€133m** leveraged non-exchequer funding

▶ €71m EU funding

▶ €45m secured from private enterprise  **18%**

SFI directly and indirectly supports **31,000 jobs** in Ireland.

40 Conferences and Workshops
Programme awards – **8,876**
international delegates.

Projected local economic value to Ireland

€10.5m

31% of SFI Investigator Programme awards published articles that were cited by patents, indicating strong innovation and knowledge transfer to industry.

Industry Collaborations



Science Foundation Ireland awards directly supported

1,603 industry collaborations

929 collaborations with **399 MNCs**

674 collaborations with **491 SMEs**

Education & Engagement

Promoting STEM careers and enabling people to join the conservation

1,600 Smart Futures volunteers have engaged with 110,000 students providing STEM careers advice.

550 Primary schools received SFI Discover Primary Science and Maths Awards



Science Week reached 250,000 people

across all 26 counties of the Republic of Ireland



Science Foundation Ireland researchers participated in:

2,300+ Media interviews

1,000+ Public lectures and demonstrations

1,000+ Visits to primary and secondary schools

SFI Discover Programme supported 44 projects through an investment of €2.8 million.

Talent & Skills

...supporting the next generation of our talent pipeline

4,239 People

working on Science Foundation Ireland supported research projects

1,441 Postgraduate students supported by Science Foundation Ireland

27% of PhD departures to industry as a first destination

32% of Postdocs to industry as first destination

▶ 53% of SFI team members are in the private sector 6-8 years post SFI award.



Partnerships

with international and national funders



SFI Research Centres

12 World-leading Centres of Scale and Excellence

Excellent
Science

Industry
Collaboration



Software
Pharma
Nanotechnology
MEDICAL DEVICES



Applied Geosciences
Digital Content

Industry commitment of €190 million | €355 million from SFI



Telecommunications
PERINATAL Energy
RESEARCH Nano Materials
Functional Foods



FOOD FOR HEALTH
BIG DATA | Marine Renewable Energy



International
Engagement

Talent
Skills

SFI Research Centres

Excellent Science

3,778 

Journal Publications

52

Coordination of Major EU Research Projects

2,278

Conference Publications

19 
ERC Awards



Talent & Skills

327 

PhD Graduates

33% 

of trainee departures with industry as first destination

48 

MSc/MEng Graduates



Economic Impact

+300

Collaborations with industry



13

Spinout Companies

+€132m 

Funding from non-exchequer sources

190

Enterprise Ireland Commercialisation Awards

+100

Licence Agreements

+€28m

Cash Received from Industry

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