



Rialtas na hÉireann
Government of Ireland

Disruptive Technologies Innovation Fund

Department of Business, Enterprise and Innovation

27 July 2018



The National Development Plan (NDP) under Project Ireland 2040 confirmed the establishment of a **€500 million Disruptive Technologies Innovation Fund (DTIF)**.



Projects should target National Strategic Outcome 5 – A strong Economy supported by Enterprise, Innovation and Skills



Other NSOs may also be targeted:

- 1. Compact Growth**
- 2. Enhanced Regional Accessibility**
- 3. Strengthened Rural Economies and Communities**
- 4. Sustainable Mobility**
- 5. A Strong Economy, supported by Enterprise, Innovation and Skills**
- 6. High-Quality International Connectivity**
- 7. Enhanced Amenity and Heritage**
- 8. Transition to a Low Carbon and Climate Resilient Society**
- 9. Sustainable Management of Water and other Environmental Resources**
- 10. Access to Quality Childcare, Education and Health Services**



DTIF is:

- An Irish Government Fund implemented through the Department of Business, Enterprise and Innovation (DBEI) and its agencies;
- €500 million in funding over 10 years;
- Competitive;
- Seeking to invest in the research, development and deployment of disruptive technologies and applications;
- Seeking applications for funding of €1 million plus.



YEAR	DTIF FUNDING AVAILABLE
2019	€20 million
2020	€30 million
2021	€40 million
2022	€90 million



What are we trying to do with the DTIF?

- Support enterprises in Ireland to **exploit the enterprise opportunities associated with “disruptive technologies”** by de-risking projects;
- Support enterprises in Ireland to **collaborate** together and with the public research system on disruptive technologies innovation;
- Build on research in Ireland and **leverage that research for commercial impact**;
- Foster deeper and wider **RD&I collaborations between the public and private sectors in key technology areas**;
- **Strengthen spin-out, spin-in and other start-up activity** associated with disruptive technology;
- **Prepare Irish enterprises and public bodies to engage in European and global partnerships** around the development and deployment of disruptive technologies.



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Scope of Call 1 – Research Priorities 2018-2023

These areas were confirmed by Government on 6 March 2018 – see:

<https://dbei.gov.ie/en/Publications/Publication-files/Research-Priority-Areas-2018-to-2023.pdf>

Themes	Priority Areas
ICT	Future Networks, Communications and Internet of Things, Data Analytics Management, Security, Privacy, Robotics, Artificial Intelligence (including Machine Learning), Augmented Reality and Virtual Reality, Digital Platforms, Content and Applications
Health and Wellbeing	Connected Health and Independent Living, Medical Devices, Diagnostics, Therapeutics
Food	Food for Health, Smart and Sustainable Food Production and Processing
Energy, Climate Action and Sustainability	Decarbonising the Energy System and Sustainable Living
Manufacturing and Materials	Advanced and Smart Manufacturing, Manufacturing and Novel Materials
Services and Business Processes	Innovation in Services and Business Processes



What are Disruptive Technologies?

Disruptive Technology has the potential to significantly alter markets, their functioning and the way businesses operate;

Disruption is about the combination of technology and business model innovation;

DTIF is about investing in projects that develop and deploy disruptive technologies to deliver new solutions for the Irish economy – projects funded will help to create the jobs of the future.



Examples of the (potential) application of disruptive technologies:

- Drone technology being examined to replace standard parcel delivery;
- Blockchain technology being used to track products throughout the supply chain – to be used in food supply;
- Imaging technology to support medical diagnosis;
- Sensor technology applied in an agricultural setting;
- Precision medication based on real time monitoring of physiological conditions.



What types of projects will be funded?

1. Projects of up to 3 years of scale and impact;
2. Large-scale projects in the range of €5-10 million total cost over 3 years, inclusive of enterprise co-funding, are encouraged. No maximum figure has been set but €180 million available to 2022;
3. SME participation is a requirement with at least 1 SME in every consortium;
4. Collaboration is an essential requirement;
5. Funding sought from DTIF by a collaboration should be at least €1 million;
6. Co-funding from enterprise partners will be required:
 - for companies and SMEs, funding may be granted for up to 50% of the eligible costs for industrial research (including overheads), i.e. DTIF can match company contributions 1:1;
 - for RPOs, funding may be granted for up to 100% of eligible costs plus overheads.



What projects will not be funded through DTIF?

- Projects that do not demonstrate that they are sufficiently disruptive nor benefit the Irish economy;
- Projects that do not demonstrate that they fit within the Research Priority Areas 2018-2023;
- Projects completely focussed on fundamental research with no potential commercial impact;
- Projects that do not involve SME participants.



To note:

- State Aid rules apply for grants to enterprise. DTIF Call 1 has been designed in the context of State Aid rules and national legislation;
- All partners in a consortium must have a presence in Ireland (establishment or branch in Ireland is required) in order to receive DTIF funding however partners not located in Ireland can still contribute to a consortium;
- Public sector organisations (excluding eligible RPOs) and not-for-profit organisations can be partners in a consortium but DTIF cannot match their contribution.

Collaboration Types



- Multinationals located in Ireland and Irish enterprises;
- Enterprises and Research Performing Organisations located in Ireland
- Any combination of the above
- An SME **must** be one of the participants;
- Other partners welcome to participate also but DTIF funding is limited to eligible enterprises and RPOs located in Ireland.





Project will be scored on:

- Strength of the Disruptive Technology Dimension – **one third** of the marks
- Economic and Market Impact (in 3 to 5 years) – **one third** of the marks
- Excellence of the Overall Proposal and Approach – **one sixth** of the marks
- Quality and Efficiency of the Collaboration – **one sixth** of the marks



Project Examples and Funding Models

1. Example of Small Proposal – 1 SME working with 1 RPO



	Co-Funding	DTIF Contribution	Total Budget
SMEs located in Ireland	€0.333m	€0.333m	€0.666m
RPOs located in Ireland	€0m	€0.667m	€0.667m
Total	€0.333m	€1m	€1.333m

Example assumes 1 SME working with 1 RPO but could be multiple SMEs with multiple RPOs

Min request for funding from DTIF

2. Example of Larger Proposal – 1 or more SMEs working with Large Enterprise(s) and RPO Partner(s)



	Co-Funding	DTIF Contribution	Total Budget
SMEs located in Ireland	€0.25m	€0.25m	€0.5m
Large Enterprises located in Ireland	€2.75m	€2.75m	€5.5m
RPOs located in Ireland	€0m	€2.0m	€2.0m
Total	€3.0m	€5.0m	€8.0m

3. Example of Larger Proposal – 1 or more SMEs working with Large Enterprise(s) and RPO Partner(s) and other self-financing participants



- Examples of other participants include:
- Enterprise partners located outside Ireland who contribute funding to project but which DTIF will not match.
 - Other partners (e.g. NGOs, public sector organisations) in Ireland participating based on own resources

	Co-Funding	DTIF Contribution	Total Budget
SMEs located in Ireland	€0.25m	€0.25m	€0.5m
Large Enterprises located in Ireland	€2.75m	€2.75m	€5.5m
RPOs located in Ireland	€0m	€2.0m	€2.0m
Other Participants	€2.0m		€2.0m
Total	€5.0m	€5.0m	€10.0m



Application Process

29 June 2018 -
DTIF EOI Launch

- Expressions of Interest Form and Reference Document published.

17 August 2018 –
Deadline for
submission of
EOIs

September 2018 -
Shortlisted
Applicants invited
to submit Full
Proposals

- EOIs are reviewed by experts and those meeting eligibility and the minimum threshold for the selection criteria invited to submit full project proposals or avail of feasibility funding.



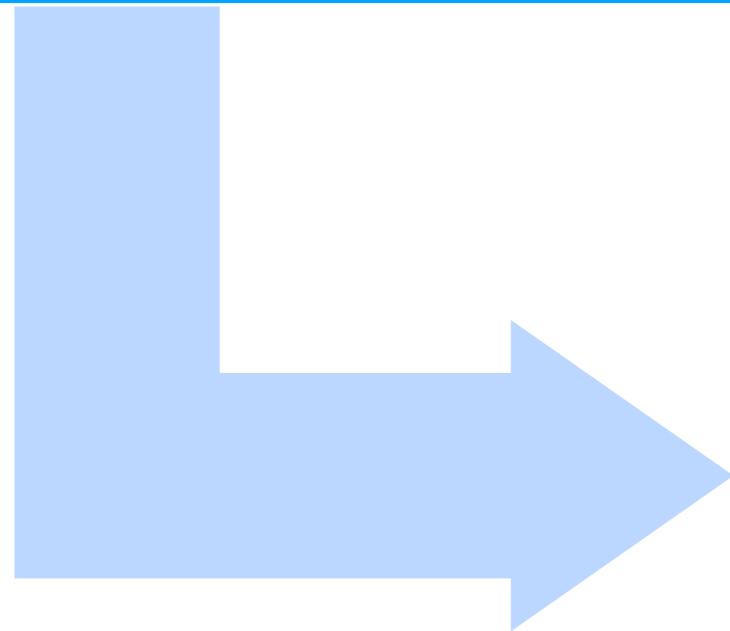
How will EOIs be reviewed?

- Ineligible applicants will be informed as soon as possible after 17 August 2018;
- In early September 2018, eligible applications will be reviewed by national and international experts. The possible outcomes at this **stage** are:
 - Applicants invited to submit a full application;
 - Applicants are invited to avail of feasibility funding for project development;
 - Applicants are informed that the project does not meet the selection criteria.

Applicants not proceeding can still apply for future calls under DTIF.

- Confirmation will be issued to applicants by mid-September 2018. They will then have a **4-week period to prepare and submit their full application.**

October 2018 -
Full Application
Assessment phase
(Technical and
Commercial)



End November
2018 - Minister
announces projects
to be funded under
DTIF in 2019



Full Applications

- Applicants invited to submit a full application will submit application by mid-October 2018;
- Full applications will undergo a technical and commercial assessment by the enterprise agencies;
- Following agency assessment, the Advisory Board and independent experts will consider the full applications;
- The international panel's recommendations as to the projects that should be funded and the level at which they should be funded will then be brought to the Minister for Business, Enterprise and Innovation for final approval;
- By end November 2018, successful applicants will be informed that they will receive funding in 2019 and the Minister will publicly announce the successful projects.



Post-award management

- The DTIF is a Government of Ireland fund and DBEI oversees its management and funding;
- EI will provide administrative support including:
 - Paying grants and feasibility funding grants;
 - Contracts with the consortium on overarching project issues and with individual partners on funding;
 - Disbursement of funding to each partner;
 - Evaluation and ongoing monitoring;
- DBEI will evaluate and monitor the DTIF in line with the Public Spending Code.



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Contact Details

Further details of the DTIF are available at www.dbei.gov.ie/DTIF

For General Queries: DTIF@dbei.gov.ie

Or Contact your agency representative in Enterprise Ireland, Science Foundation Ireland or IDA Ireland.



EOI Deadline:
3pm, 17 August
2018