Rialtas na hÉireann
Government of Ireland

Disruptive Technologies Innovation Fund

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Future Jobs 2019

- The Disruptive Technologies Innovation Fund falls under pillar 1 of the Future Jobs initiative which looks at embracing innovation and technological change.

- Future Jobs aims to secure Ireland's ongoing economic success as we shift our focus from the quantity of jobs created to creating quality, sustainable jobs.

DTIF is:

- A National Development Plan Fund under Project Ireland 2040 implemented through the Department of Business, Enterprise and Innovation (DBEI) with administrative support from Enterprise Ireland;
- €500 million in Govt. funding over 10 years with over €100 million yet to be allocated in the period to 2022;
- Competitive Fund for enterprise co-funded projects;
- Seeking to invest in the research, development and deployment of disruptive technologies and applications;

Government's aim with DTIF:

- Disruptive technologies will significantly alter the way we live and work and DTIF investment aims to help Ireland keep apace;

- DTIF seeks to inspire enterprise participation in the development and deployment of disruptive technologies;

- DTIF will support projects involving SMEs and large firms (including in partnership with public research bodies) around a "disruptive tech" agenda.

Project Ireland 2040
Projects should target National Strategic Outcome 5 –A strong Economy supported by Enterprise, Innovation and Skills

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**;

- **Prepare Irish enterprises and public bodies to engage in European and global partnerships** around the development and deployment of disruptive technologies.

Scope of Call 1 – Research Priorities 2018-2023

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

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

DTIF Call 1 Outcomes

- 300 applied with more than 900 partners!
- Highly competitive process – less than 100 brought forward for review by international panel
- Following 2-stage int. review process, 27 collaborative projects awarded funding to 2021;
- Almost €75 million awarded – subject to contract negotiations;
- Successful projects represent the health, food, ICT and manufacturing sectors in Ireland;
- 104 organisations working together in collaborative partnerships comprised of 2 to 13 partners;
- Most partnerships have 2 to 4 partners;
- Average award is approx. €3 million (over 3 years)

About Call 1

Examples of Projects Funded

- AI and machine learning to help treat Gastro-Intestinal diseases;
- Blockchain for technology product supply chains;
- Additive manufacturing (using 3-D Printing) for medical devices;
- Internet of Things to create secure, remote patient monitoring;
- AI to automate the creation of 3D models and worlds in AR/VR;
- Blockchain-enabled cooperative energy trading platform;
- New laser technology to disrupt optical telecoms;
- Photonics Manufacturing Pilot Line
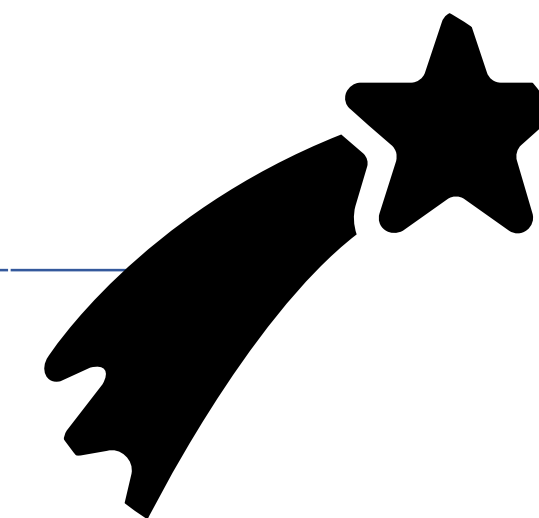
17 projects led by SMEs or Startups
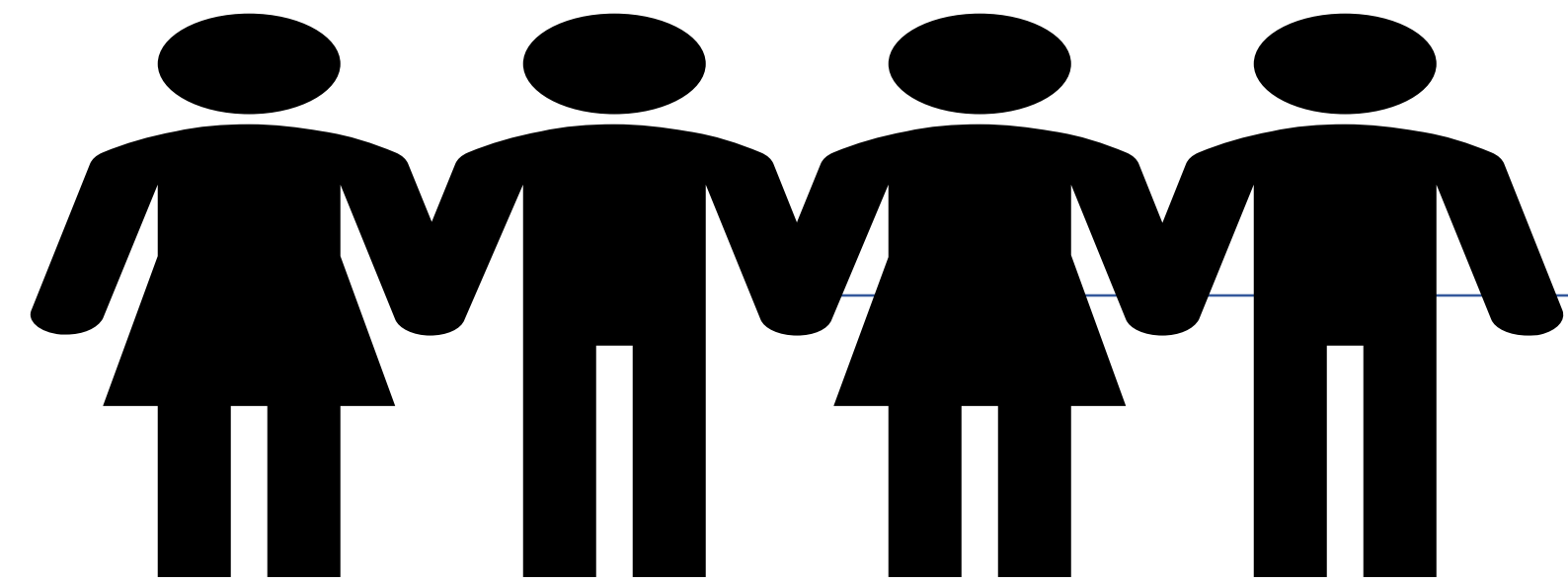
8 projects led by Research Performing Organisations
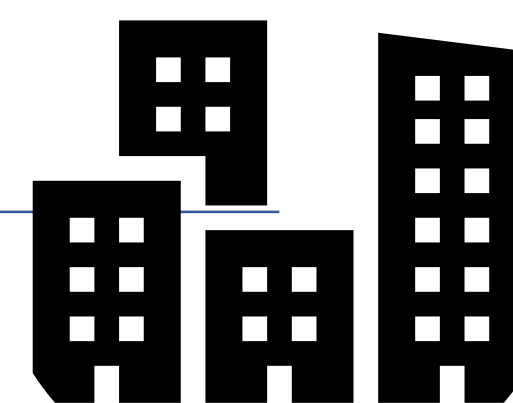
8 Multinationals involved as partners; 2 lead projects

Changes between Call 1 and Call 2

Call 1	Call 2
Minimum 2 partners with at least 1 SME	Minimum of 3 partners with at least 1 SME and one other enterprise partner
Minimum funding request of €1 million	Minimum funding request of €1.5 million
Research Performing Organisations (RPOs) including colleges and research institutes can receive up to **two-thirds of funding**	Research Performing Organisations (RPOs) including colleges and research institutes can receive up to **50% of funding**
Two stage process involving an Expression of Interest (EOI) stage and a Full Application Stage.	One- stage application process

About Call 2…
How will the proposals be scored?

- Strength of the Disruptive Technology Dimension (weighted);
- Economic and Market Impact (in 3 to 5 years) (weighted);
- Excellence of the Overall Proposal and Approach;
- Quality and Efficiency of the Collaboration

Types of Projects Sought in Call 2

- Lead partner and a strong project management structure;
- Collaborations delivering projects of scale with a minimum funding request from DTIF of at least €1.5 million over 3 years;
- Enterprise partners must provide matching funding;
- Collaborations having at least 3 partners with at least one SME and one other enterprise partner;
- Only clients of EI, IDA, Údaras na Gaeltachta or eligible RPOs can draw down funding;
- Collaborations that are not 'business-as-usual' – articulate the difference with your proposed project;
- Focus on industrial research (not fundamental research and not experimental development);
- Meaningful Collaborations – A single project not a bundling of individual projects.

DTIF Call 2 – Industrial Research and TRL levels

- **Projects submitted to the DTIF should meet the definition of 'industrial research' and are expected to fall within TRL levels 3 to 7 (see below).**

- **Projects must demonstrate sufficient novelty.**

Fundamental Research

Industrial Research

Experimental Development

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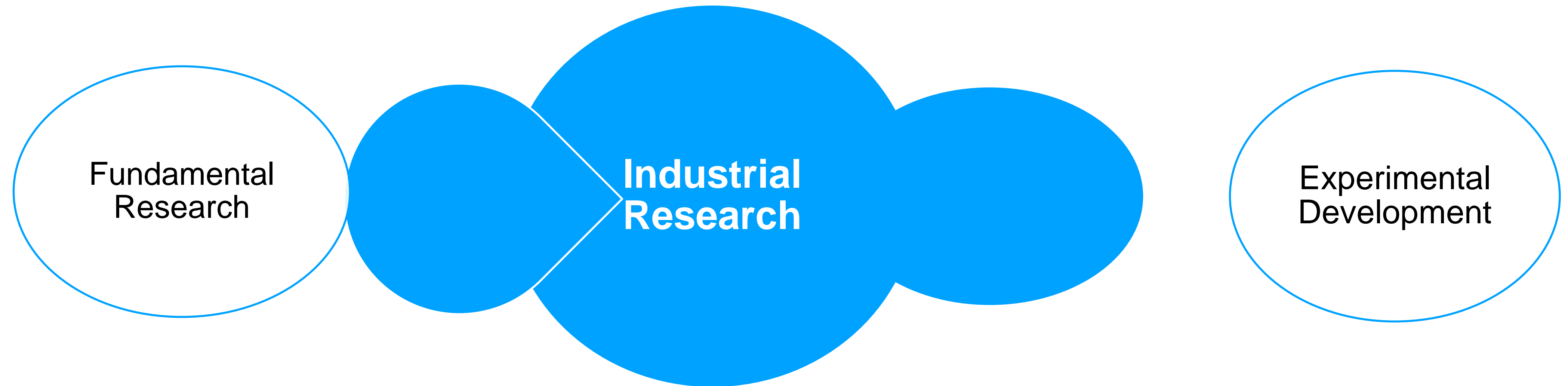
Project Examples and Funding Models for Call 2

1. Example of Small Proposal – 2 Enterprises working with 1 RPO

	Co-Funding	DTIF Contribution	Total Budget
Enterprises located in Ireland (including at least 1 SME)	**€0.75m**	**€0.75m**	**€1.50m**
RPOs located in Ireland	**€0m**	**€0.75m**	**€0.75m**
Total	**€0.75m**	**€1.5m**	**€2.25m**
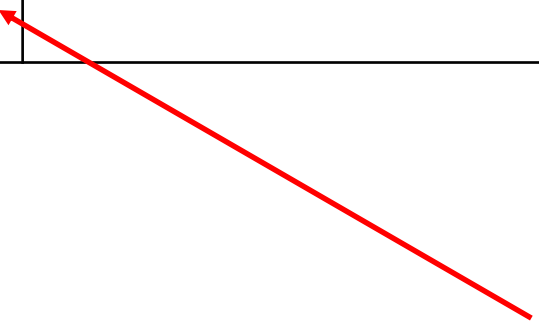
Min request for funding from DTIF in Call 2

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

To note:

- **Clinical Trials** – Clinical trial activity may be funded under DTIF up to pilot study (Phase 2a) and in line with the EU State Aid definition of 'industrial research';
- **Pre-finance** – Allowed for small companies where necessary and applicants must have sufficient non-committed assets to cover liability;
- **Early-stage companies** – Must have the operational and financial capacity to participate.

Call 2 Documents are now available on the DBEI website

DTIF CALL 2 ELIGIBILITY CRITERIA
1. The consortium is requesting funding from DTIF of at least €1.5 million over 3 years.
2. The consortium comprises at least 3 independent partners seeking funding from the DTIF including at least one SME5 and one other enterprise partner.
3. The application is based on the key parameters that enterprises can claim up to 50% of their eligible costs; RPOs can claim up to 100% of eligible costs; RPOs cannot receive more than 50% of the total DTIF funding in any collaboration.
4. Applicants must be clients or potential clients of Enterprise Ireland, IDA Ireland or Údarás na Gaeltachta or an eligible Research Performing Organisation (RPO). DTIF funding can only be drawn down by clients.

DTIF CALL 2 ELIGIBILITY CRITERIA (contd.)
5. All partners in the consortium have confirmed that they have the financial and operational capacity to participate.
6. The application has been received via the online application system before the closing date of 18 SEPTEMBER 2019 at 15:00 Irish Time.
7. The application is complete i.e. all sections of the application form completed.
8. Where an RPO is part of a consortium, the participation of researchers has been approved by an authorised signatory for the RPO (e.g. Vice-President/Dean of Research).

DTIF Call 2 Selection Process Timelines

- September 2019: Applications checked for eligibility;
- October 2019: All eligible applications will be reviewed by an international panel of experts;
- November 2019: Applications will be shortlisted for interview with international experts;
- Announcement of successful projects expected by end 2019.

What happens next?

- Access the guide and sample application form at dbei.gov.ie/DTIF
- Enterprise Ireland will arrange a webinar for **30 July 2019**
- Application Portal will be open by **30 July 2019**
- Application Deadline – **15.00 Irish Time, 18 September 2019**
- Expect to announce successful projects by end of 2019

![Rialtas na hÉireann / Government of Ireland]

Thank You

For Guide and details of application process: dbei.gov.ie/DTIF

For queries about the application process: dtif@Enterprise-Ireland.com

For updates: Follow the Department on Twitter: @EnterInnov
#FutureJobsIreland