

Guide to Horizon 2020

**Helping SMEs and researchers
connect across the island to access
European funding**

Horizon 2020 is the European Commission's €76bn investment in research and innovation to boost jobs and growth.



Guide to Horizon 2020

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Horizon 2020

Foreword

InterTradelreland is the only organisation which has been given responsibility by both Governments to boost North South economic co-operation to the mutual benefit of Northern Ireland and Ireland. Our vision is of a globally competitive enterprise environment in which Ireland and Northern Ireland co-operate to ensure the optimal utilisation of economic resources, particularly knowledge resources, to drive additional trade and wealth creation.

The European Union (EU) Research Framework Programmes play an important role in building such resources. It is widely accepted that collaborative research and innovation activities conducted on an international basis bring together resources and knowledge to enhance scientific excellence thus achieving greater success in addressing problems and identifying efficiencies.

With both Northern Ireland and Ireland reaching their funding targets from Framework Programme 7 (FP7), increased cross-border collaboration experienced in the latter half of the programme played an important part in achieving these targets. As a result the structures and supports introduced by InterTradelreland, the National Support Network in Ireland and the Northern Ireland Contact Point Network will continue into the FP7 programme's successor, Horizon 2020, to ensure full advantage is taken of the opportunities presented by North South collaboration.

"North South co-operation provides a unique opportunity for Northern Ireland and Ireland to increase participation in the EU's latest research framework programme, Horizon 2020. InterTradelreland will facilitate and assist the pursuit of this opportunity through a wide range of cross-border supports and co-ordinating activities." **Aidan Gough, Director of Strategy & Policy, InterTradelreland and Chair of the All-Island Steering Group for Horizon 2020.**

"The National Support Network in Ireland for Horizon 2020 will continue to operate on an All-island basis with a focussed and coherent approach to co-operation that will be mutually beneficial to both Ireland and Northern Ireland." **Imelda Lambkin, National Director for Horizon 2020 in Ireland.**

"Increasing North South collaboration will play an important part in supporting Northern Ireland success in Horizon 2020. The recently established Northern Ireland Contact Point Network welcomes the opportunity to cooperate with the National Support Network in Ireland and InterTradelreland to deliver maximum success to both jurisdictions." **Ciaran McGarrity, Chair of the Northern Ireland Horizon 2020 Steering Group.**

The InterTradelreland Guide to Horizon 2020 is intended to offer all participants - companies, researchers, academics and other organisations a brief introduction to Horizon 2020 and the opportunities presented by North South collaboration. The Guide offers up-to-date information on the Horizon 2020 programme and outlines the benefits of co-operation as well as providing sign-posting to the contact points for Horizon 2020 in Northern Ireland and Ireland. Also included is an overview of the specific opportunities for SMEs and the supports available from InterTradelreland designed to facilitate North South partnerships in Horizon 2020 as well as some useful links.

If you would like any further information on InterTradelreland's programmes please contact us on:
028/048 30834100 or info@intertradeireland.com

What is Horizon 2020?

Horizon 2020 is the European Union's (EU) new 7 year Research and Innovation programme with a budget of €76bn from 2014 to 2020.

In December 2013 The European Commission (EC) launched Horizon 2020, the successor programme to Framework Programme 7 (FP7). Within a dramatically changed financial environment, Horizon 2020 will provide direct stimulus to the European economy by boosting jobs and growth. It will secure the EU's science and technology base and industrial competitiveness for future decades, promising a smarter, more sustainable and more inclusive society.

The EC has made major efforts to open the framework programme to more participants e.g. in Horizon 2020, new instruments that are aimed specifically at industry have been created as well as a renewed focus on creating multi-disciplinary research teams.

The EC publishes the Horizon 2020 Work Programmes every two years against the three main areas as follows:

Excellent Science

Horizon 2020 will boost the EU's position as a world leader in science, attracting the best brains and helping our scientists collaborate and share ideas across Europe.

- European Research Council (ERC)
- Future and Emerging Technologies (FET)
- Marie Skłodowska-Curie Actions (MSCA)
- European Research Infrastructures (including e-infrastructures)

Industrial Leadership

To be best at what it does, Europe needs to invest in promising and strategic technologies and encourage businesses to invest more in research and innovation.

- Leadership in Enabling and Industrial Technologies (LEIT)
 - Information and Communication Technologies (ICT)
 - Nanotechnologies, Advanced Materials, Advanced Manufacturing and Processing and Biotechnology (NMPB)
- Space
- Access to Risk Finance
- Innovation in SMEs

Better Society

The EU has identified seven priority challenges where targeted investment in research and innovation can have a real impact on benefitting the citizen.

- Societal Challenges
 - SC1 - Health, Demographic Change and Wellbeing
 - SC2 - Food Security, Sustainable Agriculture and Forestry, Marine, Maritime and Inland Water Research and the Bioeconomy
 - SC3 - Secure Clean and Efficient Energy
 - SC4 - Smart, Green and Integrated Transport
 - SC5 - Climate Action, Environment, Resource Efficiency and Raw Materials
 - SC6 - Inclusive Innovative and Reflective Societies
 - SC7 - Secure Societies
- Spreading Excellence and Widening Participation
- Science with and for Society
- Additional Areas of Funding
 - European Institute of Innovation and technology (EIT)
 - Euratom

Each of the Horizon 2020 Work Programmes sets out the topics to be funded along with relevant deadlines and the available budget. Across Europe various stakeholders from industry, academia, institutes and other sectors are forming consortia to submit proposals against these topics to the EC in a competitive process.

The Work Programmes can be accessed at the EC's website at <https://ec.europa.eu/programmes/horizon2020/h2020-sections> and through the InterTradelreland Horizon 2020 App which can be found on our website www.intertradeireland.com.

What type of activity does Horizon 2020 fund?

There are four main types of Actions funded under Horizon 2020:

	Research & Innovation Action	Innovation Action	Coordination and Support Action	ERC Grants
Aim	Collaborative Research Projects	Produce plans & arrangements or designs for new, altered or improved products, processes or services	Accompanying measures (standardisations, dissemination, and policy dialogues etc.) no research	Support excellent investigators and their research teams to pursue ground-breaking, high-gain/ high-risk research
Minimum Conditions	≥3 legal entities from 3 Member States/ Associated countries	≥3 legal entities from 3 Member States/ Associated countries	1 legal entity	1 legal entity in Member States/Associated countries
Funding Rate	100%	70%	100%	100%
Typical Duration	36-48 months	30-36 months	12-30 months	60 months
Average EC Contribution		€2 - €5million	€0.5 - €2million	Starting: ≤ €2 million
				Consolidator: ≤ €2.75 million
				Advanced: ≤ € 3.5 million

What type of activity does Horizon 2020 not fund?

There are a number of project types that Horizon 2020 does not fund:

- Community projects or groups to carry out solely localised activities.
- Employment creation schemes.
- Small scale individual projects.

What is Horizon 2020?

Why is InterTradelreland involved?

North South collaboration in Horizon 2020 makes sense, especially since partnerships of this type provide two of the minimum three EU Member States typically required to participate in Horizon 2020.

Benefits of North South Partnerships in Horizon 2020:

- Strong collaborative offering to other potential EU partners
- No language barrier
- Logistics - easy movement of people and ideas
- High level of cooperation between the Support Networks in Ireland and Northern Ireland
- Two of the three EU member states typically required for Horizon 2020

How is InterTradelreland involved?

Since 2010, InterTradelreland has chaired the All-Island Horizon 2020 Steering Group that guides the collaborative actions taking place between InterTradelreland, the National Support Network in Ireland and the Northern Ireland Contact Point (NICP) Network to deliver increased North South applications to FP7 and Horizon 2020.

This is achieved by sharing information, resources and contacts to identify opportunities for joint events, communications, partnership opportunities and to develop new supports. Horizon 2020 applicants can apply for different types of support from one or more of these agencies at the same time.



InterTradelreland's current European objective is to increase the number of North South applications to Horizon 2020. InterTradelreland's supports for Horizon 2020 are available to companies, researchers, academia and other organisations. With a target drawdown of €175m for North South collaboration outlined in the All-Island Steering Group's Strategic Action Plan for North South collaboration in Horizon 2020, InterTradelreland's role in helping to achieve this is to continue to support the integration of the activities of both Support Networks so that opportunities for North South collaboration are provided and to develop effective cross-border initiatives that encourage this type of partnership.

Opportunities for SMEs

Opportunities for SMEs

Micro, small and medium-sized enterprises (SMEs) are the engine of the European economy. They are an essential source of jobs, create entrepreneurial spirit and innovation in the EU and are thus crucial for fostering competitiveness and employment. The EC has evidently recognised this with an increased budget for this type of participation when compared to FP7 and the creation of the new SME Instrument.

There are opportunities for SMEs to participate across all three pillars of Horizon 2020 with approximately 20% of the overall Horizon 2020 budget allocated to supporting SMEs across the industrial leadership and societal challenges pillars. However, in order to participate, the organisation must first meet the EU definition of an SME:

EU definition of an SME

The new SME definition (effective 1 January 2005)

The main factors determining whether a company is an SME are:

1. number of employees and
2. either turnover or balance sheet total

Company category	Employees	Turnover	or	Balance sheet total
Medium-sized	< 250	≤ € 50 m		≤ € 43 m
Small	< 50	≤ € 10 m		≤ € 10 m
Micro	< 10	≤ € 2 m		≤ € 2 m

These ceilings apply to the figures for individual firms only. A firm which is part of larger grouping may need to include employee/turnover/balance sheet data from that grouping too.

How can SMEs participate?

SMEs have two options in relation to participation:

1. An SME can collaborate with a minimum of two partners from other EU member states on a research or innovation project that will address a topic that appears in a Horizon 2020 work programme. Or;
2. An SME can either solely lead an application or form a collaborative consortium to apply to the SME Instrument.

The SME Instrument

For the first time an SME can apply to the EC for single entity support. The new SME Instrument is targeting potentially disruptive businesses to invest in and support. Applicants could receive up to €2.5 million in funding and world-class business coaching.

The EC is very clear about the types of industry participants they are trying to attract to the SME Instrument i.e.

- SMEs that require funding to demonstrate the commercial potential of a groundbreaking product, service or business model that work
- SMEs with plans to internationalise and grow

Applications to the SME Instrument must be at Technology Readiness Level (TRL) 6 or higher which means close-to-market activities and the application should focus on the business opportunity as well as than the project.

Technology Readiness Levels (TRL) are a method of estimating the technological maturity levels of an activity. The TRLs applicable to Horizon 2020 are:

TRL 1 – basic principles observed

TRL 2 – technology concept formulated

Opportunities for SMEs

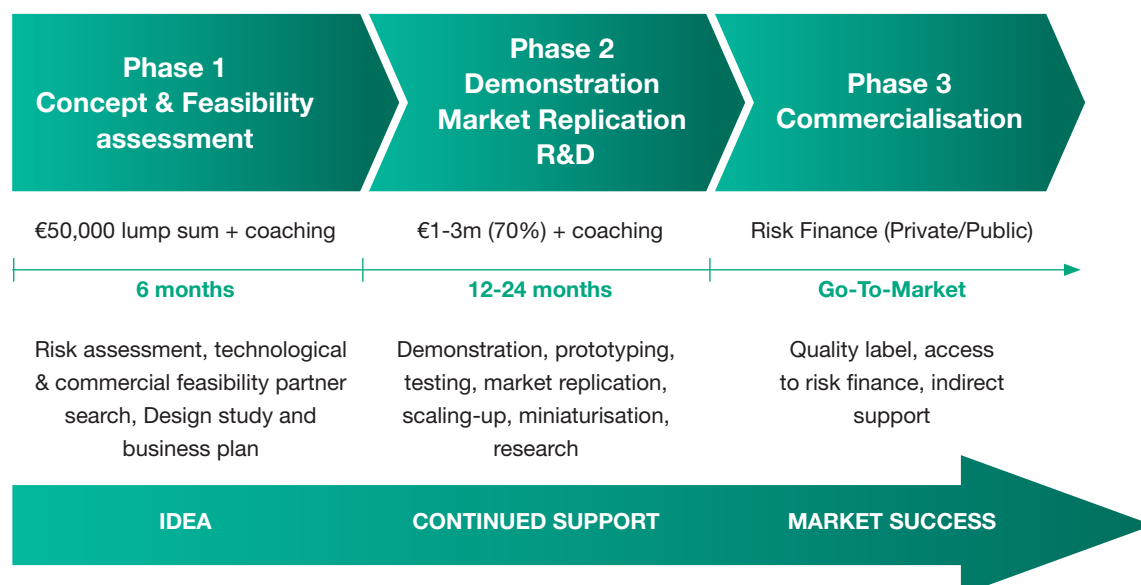
- TRL 3** – experimental proof of concept
- TRL 4** – technology validated in lab
- TRL 5** – technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- TRL 6** – technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- TRL 7** – system prototype demonstration in operational environment
- TRL 8** – system complete and qualified
- TRL 9** – actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space)

Positive indicators for potential SME Instrument activity include:

- The firm has Innovation expenditure in last balance sheet of at least 20% of the project cost
- The firm has been awarded grants, loans or guarantees from EU or National funds in last 2 years
- The firm has been awarded an innovation prize in the last 2 years
- The firm has registered a patent in the last 2 years
- The firm has received high-tech Venture Capital Investment
- The firm is based in a Science, Technology or Innovation Park
- The firm has received tax benefits linked to R&I investment in the last 2 years

The SME Instrument provides seamless business innovation support from idea to market in 3 phases as shown in the diagram below. There are **no deadlines** so applicants can apply at any time. Proposals can also be submitted directly to Phase 2 however, this is not possible for Phase 3.

Horizon 2020 SME Instrument Support Structure - €2.7bn



Further information is available at <http://ec.europa.eu/easme/en/horizons-2020-sme-instrument>

Opportunities for SMEs

Fast Track to Innovation (FTI)

This programme was first introduced in 2015 as a support measure for very close-to-market activities i.e. projects must be no more than 36 months from market and be at TRL 6 for technological innovations or TRL 9 for non-technical innovations. The FTI programme is business-driven and has a bottom-up approach which means there are no prescriptive topics to address. Activities are funded at 70% and consortia are expected to include 3-5 partners from at least 3 Member States and be industry-intensive with at least 60% of the budget going to industry partners or the majority of consortium members being businesses. The maximum funding is €3 million per project. Further details can be found at <https://ec.europa.eu/programmes/horizon2020/en/h2020-section/fast-track-innovation-pilot-2015-2016>

Eurostars

This programme is aimed at R&D performing companies as an ideal first step in international cooperation. Eurostars supports the development of new products and services in a collaborative partnership between partners in Member States. Project partners can include, SMEs, large companies and universities and research centres. A typical Eurostars project will have 3-4 participants, involve 2-3 countries, last for 29 months and receive funding of €1.4 million. Further details can be found at <https://www.eurostars-eureka.eu/>

Access to Finance

The specific objective of this programme is to help companies and other types of organisation engaged in research and innovation to gain easier access, via financial instruments, to loans, guarantees, counter-guarantees and hybrid, mezzanine and equity finance.

The latest work programme can be found at <http://ec.europa.eu/programmes/horizon2020/en/h2020-section/access-risk-finance>

Public-Public Partnerships (PPPs)

Public-Public Partnerships play an increasing role at the cutting edge of European and national research activities and Horizon 2020 has integrated strong interfaces to these initiatives. PPPs include:

- Joint Programming Initiatives
- Article 185 initiatives
- Era-Nets

It is beneficial for Horizon 2020 participants to be aware of the PPP initiatives for their respective areas and to know where and how to get involved. More details are available at http://ec.europa.eu/research/era/joint-programming_en.html

In addition to Horizon 2020, there are other relevant EU programmes that include industry:

COSME

COSME aims to promote the creation and growth of SMEs by:

- improving access to finance for SMEs in the form of equity and debt;
- improving access to EU and global markets;
- improving framework conditions for the competitiveness and sustainability of EU enterprises;
- promoting entrepreneurship and entrepreneurial culture;

The latest annual work programme can be found at http://ec.europa.eu/enterprise/initiatives/cosme/index_en.htm

Horizon 2020 Support Activities

InterTradelreland's supports for Horizon 2020 are available to companies, researchers and other organisations based in **Ireland or Northern Ireland** that are working on a cross-border basis for Horizon 2020. The type of support available includes 2 travel schemes, an advisory service to help with identifying and building North South partnerships, dedicated online resources and the Horizon 2020 event series.

North South Partnership Development

Cross-Border Voucher

The Cross-Border Collaboration Voucher offers applicants up to £500 each, valid for 6 months, towards travel and accommodation costs when exploring developing and establishing Horizon 2020 partnerships in the opposite jurisdiction.

EU Travel Voucher

The EU Travel Scheme offers applicants in a North South partnership up to £350 each per event towards travel and accommodation costs when attending Horizon 2020 related events, consortium meetings or EU Commission brokerage events taking place in Europe.

These travel schemes offer support to consortia during the pre-submission stage and if successful, during the period until the grant has been agreed.



Horizon 2020 App

The InterTradelreland Horizon 2020 App is a one-stop-shop for those interested in Horizon 2020. It promotes North South collaboration in Horizon 2020 by providing a platform for innovative SMEs, researchers, academic institutes and other organisations to interact.

Users of the App can:

- Find and link with a community of Academic and Industry Partners
- Build North South Partnerships for Horizon 2020
- Submit Specific Partner Requests
- Engage with the Support Networks
- Search Call Documents
- Receive Alerts to Calls and Deadlines
- Browse Horizon 2020 Events

The free App can be accessed via the InterTradelreland website or it is available to download onto mobile devices at the Apple, Windows and Android App stores.

EU Partnership Guide for the Arts, Social Sciences and the Humanities (ASSH)

The EC recognises that breakthrough solutions come from multi-disciplinary collaborations, including the arts, social sciences and the humanities. In Horizon 2020 there is a move towards better engagement between scientific and ASSH researchers to maximise the return to society from investment in science and technology. This represents a great opportunity for further collaboration on a North South basis.

The InterTradelreland EU Research Partnership Guide for the Arts, Social Sciences and Humanities is an online repository of profiles detailing the SSH expertise available in Ireland and Northern Ireland in areas such as Economics, Politics, Sociology, Psychology and Education.



Horizon 2020 Support Activities

Information Provision

In addition to publications like this Guide to Horizon 2020, InterTradelreland also offers the following:

Enquiry & Advice Service

The InterTradelreland enquiry and advice service helps you to find cross-border partners for Horizon 2020 and connect with the relevant National Contact Point or Northern Ireland Contact Point for your area.

Please email horizon2020@intertradeireland.com for more information.

Newsletter

The InterTradelreland All-Island Horizon 2020 Newsletter brings you a monthly round-up of all the latest Horizon 2020 news, supports and events with a specific focus on North South activity in the programme.

To subscribe, please email horizon2020@intertradeireland.com.

Case Studies

InterTradelreland has a bank of North South case studies from FP7 and the Horizon 2020 programme to highlight the benefits of this type of partnership and to showcase the research and innovation talent that exists across the island.

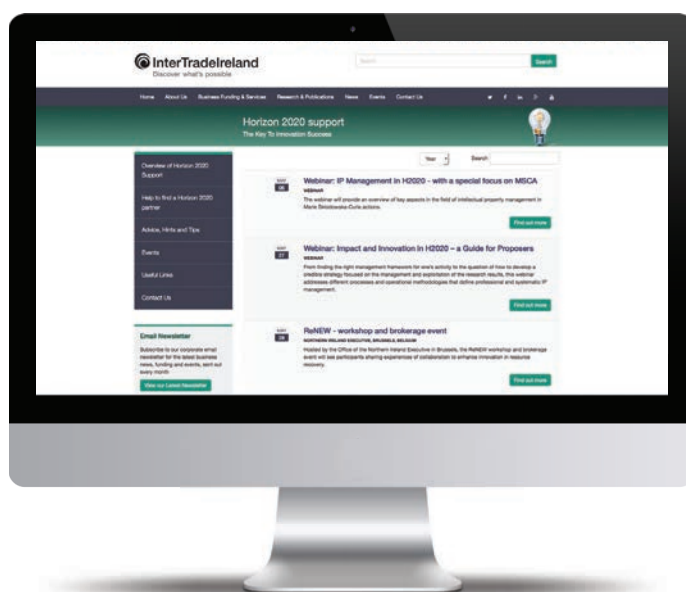
The video case studies can be viewed online at www.intertradeireland.com/horizon2020/north-south-case-studies

Events

InterTradelreland's all-island Horizon 2020 events provide an excellent opportunity to develop North South partnerships. In addition to the annual Collaborate to Innovate Conference, InterTradelreland has developed the 'Focus On' event series which concentrates on specific opportunities around topics in the Horizon 2020 Work Programmes. These invitation only events bring together key stakeholders from Ireland and Northern Ireland to explore the potential to develop future North South projects.

The InterTradelreland all-island events calendar provides an online listing of all the key Horizon 2020 or related events taking place across the island or in Europe, including events where InterTradelreland travel support is available.

The calendar is available at www.intertradeireland.com/horizon2020/events



Horizon 2020 Support Activities

Other sources of Support

As well as availing of InterTradelreland supports, companies and researchers from Northern Ireland and Ireland can also apply for:

Invest NI Project Definition Grant – Up to £15,000

This support is available to researchers and companies in Northern Ireland with a clear project idea who are committed to the preparation of Horizon 2020 or other collaborative project applications. Eligible costs can include; internal labour costs; flights and accommodation for meeting with EU partners; consultancy support for proposal writing/review and IP support. Contact Paul Matthews on 02890 698837 or paul.matthews@investni.com for further information.

Enterprise Ireland Coordinator Support (Academic Only) – Up to €12,500

The aim of this support scheme is to facilitate Irish academics in the preparatory work leading to a proposal for the coordination of any research project under the Horizon 2020 Programme. Eligible costs include: Coordinator (or internal approved staff) least-cost travel expenses and institutional subsistence rates; meeting costs; employment of a researcher for short-term analysis; professional services in the preparation of an application; strategy development and planning. Contact Catriona Ward on 01 7272007 or catriona.ward@enterprise-ireland.com for further information.

Cross-Border Innovation Vouchers

Both the Invest NI and Enterprise Ireland Innovation Voucher Schemes are open to Horizon 2020 participants from industry to explore potential partnerships with Knowledge Providers based in their own jurisdiction or in the opposite jurisdiction. A voucher is worth £4000 or €5000. Potential NI partners should contact Paul Matthews on 02890 698837 or paul.matthews@investni.com as Potential Irish industry partners should contact Jill Leonard on 01 7272751 or jill.leonard@enterprise-ireland.com

Northern Ireland Contact Point Network



The NICP network is a resource available to all potential applicants from Northern Ireland who are interested in engaging with Horizon 2020. The type of support available includes events/workshops, assistance with identifying relevant calls and collaborative partners for applications, and also financial and practical advice and support with the process itself.

www.h2020ni.com

NI Horizon 2020

NI Horizon 2020 Manager: Neill Wallace
Email: neill.wallace@detini.gov.uk Tel: 028 9052 9610

Information and Communication Technology (ICT)

Stefano Pozzi Mucelli
Email: s.mucelli@qub.ac.uk Tel: 028 9097 1423

Engineering

Ciarán Prunty
Email: c.prunty@qub.ac.uk Tel: 028 9097 3199

Stefano Pozzi Mucelli
Email: s.mucelli@qub.ac.uk Tel: 028 9097 1423

Connected Health

Shirley Davey
Email: s.davey@ulster.ac.uk Tel: 028 9036 8925

Societal Challenge 1 - Health, Demographic Change and Wellbeing

Patricia McCrory
Email: p.mccrory@qub.ac.uk Tel: 028 9097 1171

Societal Challenge 2 - Food Security, Sustainable Agriculture and Forestry, Marine, Maritime and Inland Water Research and the Bioeconomy

Elaine Groom
Email: Elaine.Groom@afbini.gov.uk Tel: 028 9025 5078

Societal Challenge 3 - Secure Clean and Efficient Energy

Dominic McLarnon
Email: D.Mclarnon@ulster.ac.uk Tel: 028 9036 8564

Societal Challenge 5 - Climate Action, Environment, Resource, Efficiency and Raw Materials

Caroline Barry
Email: caroline.barry@doeni.gov.uk Tel: 028 9025 6692

Societal Challenge 6 - Inclusive Innovative and Reflective Societies

Inmaculada Higuera
Email: i.higuera@qub.ac.uk Tel: 028 9097 1407

Societal Challenge 7 - Secure societies - protecting freedom and security of Europe and its citizens

Paula O'Neill
Email: Paula.ONeill@dojni.x.gsi.gov.uk Tel: 028 9016 9554

SMEs

Joanne Coyle
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Paul Matthews
Email: paul.matthews@investni.com Tel: 028 9069 8837

Northern Ireland Contact Point Network



Enterprise Europe Network (SME Instrument)

Andrew Millar

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InterTradelreland - North South Collaboration

Bernadette McGahon

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Carrie Small

Email: carrie.small@intertradeireland.com Tel: 028 3083 4172

Brussels based NICP network members

Farha Brahmi (EU R&D Executive)

Email: farha.brahmi@investni.com Tel: 0032 2290 1345

Úna Downey Senior EU Liaison Officer (Economy)

Email: una.downey@doeni.gov.uk Tel: 0032 2290 1334

National Support Network - Ireland



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The National Support Network is a resource available to all potential applicants from Ireland who are interested in engaging with Horizon 2020. The type of support available includes events/workshops, assistance with identifying relevant calls and collaborative partners for applications, and also financial and practical advice and support with the process itself.

www.horizon2020.ie

National Director for Horizon 2020

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Legal and Financial

Catriona Ward, Enterprise Ireland

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EXCELLENT SCIENCE Network Members:

European Research Council

Graeme Horley, Science Foundation Ireland

Email: graeme.horley@sfi.ie Tel: 01-6073118 Mob: 086 8567661

Paul Kilkenny, Irish Research Council (ASSH)

Email: pkilkenny@research.ie Tel: 01-2317143

Future and emerging technologies

Stephen O'Reilly, Enterprise Ireland

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Marie Skłodowska-Curie Actions

Jennifer Brennan, Irish Universities Association

Email: jennifer.brennan@iua.ie Tel: 01-6764948

Suzanne Miller-Delaney, Irish Universities Association (SFI-funded Research Centres)

Email: suzanne@iua.ie Tel: 01-676 4948

Euraxess Ireland

Jennifer Cleary, EURAXESS Ireland

Email: mobility@iua.ie Tel: 01-676 4948

Magda Wislocka, EURAXESS Ireland

Email: mobility@iua.ie Tel: 01-799 6031

European Research Infrastructures

Michael Ryan, Science Foundation Ireland

Email: michael.ryan@sfi.ie Tel: 01-6073200

INDUSTRIAL LEADERSHIP Network Members:

Leadership in enabling and industrial technologies (LEIT)

Information and Communications Technologies

Stephen O'Reilly, Enterprise Ireland

Email: stephen.oreilly@enterprise-ireland.com Tel: 021-4800217 Mob: 087 9281449

Gerard Kennedy, Enterprise Ireland

Email: gerard.kennedy@enterprise-ireland.com Tel: 061-777052 Mob: 087 6967478

Michael Murphy, Enterprise Ireland (cybersecurity)

Email: michael.murphy@enterprise-ireland.com Tel: 01-7272516 Mob: 086 8162588

Nanotechnologies, advanced materials and advanced manufacturing, and processing and biotechnology (NMPB)

Sergio Fernandez-Ceballos, Enterprise Ireland

Email: sceballos@enterprise-ireland.com Tel: 01-7272704 Mob: 087 9030037

Bob Flynn, Enterprise Ireland

Email: bob.flynn@enterprise-ireland.com Tel: 061-777050 Mob: 087 217083

National Support Network - Ireland



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Space

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SMEs

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Jill Leonard, Enterprise Ireland

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Enterprise Europe Network

Jan Gerritsen, Enterprise Europe Network – Ireland

Email: jan.gerritsen@enterprise-ireland.com Tel: 01-7272729 Mob: 087-9146117

Access to Risk Finance & Liaison office in Brussels

Evelyn Smith, Enterprise Ireland

Email: evelyn.smith@enterprise-ireland.com Tel: 00322-6739866 Mob: 0032 490 44 46 12

BETTER SOCIETY Network Members:

Societal Challenge 1 - Health, demographic change and wellbeing

Kay Duggan-Walls, Health Research Board

Email: kdugganwalls@hrb.ie Tel: 01-2345187

Ciarán Duffy, Enterprise Ireland

Email: ciaran.duffy@enterprise-ireland.com Tel: 01-7272760 Mob: 087 6875359

Societal Challenge 2 - Food security, sustainable agriculture, marine and maritime research and the bio-economy

Patrick Barrett, Department of Agriculture, Food & the Marine

Email: Patrick.barrett@agriculture.gov.ie Tel: 01-6072302 Mob: 086 3439245

Fiona Grant, Marine Institute

Email: Fiona.grant@marine.ie Tel: 091 387 200

Societal Challenge 3 - Secure, clean and efficient energy

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Societal Challenge 4 - Smart, green and integrated transport

Bob Flynn, Enterprise Ireland

Email: bob.flynn@enterprise-ireland.com Tel: 061-777050 Mob: 087 2170830

Societal Challenge 5 - Climate action, environment, resource, efficiency and raw materials

Alice Wemaere, Environmental Protection Agency

Email: a.wemaere@epa.ie Tel: 01-2680146 Mob: 087 996 6862

Mark Sweeney, Enterprise Ireland

Email: mark.sweeney@enterprise-ireland.com Tel: 01-7272616 Mob: 087 2757654

Societal Challenge 6 - Europe in a changing world; inclusive, innovative and reflective societies

Paul Kilkenny, Irish Research Council

Email: pkilkenny@research.ie Tel: 01-2317143

National Support Network - Ireland



Societal Challenge 7 - Secure societies - protecting freedom and security of Europe and its citizens

Michael Murphy, Enterprise Ireland

Email: michael.murphy@enterprise-ireland.com Tel: 01-7272516 Mob: 086 8162588

Spreading excellence and widening participation & European Institute of Technology (EIT)

Catriona Ward, Enterprise Ireland

Email: catriona.ward@enterprise-ireland.com Tel: 01-7272007 Mob: 087 3767710

Science with and for society

Alva O Cleirigh, Science Foundation Ireland

Email: Alva.OCleirigh@sfi.ie Tel: 01-6073200

InterTradelreland North South Collaboration

Bernadette McGahon

Email: bernadette.mcgahon@intertradeireland.com Tel: 048 30834168

Carrie Small

Email: carrie.small@intertradeireland.com Tel: 048 3083 4172

Useful Links



Catalogue of Environmental Research Expertise in Ireland

The Catalogue of Irish Expertise in Environmental Research provides an insight into Irish companies and research organisations from Ireland and Northern Ireland active in the field of environmental research. You can view and search the profiles of Irish researchers and companies; register your profile; keep it up-to-date; but also post your partner search request or expression of interest in a specific call

<http://erc.epa.ie/h2020catalogue/#.U7LLtvlidXNE>



Cordis: Community Research & Development Information Service

Cordis provides information on EU funded research programmes, news, events and publications including the research* eu magazine which is published 10 times per year.

http://cordis.europa.eu/home_en.html



Enterprise Ireland

Enterprise Ireland is the government organisation responsible for the development and growth of Irish enterprises in world markets. We work in partnership with Irish enterprises to help them start, grow, innovate and win export sales on global markets.

www.enterprise-ireland.com/en

Useful Links



EURAXESS

EURAXESS 'researchers in motion' provides support for three key areas; Researchers, University Graduates (PhD), and those in Business.

For researchers it offers a unique web portal providing access to a complete range of information and support services for European and non-European researchers wishing to pursue research careers in Ireland and across Europe.

For Graduates it provides a custom designed interface for Doctoral and research students

For Businesses it provides a custom designed interface for users in the private sector highlighting the opportunities and services for companies.

www.euraxess.ie/



European Commission Horizon 2020

The European Commission's main website for the Horizon 2020 programme providing background information on the programme, timeline, events and videos

http://ec.europa.eu/research/horizon2020/index_en.cfm



European Research Council (ERC)

The ERC is funded under the Excellent Science pillar of Horizon 2020. The main goal of the European Research Council is to encourage high quality research in Europe through competitive funding. In this section you can find out more about the ERC and the vital role it plays in supporting European leadership in world class research.

<http://erc.europa.eu/>



Executive Agency for Small and Medium-sized Enterprises (EASME)

On behalf of the EC, EASME manages several EU programmes including the SME Instrument, Fast-track-to-Innovation and COSME.

<http://ec.europa.eu/easme/en/executive-agency-small-and-medium-sized-enterprises-easme>

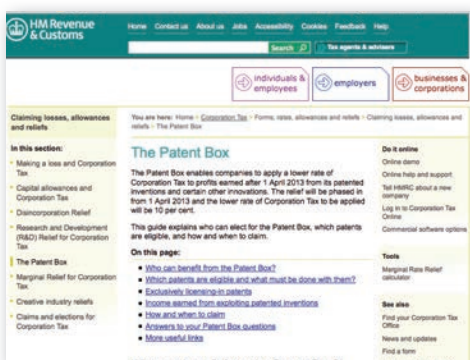
Useful Links



Fit for Health

Fit for Health 2.0 aims to sustainably enhance the participation of European industry, in particular research intensive, high-technology SMEs in the health-related theme of Horizon 2020.

<http://www.fitforhealth.eu/>



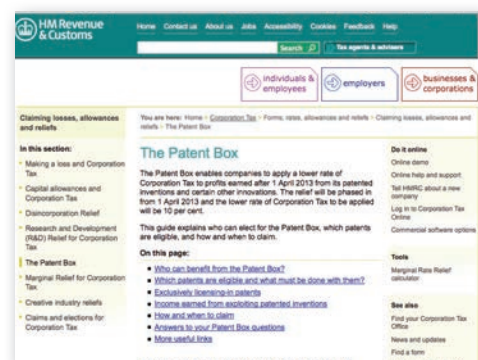
HMRC NI (Patents)

- The Patent Box enables limited companies to apply a 10% rate of Corporation Tax to profits earned after 1 April 2013 from its qualifying patented inventions and certain other innovations.
- You can benefit from the Patent Box if your company owns or exclusively licenses in patents granted by the UK Intellectual Property Office, the European Patent Office and certain other European Economic Area countries.

David Stewart from HMRC's NI Corporate Tax Office is available locally to help with any aspect of the R&D and Patent Box reliefs.

Telephone 03000 599000 or email david.r.stewart@hmrc.gsi.gov.uk

<http://www.hmrc.gov.uk/ct/forms-rates/claims/patent-box.htm>



HMRC NI (R&D Tax Relief)

'Horizon 2020 is not a Notified State Aid therefore, NI SME companies may also be eligible to claim R&D Tax Relief of:

- 225% under the SME Scheme for their own qualifying R&D expenditure and
- 130% under the Large Company Scheme for the qualifying R&D expenditure funded by the Horizon 20:20.

The large company scheme includes a 10% "above the line" research and development expenditure credit which has been introduced for expenditure incurred on or after 1 April 2013. It will initially be optional, running alongside the enhanced deduction scheme which it will replace in April 2016

David Stewart from HMRC's NI Corporate Tax Office is available locally to help with any aspect of the R&D and Patent Box reliefs.

Telephone 03000 599000 or email david.r.stewart@hmrc.gsi.gov.uk.

<http://www.hmrc.gov.uk/nircto/invest-in-ni.pdf>

Useful Links



Horizon 2020 FAQ's

A complete listing of all the frequently asked questions on Horizon 2020 received by the European Commission.

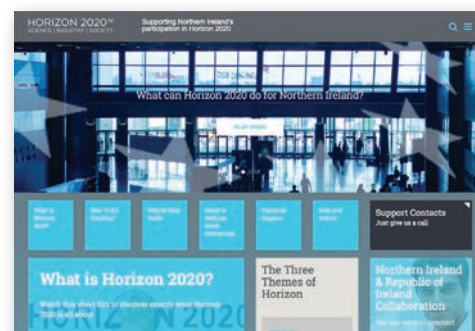
<http://ec.europa.eu/programmes/horizon2020/en/>



Horizon 2020 Ireland

A resource based website for the Horizon 2020 programme providing background information on the programme, event details and sign posting the support available for Irish applicants.

<http://www.horizon2020.ie/>

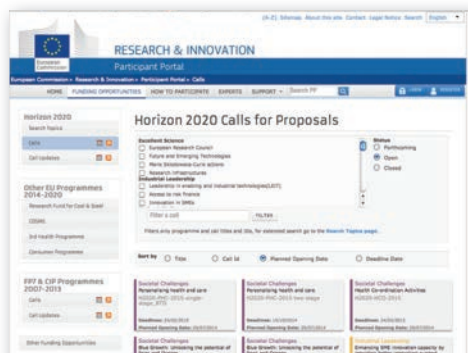


Horizon 2020 Northern Ireland

This site will provide up to date information on events, links and contacts of note for those based in NI and looking to apply in to Horizon 2020.

www.h2020ni.com

Useful Links



Horizon 2020 Participant Portal

The European Commission's Participant Portal for the Horizon 2020 Programme with information on call proposals under the pillars of Excellent Science, Industrial Leadership, Societal Challenges and Additional Areas of Funding including Euratom and European Institute of Innovation and Technology (EIT)

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html>

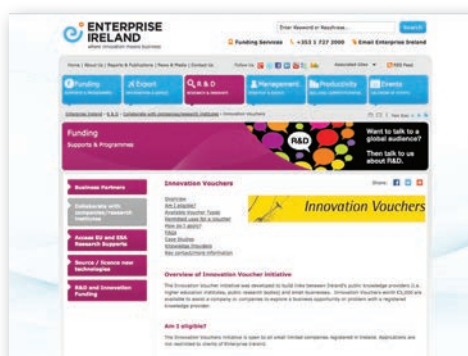


ICT Partner Search Network- Ideal-ist

Ideal-ist offers high expertise in proposal writing and project management : A network of over 65 National Contact Points (NCPs) in the ICT theme and organisations appointed by them are supporting proposers.

- long-standing experience in EU Framework programmes (Ideal-ist was established 1996)
- a unique quality labelled partner search tool to connect newcomers and experienced researchers
- an international Quality team to support proposer e.g. to better focus proposals
- Ideal-ist information services : Newsletter, press releases, Work Programme information
- Brokerage events to pre-schedule meetings at big events

<http://www.ideal-ist.eu/>

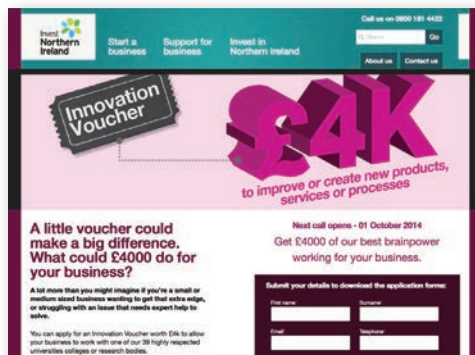


Innovation Vouchers Ireland

The objective of the Innovation Voucher initiative is to build links between Ireland's public knowledge providers and small businesses and create a cultural shift in the small business community's approach to innovation.

<http://www.innovationvouchers.ie/>

Useful Links

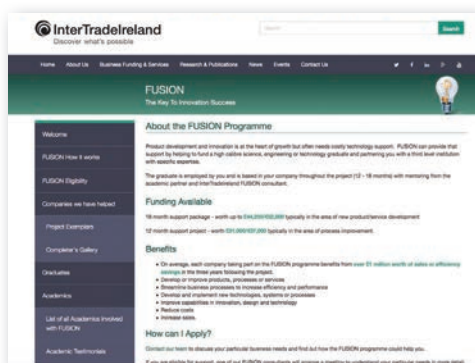


Innovation Vouchers Northern Ireland

An Invest Northern Ireland Innovation Voucher lets you tap into specialist knowledge to develop forward-thinking solutions or ideas to expand, improve or create new products, services and processes that will help you compete more effectively.

You can team up with one of 39 respected universities, colleges and research organisations throughout Northern Ireland and the Republic of Ireland. These are called Knowledge Providers.

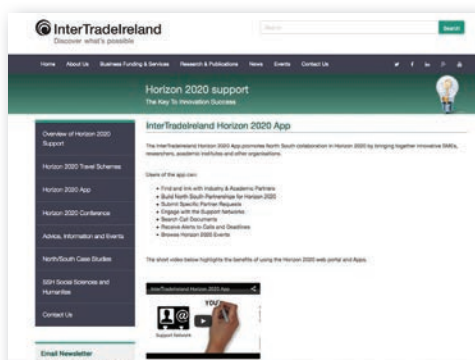
<http://www.innovationvouchers.com/>



InterTradelreland FUSION

FUSION, InterTradelreland's all-island technology transfer programme, can help you to bolster your business's bottom line and get ahead of the competition by partnering your company with a third-level institution with the specialist expertise you need and a high calibre science, engineering or technology graduate.

<http://www.intertradeireland.com/fusion>



InterTradelreland Horizon 2020 App

InterTradelreland has developed this web portal and mobile App as a one-stop-shop for those interested in Horizon 2020. Users of the App can build partnerships with other users, access call documentation, event information and Horizon 2020 news as well as contact details for key members of the support networks from both jurisdictions.

http://www.intertradeireland.com/horizon2020/h2020_app/

Useful Links



Invest Northern Ireland

Invest NI's Collaborative R&D advisors can help by:

- Identifying the most appropriate funding scheme for you
- Helping you develop a high quality application to increase your chance of getting funding
- Giving you funding to help with the cost of the application process
- Providing advice on UK and EU funding rules, regulations and eligibility criteria
- Helping you find the right partners
- Signposting you to further specialist advice

<http://investni.com/>



Knowledge Development Box - Ireland

In January 2015, the Department of Finance in Ireland launched a public consultation paper on the development of Ireland's Knowledge Box Scheme that involves enticing companies to do business in Ireland by allowing them to apply a reduced corporation tax rate to any profits earned from qualifying patented inventions and certain other innovations.

http://www.finance.gov.ie/sites/default/files/Knowledge_Development_Box_%20Finance_consultation_finalweb%20cover_0.pdf



NET4SOCIETY

NET4SOCIETY is the international network of National Contact Points for the Societal Challenge 6 ("Europe in a changing world: inclusive, innovative and reflective societies") in Horizon 2020. National Contact Points (NCPs) are set up to guide researchers in their quest for securing EU funding.

<http://www.net4society.eu/index.php>

Useful Links



NMPTEAM

The core objective of the 'Nanosciences, Nanotechnologies, Materials and new Production Technologies (NMP)' theme is to improve the competitiveness of European industry and generate the knowledge needed to transform it from a resource-intensive to a knowledge-intensive industry. NMP research also aims to strengthen the competitiveness of European industry by generating 'step changes' in a wide range of sectors and implementing decisive knowledge for new applications between different technologies and disciplines.

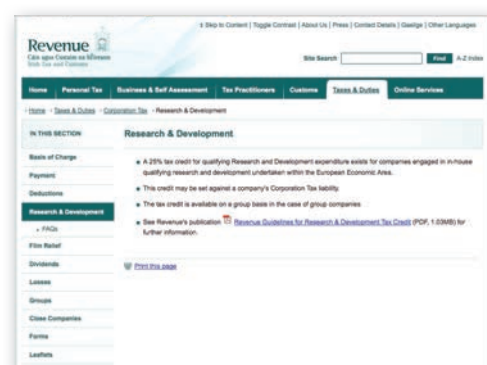
<http://www.nmpteam.com/>



Security Research Map Database (SeReMa)

Security Research Map Database (SeReMa) aims to increase the visibility of security related research in Europe and to optimise the networking between research facilities, universities, public authorities, end users, suppliers of security solutions and operators of critical infrastructures.

<http://www.security-research-map.eu/>



R&D Tax Credits in Ireland

The Office of the Revenue Commissioner's website provides information and guidelines on the R&D tax credits available to companies in Ireland.

<http://www.revenue.ie/en/tax/ct/research-development.html>

Useful Links



Research Enquiry Service

By their very nature the European Union's research programmes are quite complex. The European Commission's Research Enquiry Service is here to help those who can't find the answer to their research questions on the European Commission's online participant portal.

<http://ec.europa.eu/research/index.cfm?pg=enquiries>

Access Horizon 2020

InterTradeIreland is helping companies and researchers from Ireland and Northern Ireland to collaborate in Horizon 2020.

How?

- Travel Supports
- Horizon 2020 App
- Partner Searching
- Advisory Service
- Events and Information

To find out more visit: intertradeireland.com/horizon2020



Unlock a bright future

InterTradelreland is the only organisation which has been given responsibility by both Governments to boost North South economic co-operation to the mutual benefit of Northern Ireland and Ireland.

InterTradelreland is a powerful resource for business growth, helping SMEs through a strong mix of business intelligence, funding support and meaningful contacts

InterTradelreland will endeavour to facilitate requests for alternative formats of this publication including Irish Language, Ulster Scots, Braille, disk and audio cassette.

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