

Enterprise Ireland RD&I Supports

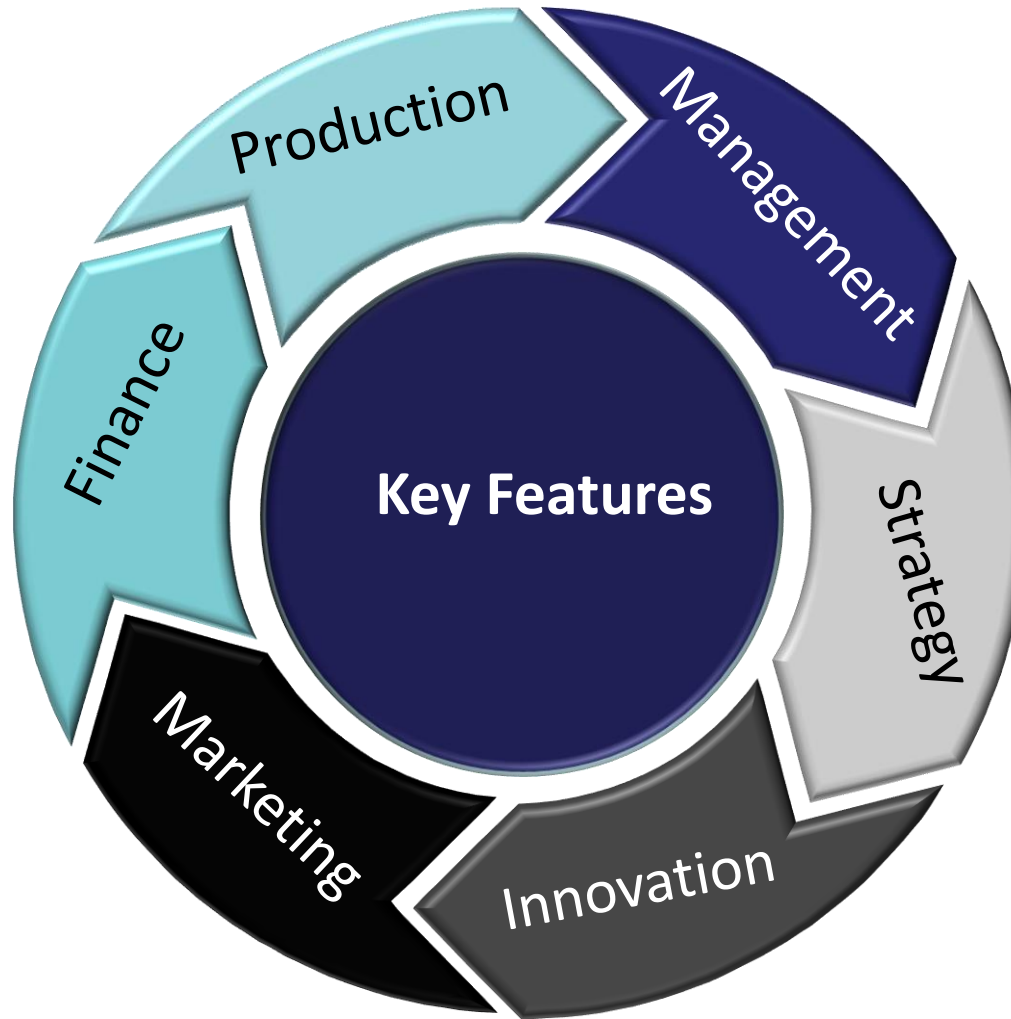


Mark Sweeney
June 2015

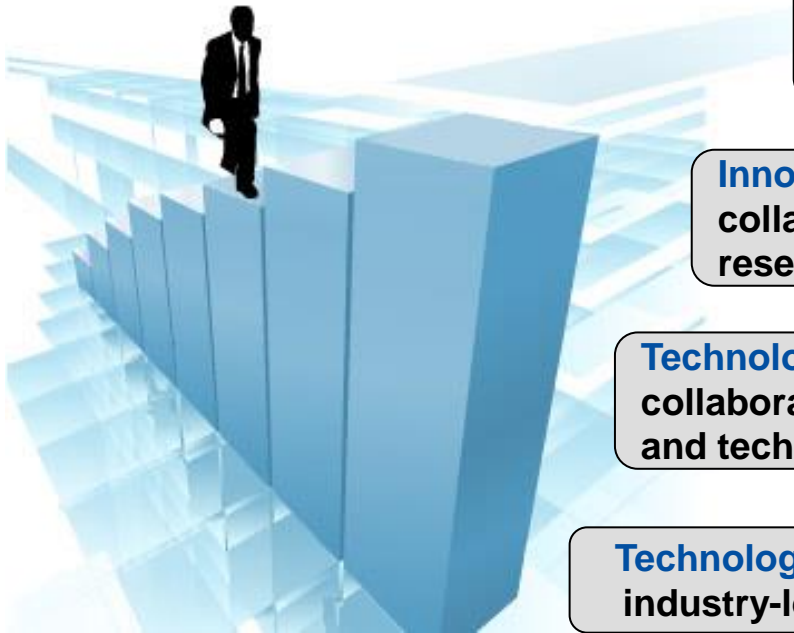
Enterprise Ireland's Primary objective



How Enterprise Ireland works with companies



Innovation RDI Supports



Innovation Vouchers

€5,000 for small companies to get innovative solutions to technical and business challenges

R&D Fund

Supports companies to develop novel products and services

Innovation Partnerships

collaborative projects between companies and research teams in Higher Education

Technology Gateways

collaborate in clusters of companies and access equipment and technology in Institutes of Technology

Technology Centres

industry-led research in emerging technology sectors

Horizon 2020

European RDI Funding Programme

Innovation Vouchers

- Aims to Build Links between Knowledge Providers and Small Businesses (must be Limited Company).
- Voucher (€5,000) can be exchanged for Advice and Expertise from Ireland's public Knowledge Providers

Projects:

Require Innovative Solution

Provide Additional Value for the Business

Have On-going Benefits



Innovation Vouchers

- Maximum 3 vouchers
- Companies who have been approved €300k in last 5 years are not eligible (can use fast track)
- One active voucher
- Companies should ensure that the voucher has been redeemed by the knowledge provider before applying for a subsequent voucher.

OPTION 1: Standard Applications

Call Schedule - Open Calls for Standard Innovation Voucher Applications in 2015	
Opening Date	Closing Date
Wednesday 14th January, 2015	Wednesday 28th January, 2015 at 3pm
Wednesday 6th May, 2015	Wednesday 20th May, 2015 at 3pm
Wednesday 9th September, 2015	Wednesday 23rd September, 2015 at 3pm
<i>Further calls will be announced during 2016.</i>	

OPTION 2: 50-50 co-funded Fast Track

- may be submitted anytime.

R&D Fund

The R&D Fund exists to support projects which have the potential to develop novel products and services with a clear competitive advantage in their target market.

The R&D Fund helps companies to achieve the following:

- A demonstrable connection between R&D and the overall business objectives.
- A culture of innovative thinking throughout the company which aims to harness the creativity of all the staff towards defined business goals.
- A significant ongoing/established R&D budget.
- An established R&D team with high level skills.
- High quality facilities for R&D.
- Good quality R&D management systems and procedures.

R&D Fund

- Irish based manufacturing or internationally traded services company which can show adequate cash resources to implement the proposed R&D project.
- The maximum R&D grant that a company can receive is €650,000

R&D Fund - Standard Projects	Small companies	Medium companies	Large companies
Maximum funding for projects that are innovative and technically challenging involving significant risk	45%	35%	25%
A collaboration bonus of up to 15% is available for innovative projects where there is collaboration between two companies, but the total maximum funding cannot exceed 50% of the total project cost.			

R&D Fund

R&D Fund: Small Projects – Grant up to €150,000

- Establish or increase R&D activity leading to an on-going R&D commitment in driving company development.
- A demonstrable connection between R&D and the overall business objectives.
- A culture of innovative thinking throughout the company which aims to harness the skills of all staff towards defined business goals.
- Establish or increase the R&D capability of a company.
- Establish or develop quality R&D management systems and procedures.

Innovation Partnerships

A Company based in Ireland . . .



.... that is targeting new or improved products, processes, services, knowledge or know-how...

...can access expertise from research teams across Ireland...





...and up to 80% of the research costs can be paid for by the ...



INNOVATION PARTNERSHIP PROGRAMME

collaborating for future success
an **Enterprise Ireland** programme



Who uses an Innovation Partnership?



A company that has identified a commercial opportunity for an innovative product, process or service that it needs to develop.
(clients of EI, IDA, LEO, Udaras)



That company does not have the relevant resources in terms of skills, experience, headcount or revenue to manage the R&D work alone.



The Innovation Partnership Programme supports the company through funding towards the cost of accessing top Irish Academic Institutes to do R&D work relevant to the company.

Funding Rates

Type of
Research

Small
Company

Medium
Company

Large
Company

Industrial
Collaborative
Research

80%

75%

65%

Experimental
Collaborative
Development

60%

50%

40%

Every company partner will be expected to pay **20%** of the project costs in cash

Company Size



1–50
employees

Annual Turnover
and/or Balance Sheet

Not exceeding
€10M



50–249
employees

Annual Turnover
Not exceeding
€50M

Balance Sheet
Not exceeding
€43M

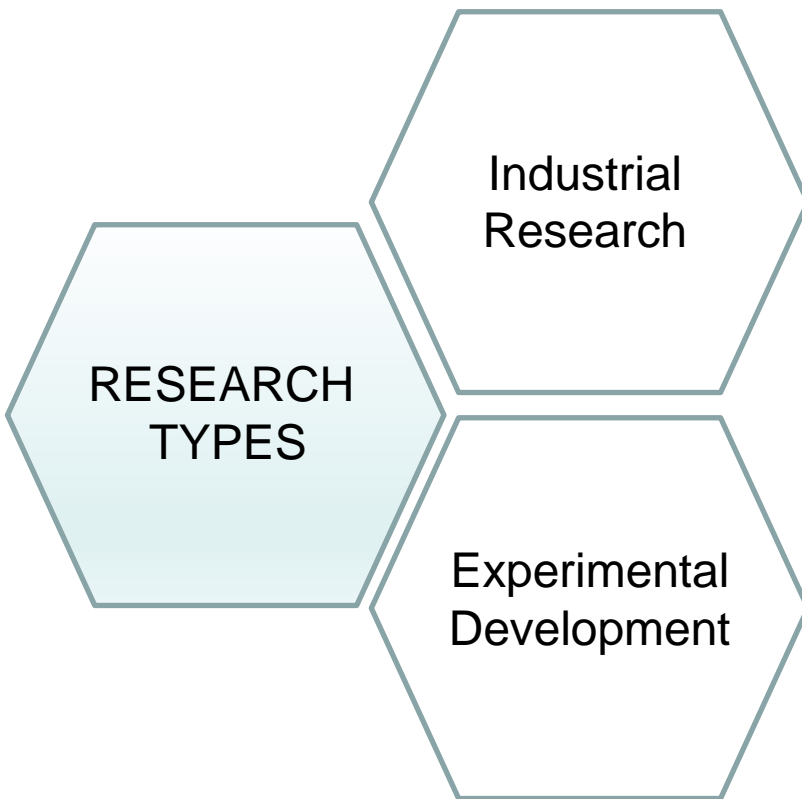


Greater than
250
employees

Annual Turnover
Greater than
€43M

If a company is part of a group the employee, turnover, annual balance sheet and ownership limits apply to the group.

Research Category



Industrial Research: research and investigation aimed at discovering **new knowledge** useful in developing new products, processes or services, or in bringing about a *significant improvement* to existing products, processes or services.

Experimental Development: drawing on **existing knowledge** gained from research and/or practical experience directed towards producing plans & arrangements or designs for new, altered or improved products. This work leads to a product which could be commercialised *without significant additional development*.

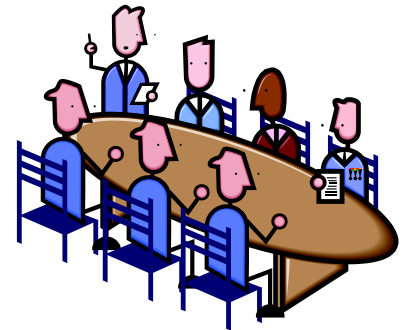
Application Process (Route 1)



Outline Proposal



Full Proposal



IRCC

Commercial Logic



DA

Commercial Assessment



Programme Remit



IPP Team

Programme Remit



Good Academic Match



Technical Assessor

Technical Assessment



Application Process (Route 2)



Feasibility Study

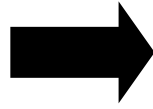
100% EI Funded

€9,000

2 weeks to 6 months

Fast Approval

Not a 'Bigger Voucher'!



Full Proposal

Technically Feasible



De-Risk Tasks



Map IP Landscape



New Route – Innovation Partnership Express



Outline Proposal



**Express
Proposal**

Total Cost \leq €85K

EI Contribution \leq €68K

1st Time IPP

SMEs

Agency Clients

Statistics 2014

Projects Approved in 2014: **66**

Different **Companies** approved for Innovation Partnership: **66**

Multiparty company projects: **3**

Companies involved in **more than one** IPP: **4**

Average EI Contribution per project 2008-2013: €135K approx.

Average EI Contribution per project 2014: €150K approx.

[Play Video >>](#)

More Information

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Technology Gateway Programme

Enterprise Ireland in partnership with the Institutes of Technology has established a nationwide network of 12 Technology Gateways which:

- Deliver technology solutions for Irish industry close to their market needs.
Are open access points for industry of all sizes
- Act as a portal to the wider resources in the Irish research infrastructure
Have a proven track record of delivering for industry
- >1,000 industry projects completed since 2008 with over 450 Irish based companies.
The total value of these projects is in excess of €13 M with 42% of the total directly coming from industry.

Technology Gateway Programme - www.technologygateway.ie

Technology Gateway Network



[Accessing the Technology Gateways – a Guide for Companies \(pdf\)](#)

Technology Centre Network

- Government-funded initiative to develop the innovation and R&D capabilities of companies in Ireland delivered jointly by Enterprise Ireland and IDA Ireland.
- Technology Centres are collaborative entities established and led by industry.
- They are resourced by highly qualified researchers associated with research institutions who undertake strategic R&D for the benefit of industry.



Technology Centre Network

- Dairy Processing Technology Centre - DPTC
- Technology Centre for Bioenergy and Biorefining -TCBB
- International Energy Research Centre – IERC
- Innovation for Ireland's Energy Efficiency - i2e2
- Irish Centre for Cloud Computing and Commerce - IC4
- Pharmaceutical Manufacturing Technology Centre - PMTC
- Centre for Applied Data Analytics - CeADAR
- Connected Health - ARCH
- Irish Centre for Manufacturing Research – ICMR
- Irish Centre for Composites Research – Icomp
- Food for Health Ireland – FHI
- Microelectronic Circuits Centre Ireland – MCCI
- Collaborative Centre for Applied Nanotechnology – CCAN
- Innovation Value Institute – IVI
- Governance, Risk and Compliance Technology Centre - GRCTC

Technology Centres are based in a University with support from partner colleges to deliver on the research needs of the companies.

Benefits of Membership:

- Network of like minded companies
- Driving research of interest to member companies
- Access to Intellectual Property

What is Horizon 2020?

- **€70 billion EU research and innovation funding programme (2014-2020)**
- **A core part of Europe 2020, Innovation Union & European Research Area:**
 - ✓ Responding to the economic crisis to invest in **future jobs and growth**
 - ✓ Addressing **people's concerns** about their livelihoods, safety and environment
 - ✓ **Strengthening the EU's** global position in research, innovation and technology

Three priorities

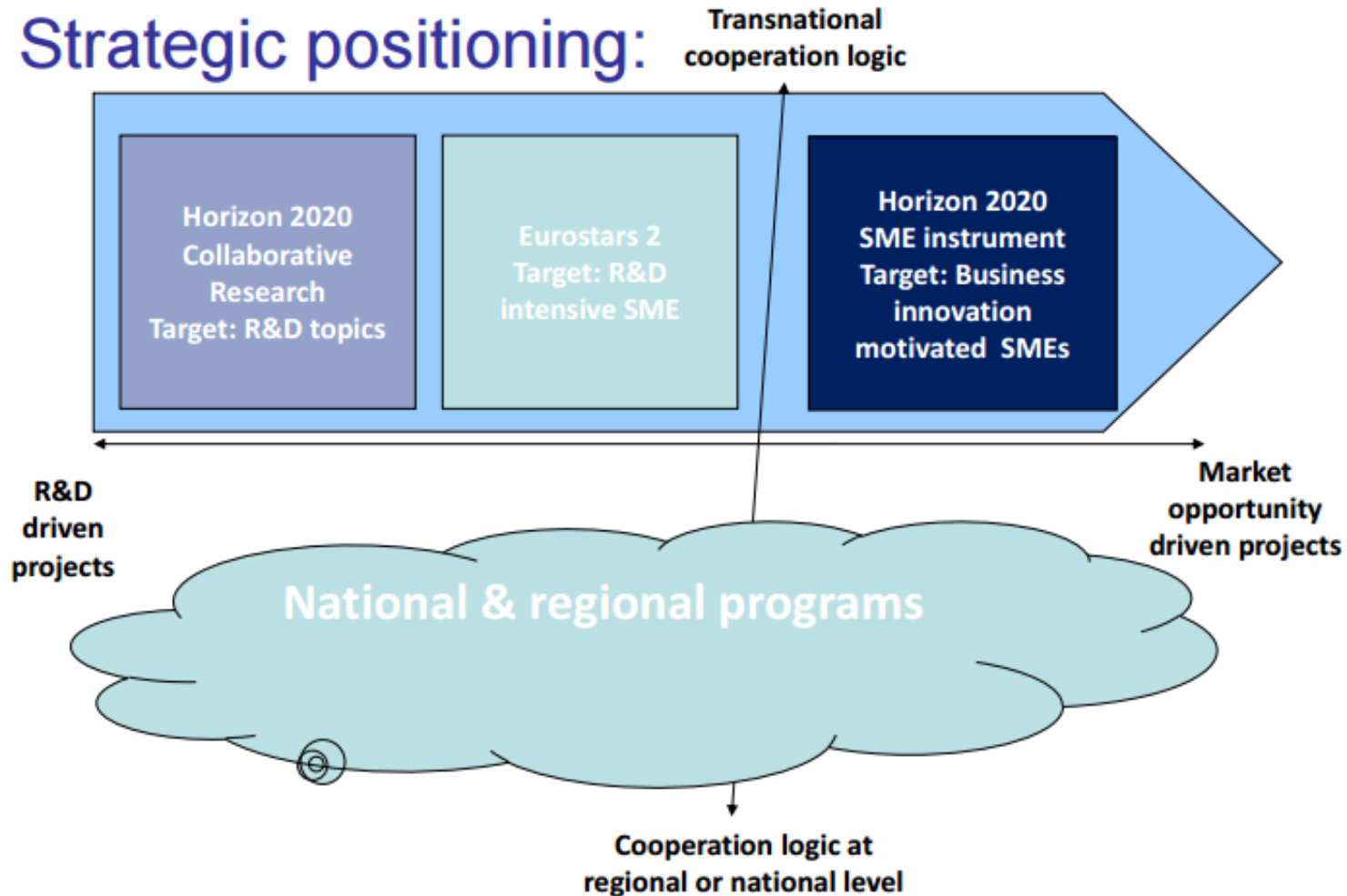


Horizon 2020

Priority	Excellent Science	Industrial Leadership	Societal Challenges
Funding Mechanisms	<ul style="list-style-type: none"> • European Research Council (ERC) • Future and Emerging Technologies • Marie Skłodowska-Curie Action (MSCA) • Research Infrastructures 	<ul style="list-style-type: none"> • Leadership in enabling and industrial technologies <ul style="list-style-type: none"> • ICT • SPACE • NMP & Bio • Access to risk finance • Innovation in SMEs 	<ol style="list-style-type: none"> 1. Health, demographic change and wellbeing 2. Food security, sustainable agriculture and forestry, marine and maritime research, and the bio-economy 3. Secure, clean and efficient energy 4. Smart, green and integrated transport 5. Climate action, resource efficiency and raw materials 6. Europe in a changing world: inclusive, innovative and reflective societies 7. Secure Societies – protecting freedom and security of Europe and its citizens
Focus	Bottom-up	Industry-led	Top-down

Other
Actions

Strategic positioning:

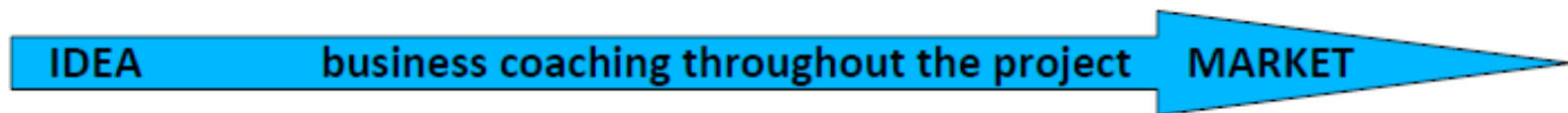
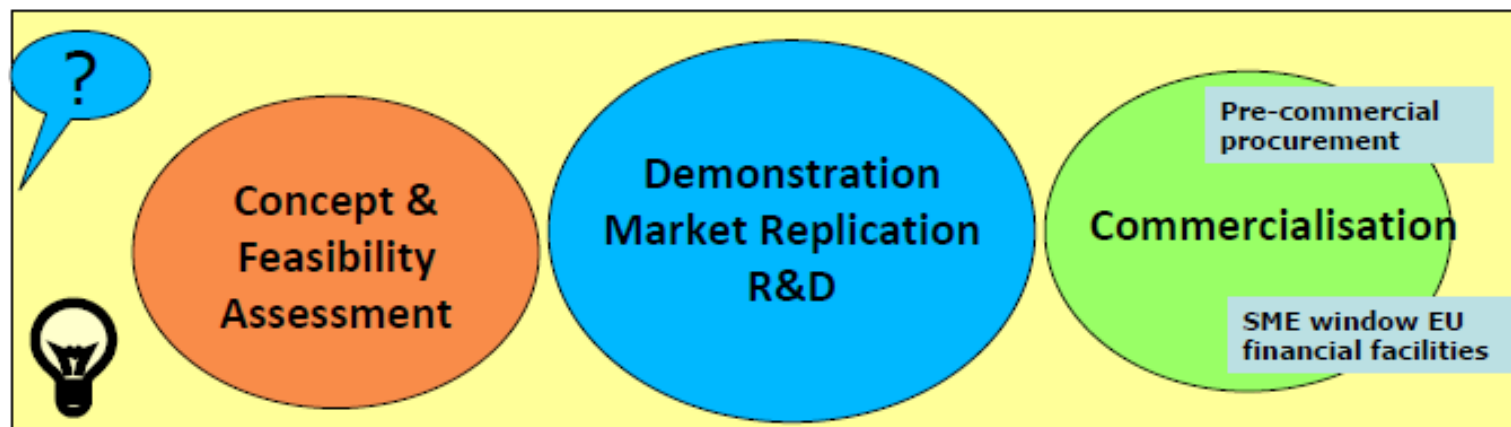


SME Instrument Main Features

- Targeted at all types of innovative SMEs
- Only SMEs allowed to apply for funding (single company support possible)
- Competitive
- Market-oriented, EU dimension
- Bottom-up while addressing societal challenges and/or key enabling technologies
- Grant-based staged funding (70 %)

SME Instrument Phases

SME instrument



SME Instrument Phases

Phase 1: Concept and feasibility assessment

Input: Idea/Concept:
"Business Plan I"
(~ 10 pages)

Activities:
Feasibility of concept
Risk assessment
IP regime
Partner search
Design study
Pilot application
etc.

Output: elaborated
"Business plan II"

Lump sum: 50.000 €
~ 6 months

Phase 2: R&D, demonstration, market replication

Input:
"Business plan II" plus
description of
activities under Phase
II (~ 30 pages)

Activities:
Development,
prototyping, testing,
piloting,
miniaturisation,
scaling-up, market
replication

Output: investor-ready
"Business plan III"

Output based payments:
1 to 3 M€ EC funding
~ 12 to 24 months

Phase 3: Commercialisation

Promote instrument as
quality label for
successful projects
Facilitate access to
private finance

Support via networking ,
training, information,
addressing i.a. IP
management,
knowledge sharing,
dissemination

SME window in the EU
financial facilities (debt
facility and equity
facility)

No direct funding

Fast Track to Innovation Pilot 2015-2016

- Open to any legal entity - consortia of no more than 5 participants
- Funding of innovation actions (close-to-market)
- Proposals relating to any technology field under LEITs and Societal Challenges (bottom-up-driven logic)
- Grant up to € 3 million
- Permanently open call with three cut-off-dates per year
- Impact criterion given a higher weighting in evaluations
- Time-to-grant: 6 months
- Project Duration (12-24 months)

Enterprise Ireland Green Offer

- **Green Start**
- **Green Plus**
- **Green Technical Feasibility Study**

Enterprise Ireland Green Start

Consultancy support based on embedding Environmental Best Practice through:

- Development of formalised environmental management
- Guidelines on how projects should be conducted
- 7 day consultancy, project based activity
- Includes reporting mechanism
- Metrics on resource efficiency savings identified

SMEs only eligible to apply

Enterprise Ireland Green Plus

Training based programme to build capability and develop skills in managing environmental/energy issues

- External trainer will use hands on and classroom training to develop skills of internal Green Champion
- Champion puts systems in place to manage environmental impacts and/or energy efficiency up to international standard certification level
- Includes reporting mechanism
- Metrics on resource efficiency savings identified
- SMEs and large companies eligible to apply
- Guidelines on how projects should be conducted

Enterprise Ireland Green Technical Feasibility Study

- Supports use of Life Cycle Assessment
- Cradle to grave approach
- Process based projects with similar outcomes also eligible. For example: implementing energy efficient processes/practices, using eco-design to make products more environmentally friendly
- Eco-labels
- Support for internal staff time on project [restricted to companies <50 employees], external consultants, prototyping, travel and subsistence (up to €70k at 50% funding rate)





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