

HORIZON 2020
THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

Horizon2020
“The SME Instrument”
&
“Fast Track to Innovation”

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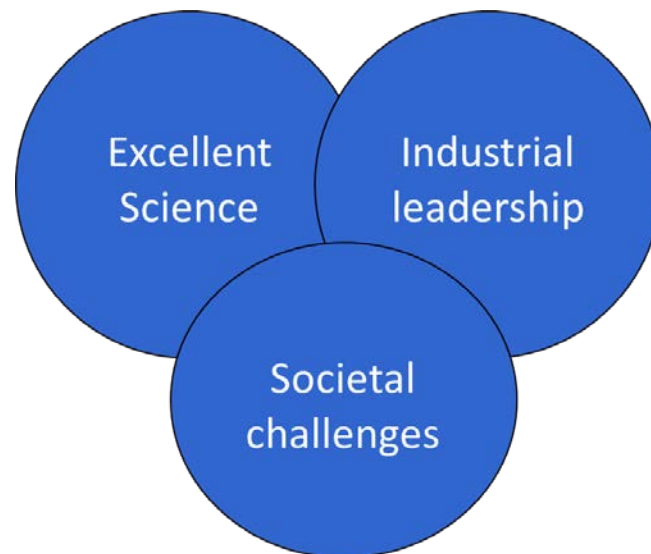
Harnessing Our Ocean Wealth Conference

July 10th 2015



Horizon2020 – some key facts

- Nearly €80 billion over seven years 2014-2020
- Covers *in a streamlined way* all research and innovation funding
- **€1.25 billion** is the Irish Target for H2020 (FP7- €600M, FP6 - €200M)
- Strong focus on societal challenges and innovation
- Reaching out to non-traditional actors
- More risk taking
- Strengthened support for high-tech SMEs
- More open, light & fast schemes



3 Pillar Structure

Excellent Science

European Research Council (ERC)

Future & Emerging Technologies (FET)

Marie Skłodowska Curie Actions

Research Infrastructures (RI)

Industrial Leadership

Leadership in Enabling and Industrial Technologies (LEIT) – ICT, KETs & Space

Access to Risk Finance

Innovation in SMEs

Societal Challenges

Health and Wellbeing

Food Security, Sustainable Agriculture, Forestry, Marine, Maritime, Inland Water and Bio-economy

Secure, Clean & Efficient Energy

Smart, Green and Integrated Transport

Climate action, Environment, Resource efficiency and raw materials

Inclusive, Innovative and Reflective Societies

Secure Societies

Spreading Excellence and Widening Participation, Social Sciences and Humanities (SSH) and ICT

European Institute of Innovation and Technology (EIT)

Joint Research Centre (JRC)

EURATOM



The SME Instrument

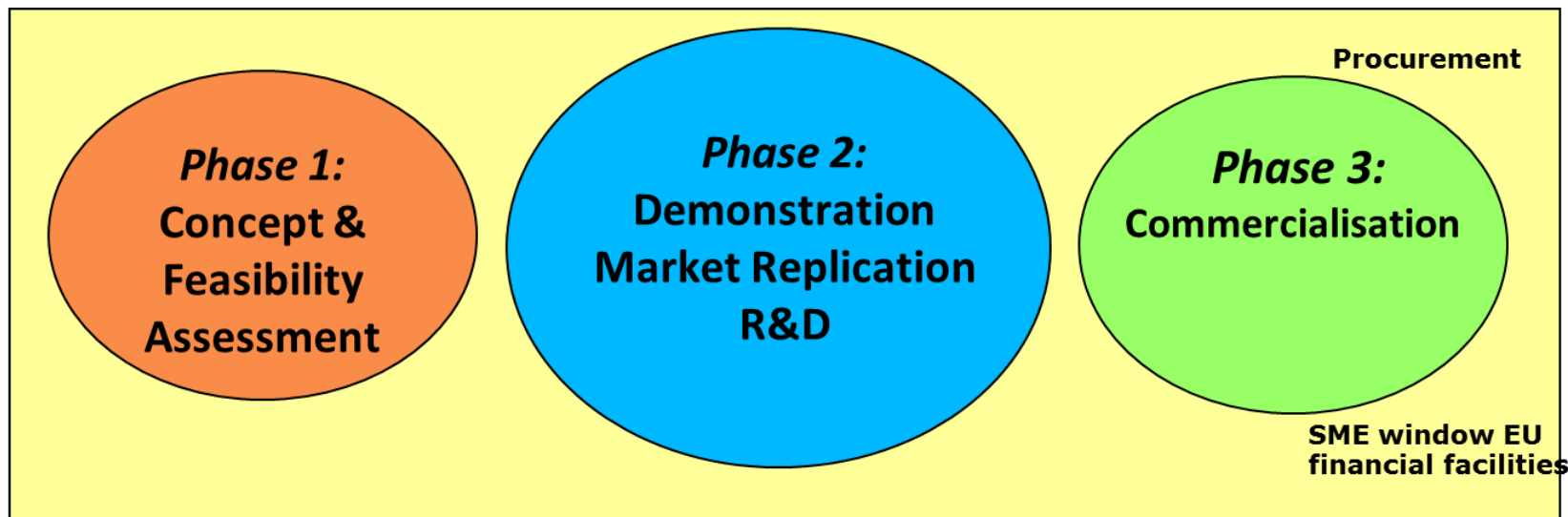


SME Instrument - Main Features

- Targeted at all types of innovative SMEs showing a strong ambition to develop, grow and internationalise
- Only SMEs will be allowed to apply for funding and support
- Single company support possible
- No obligation for applicants to sequentially cover all three phases; each phase open to all SMEs
- 70% funding (exceptions possible)



SME Instrument



50 k€

6 months

1 to 2,5 M€

1 – 2 years

Eg: Access to risk
finance

IDEA

business coaching throughout the project

MARKET



Phase 1: Concept and feasibility assessment

Input: Idea/Concept: "Business Plan 1" (~ 10 pages)

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

Output: elaborated "Business plan 2"

Lump sum: 50.000 €
~ 6 months

Phase 2: R&D, demonstration, market replication

Input: "Business plan 2" plus description of activities under Phase 2 (~ 30 pages)

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

Output: "investor-ready Business plan 3"

Typically 1-2,5 M€ EC funding (up to 5M€ if justified)
~ 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)
Possible connection to PPC (and PPI?)

No direct funding



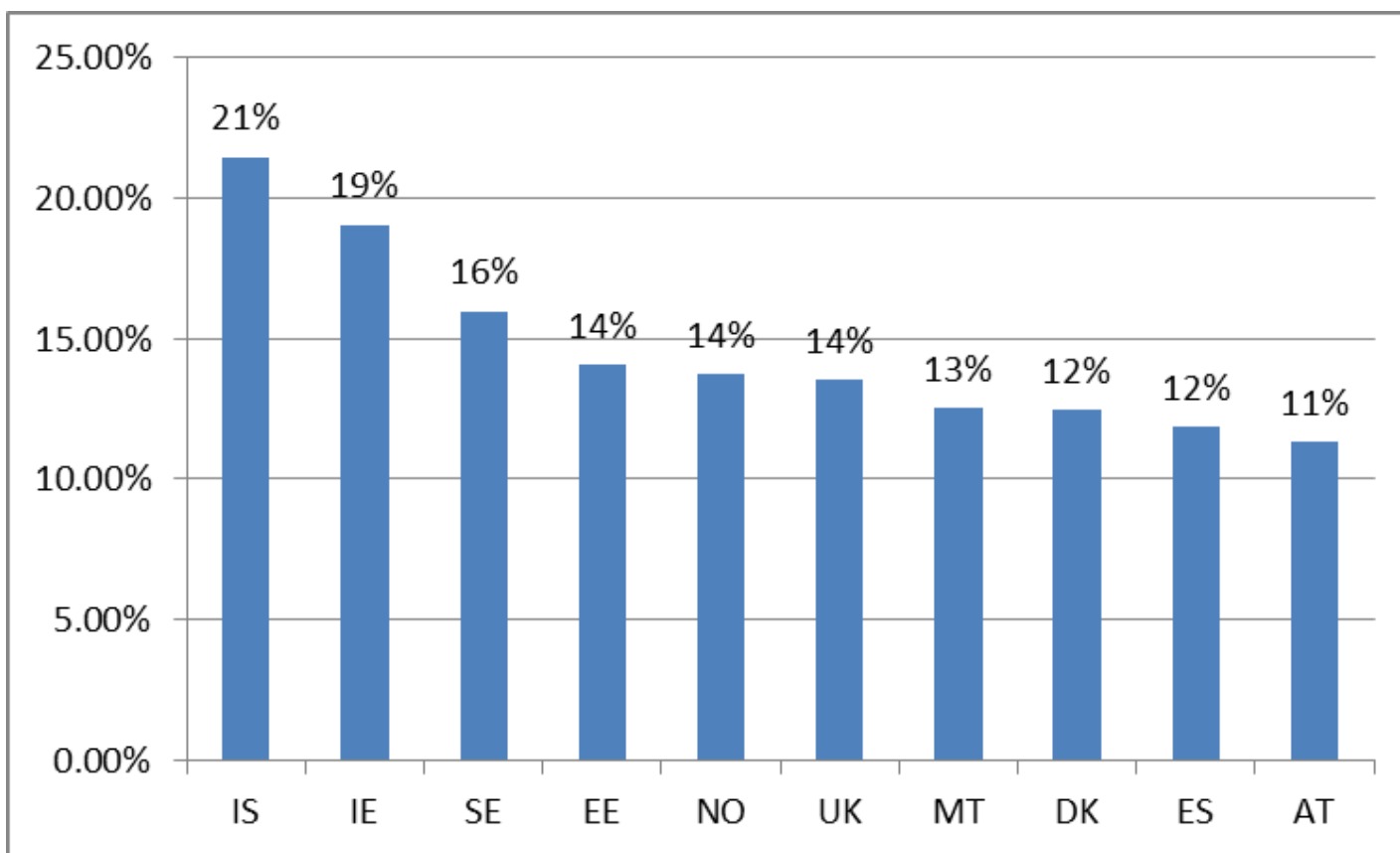
Phase 1 2014	Cut-off 18/06/2014	Cut-off 24/09/2014	Cut-off 17/12/2014	Total in 2014
Proposals	2662	1947	2363	6972
Above threshold	317 (12%)	237 (12%)	320 (13,5%)	874 (12,5%)
Funded	155 (49%)	178 (75%)	259 (81%)	592 (68%)
Budget allocated	€ 7.750.000	€ 8.900.000	€ 12.950.000	€ 29.600.000
Single companies rate for funded proposals	95%	91%	90%	92%



Phase 2 2014	Cut-off 09/10/2014	Cut-off 17/12/2014	Total in 2014
Proposals	580	629	1209
Above threshold	132 (23%)	180 (29%)	312 (26%)
Funded	60 (45%)	74 (41%)	134 (43%)
Budget allocated	€ 111.328.800 (1,85 M€ per project)	€ 117.615.077 (1,59 M€ per project)	€ 228.943.877 (1,71 M€ per project)
Single companies rate for funded proposals	82%	80%	81%



Top-10 country success rates 2014 (all beneficiaries and all phases combined)





 **ENTERPRISE
IRELAND**
where innovation means business

HORIZON 2020
SCIENCE | INDUSTRY | SOCIETY

Fast Track to Innovation



Fast Track to Innovation

- The FTI pilot is the only **fully-bottom-up** measure in Horizon 2020 promoting **close-to-the-market innovation** activities that is open to **all types of participants**
- Follows bottom-up logic (within SC and LEITs)
- One common call, permanently open, 3 cut-offs per year
- Time-to-grant 6 months
- Funds innovation actions (70%), grant up to €3M
- Allows consortia of 3 to 5 members — mandatory industry involvement
- Impact criterion has higher weighting in evaluations
- Budget: €200M for 2015/2016 (100 + 100) — ca. 100 projects with EU contribution of ~ €2M
- Future of pilot (beyond 2016) only decided after full evaluation



Fast Track to Innovation

Mandatory industry involvement can consist of:-

- ... either at least 60% of the overall budget of the proposal must be allocated to consortium partner(s) from industry
- ... or the minimum number of industry participants must be 2 in a consortium of 3 or 4 partners, and 3 in a consortium of 5 partners.

Proposals shall include a business plan (market development strategy)

SMEs and first-time industry applicants particularly welcome

2015 deadlines: 29/4, 1/9, 1/12

2016 deadlines: 3 deadlines t.b.c.



Upcoming event

H2020 Information Day on the Industrial Leadership Pillar

28th July, Western Gateway Building, UCC

Open event

Sub programmes covered:

- Information and Communication Technologies
- Nanotechnology, Advanced Materials, Advanced Manufacturing, Biotechnology
- SME Instrument
- Fast Track to Innovation

<https://www.eventbrite.ie/e/h2020-leit-information-day-tickets-17029045333>



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