

Introduction to HORIZON 2020

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Department of Jobs, Enterprise and Innovation



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Ireland - FP7 track record



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Ireland and FP7

- **Funding: €621M** (national target €600M; FP6 €198.7M)
- **ICT and Marie Curie** are the two biggest areas
 - ICT: 52 participants; €17.8M per year
 - Marie Curie: 50 participants; €15.8M per year
- **Higher Education** researchers account for 63% of funding (€391M)
- 4 largest universities account for 74% of HEI



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- Company drawdown (€163M) > TCD and UCD combined
- **SMEs** account for 74% of funding to Industry (€129M) i.e. > UCC and NUIG combined
- Lead companies are primarily EI or IDA clients
- Intel: ranked 47 in EC top 50 companies
- **Public bodies** achieved the largest scale of funding in single participations (Marie Curie Co-Fund to run national fellowship programmes)



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- ERC accounts for many HEI €1M+ participations. Others are collaborative projects coordinated here
- Small numbers of projects have >1 partner from Ireland. Partnerships generally comprise 1-2 HEIs with SMEs (except ICT area: Intel and UTRC)
- Approx 8% of applicants have Northern Ireland partners



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- Comparing Ireland to other European countries using population adjusted participation figures places **Ireland ahead of the UK, comparable to Austria and Norway** and just behind Finland and Denmark
- Dublin Region ranked 26 in EC Top 50 regions (691 participations; €238M)



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Ireland – Horizon 2020 year 1



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1. Excellent science

Research Area	Proposed funding (€m)
European Research Council <i>Frontier research by the best individual teams</i>	€13,268
Future and Emerging Technologies <i>Collaborative research to open new fields of innovation</i>	€3,100
Marie Curie Actions <i>Opportunities for training and career development</i>	€5,572
Research infrastructures (including e-infrastructures) <i>Ensuring access to world-class facilities</i>	€2,478



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2. Industrial Leadership

Research Area	Proposed funding (€m)
Leadership in enabling and industrial technologies (ICT, nanotechnologies, materials, biotechnology, manufacturing, space)	€13,781
Access to risk finance <i>Leveraging private finance and venture capital for research and innovation</i>	€3,538
Innovation in SMEs <i>Fostering all forms of innovation in all types of SME's</i>	€619



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3. Societal challenges

Research Area	Proposed funding (€m)
Health, demographic change & wellbeing	€8,033
Food security, sustainable agriculture, marine and maritime research & the bioeconomy	€4,152
Secure, clean & efficient energy	€5,782
Smart, green and integrated transport	€6,802
Climate action, resource efficiency and raw materials	€3,160
Inclusive, innovative and secure societies	€3,819



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What's it really like out there?

- TCD MSCA Researcher's Night – 1st H2020 contract
- TCD Space – scored 15/15
- 10 SMEs in new SME Instrument – Ireland had highest success rate in Europe
- ICT 2014 – 3.5% of the budget to Ireland



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