

Joined Up Thinking – Joined Up Doing: strategic partnerships for innovation and economic impact. Ireland

Universities as Regional Lead Institutions
RIS3 Workshop – Graz. 13th November 2018

Research Prioritisation Exercises

....joined up thinking



Technology For
An ICSTI Over

1999

2012



An Roinn Post, Fiontar agus Nuálaíochta
Department of Jobs, Enterprise and Innovation

Review of Progress in Implementing

Research Priority Areas 2018 to 2023

March 2018

Ireland's Smart Specialisation
Innovation

Summary

July 2014



Research Priority Areas
2018 to 2023

17 SFI Research Centres

Software
Pharma
Nanotechnology
MEDICAL DEVICES
Geosciences
Digital Content
Additive and Smart Manufacturing
Neurological Diseases
Telecommunications
PERINATAL RESEARCH
Bioeconomy
Nano Materials
Functional Foods
PHOTONICS Dairy
BIG DATA
Marine and Renewable Energy

ADAPT	Centre for Global Digital Content and Engagement
AMBER	Advanced Materials and BioEngineering Research Centre
APC	APC Microbiome Institute
BEACON	Circular Bioeconomy Research Centre
CONNECT	Future Broadband, Cellular and Internet of Things networks
CONFIRM	Smart Manufacturing and Industrial Automation Research Centre
CÚRAM	Centre for Research in Medical Devices
Future Milk	Precision (Smart) Agriculture Research for Dairy
Future Neuro	Neurological Diseases Research Centre
iCRAG	Irish Centre for Research in Applied Geosciences
I-Form	Advanced Manufacturing Research Centre
INFANT	Irish Centre for Fetal and Neonatal Translational Research
INSIGHT	Centre for Data Analytics
IPIC	Irish Photonic Integration Research Centre
LERO	Irish Software Research Centre
MaREI	Marine and Renewable Energy Ireland
SSPC	Synthesis & Solid State Pharmaceutical Centre

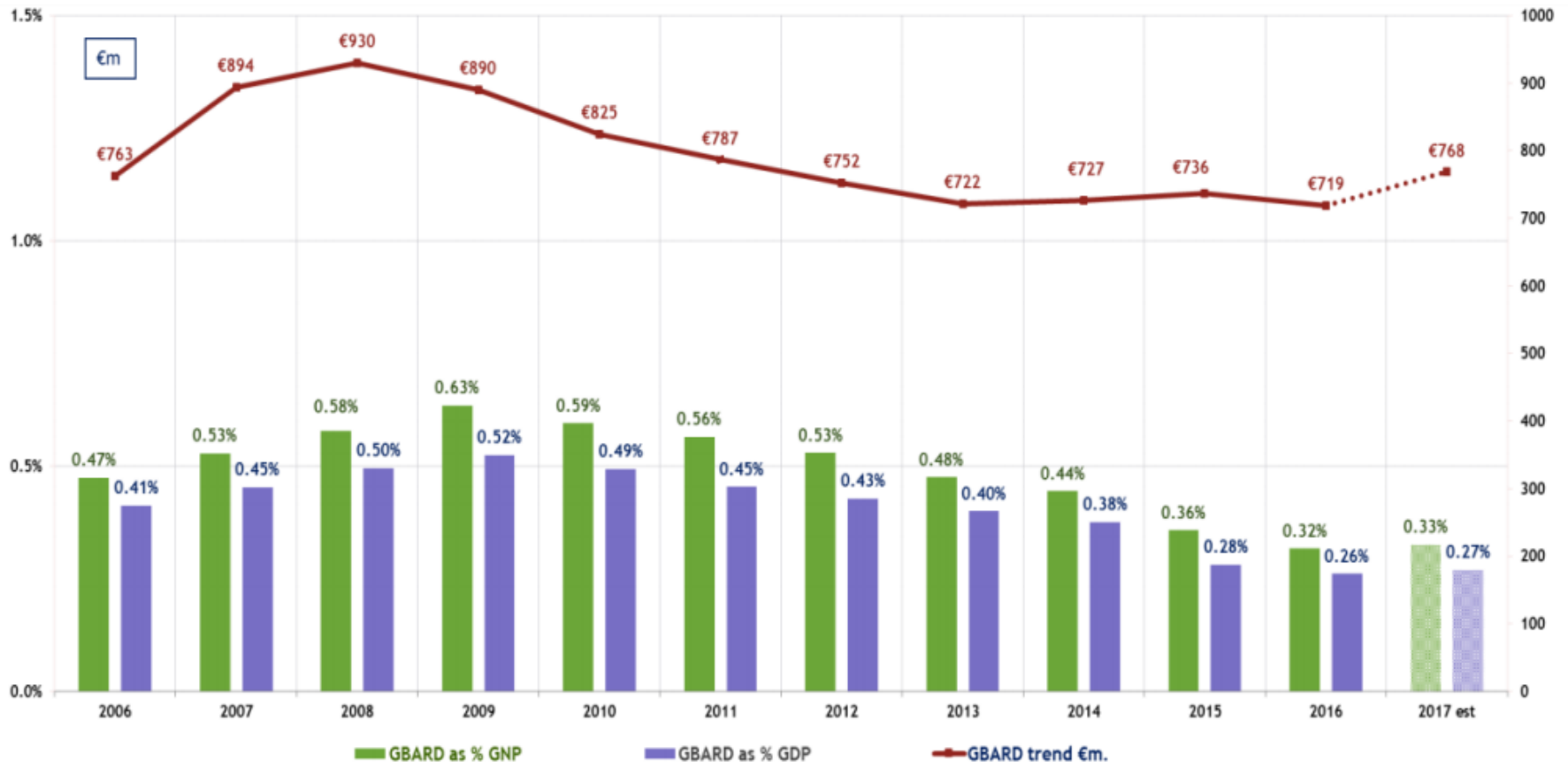
Implementation...



Plus -Institutes of Technology

Research and Development Budget (R&D) 2016–17. DJEI

Figure A: GBARD - Government R&D Budget (€m) current prices and as a % of GNP/GDP, 2006-17





Science
Foundation
Ireland directly
and indirectly
supports

31,200

jobs in Ireland



Industry
Collaborations

1,521 industry collaborations
supported

911

collaborations
with 463 MNCs

610

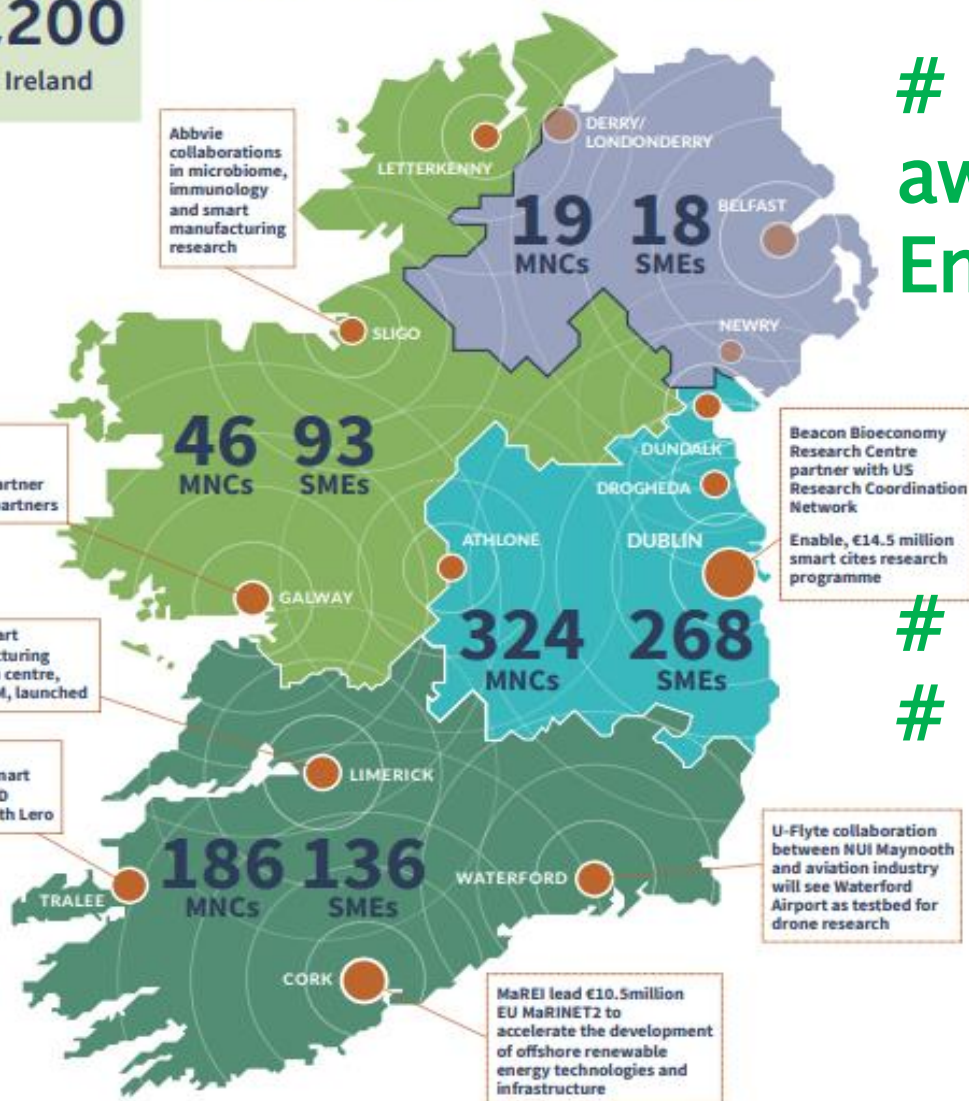
collaborations
with 464 SMEs

SFI-INDUSTRY COLLABORATIONS

It's about IMPACT...

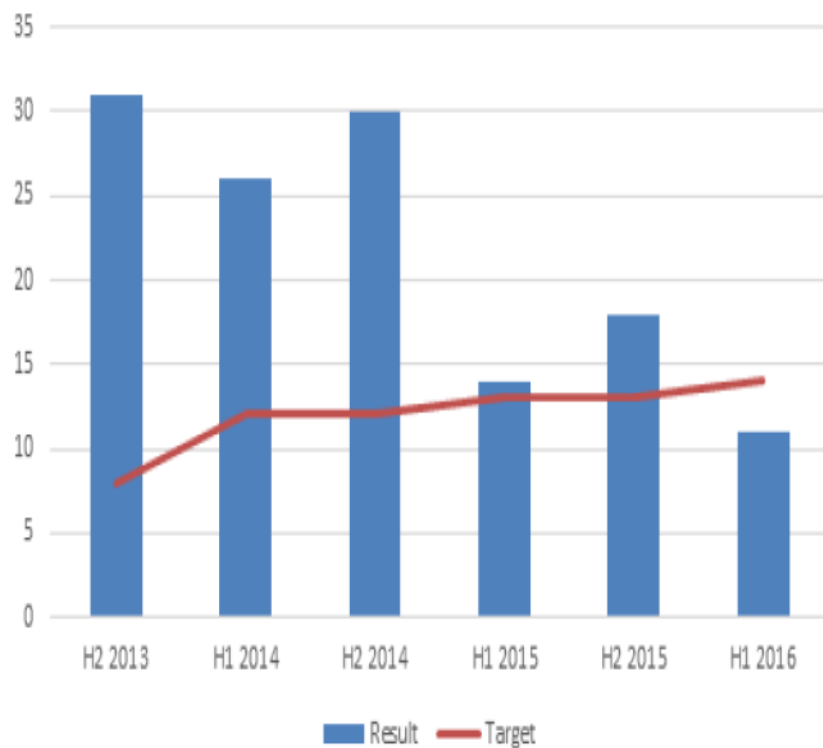
commercialisation
awards received from
Enterprise Ireland

Licence Agreements
Spin Outs



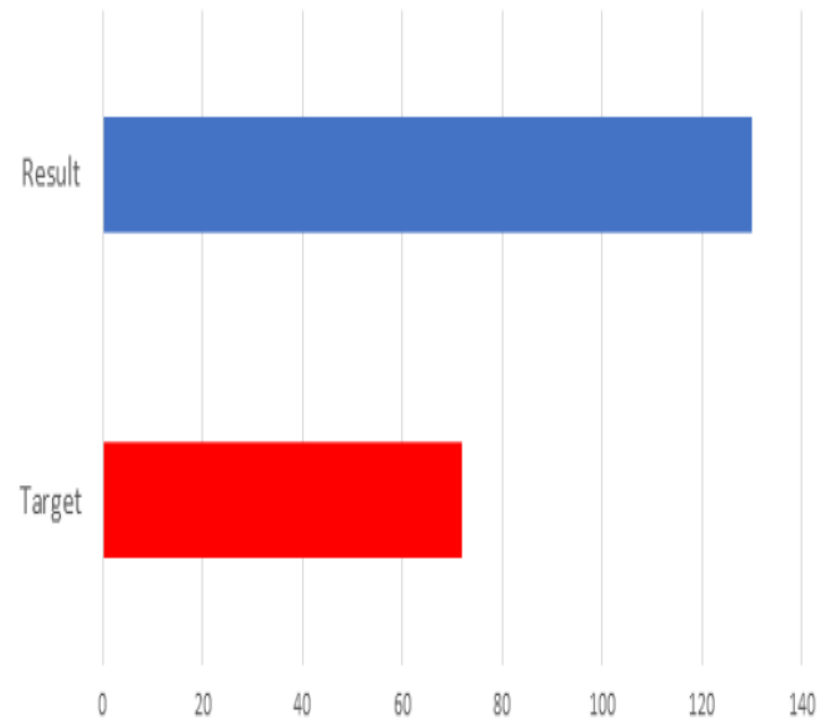
Commercialisation awards received from Enterprise Ireland

Figure 4.3: Enterprise Ireland Commercialisation Awards



Source: Indecon analysis of SFI Research Centre KPI Data

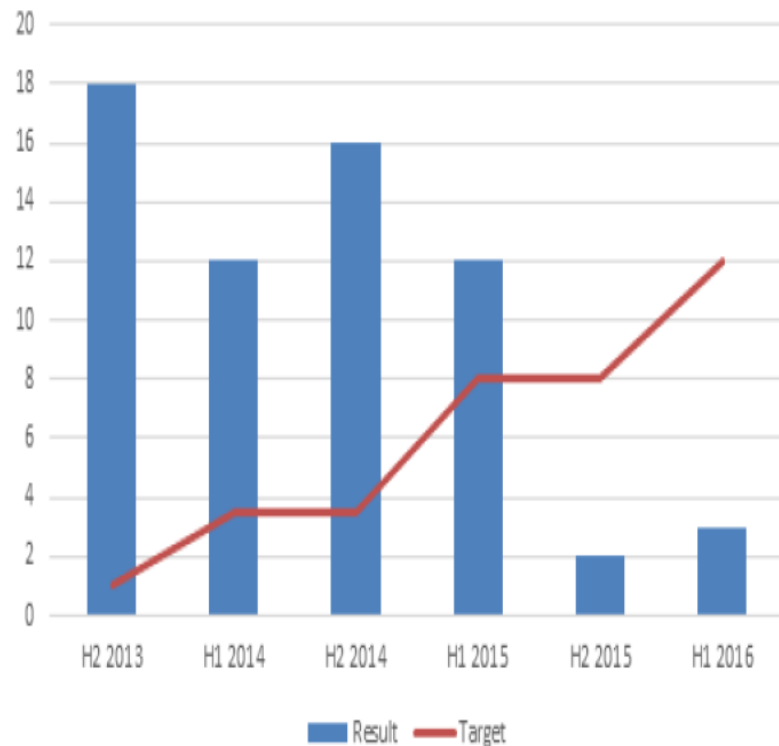
Figure 4.4: Cumulative Enterprise Ireland Commercialisation Awards, June 2013 – June 2016



Source: Indecon analysis of SFI Research Centre KPI Data

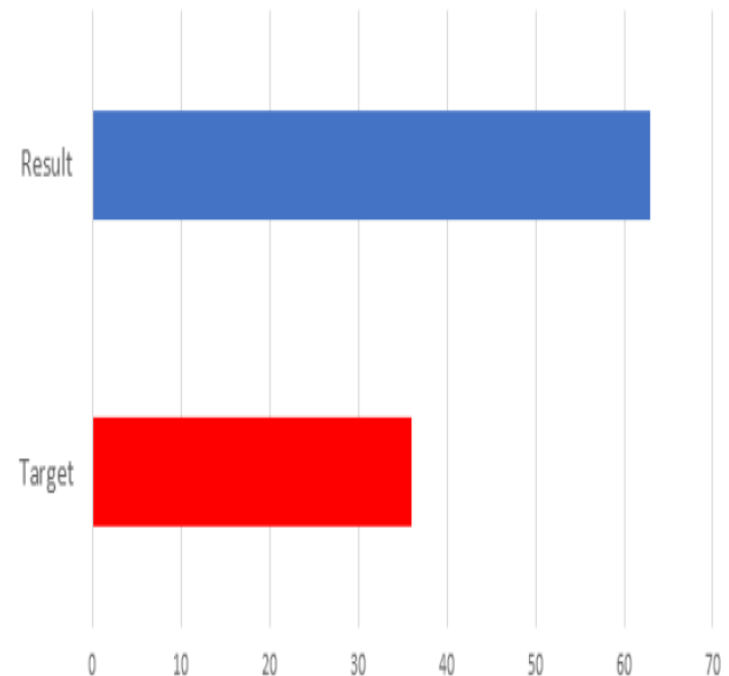
Licence Agreements

Figure 4.5: Licence Agreements



Source: Indecon analysis of SFI Research Centre KPI Data

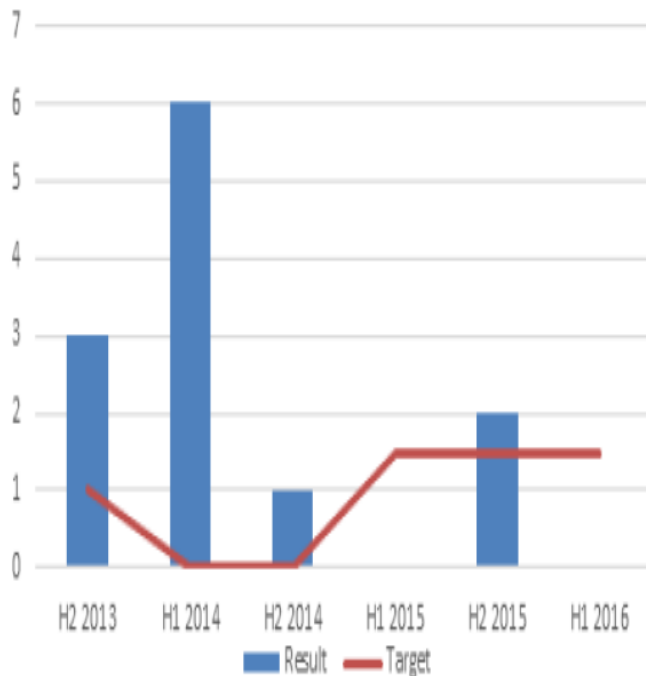
Figure 4.6: Cumulative Licence Agreements June 2013 – June 2016



Source: Indecon analysis of SFI Research Centre KPI Data

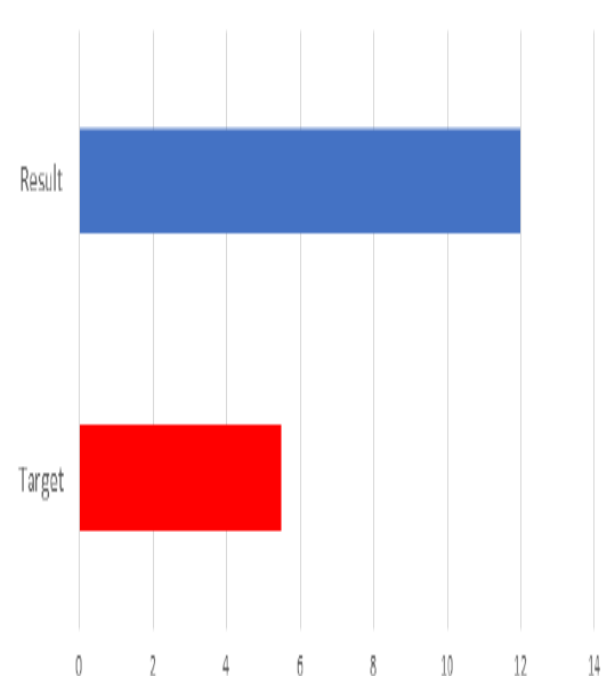
Spin Outs

Figure 4.7: Spin Out Companies Formed



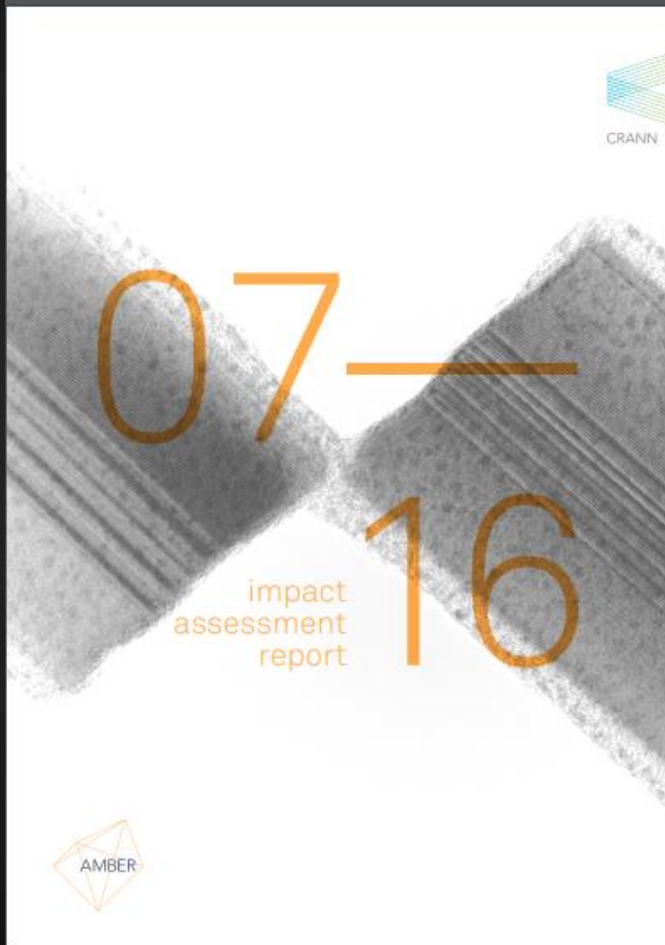
Source: Indecon analysis of SFI Research Centre KPI Data

Figure 4.8: Cumulative Spin Out Companies Formed, June 2013 – June 2016



Source: Indecon analysis of SFI Research Centre KPI Data

<http://sfi.ie/funding/award-management/research-impact/>

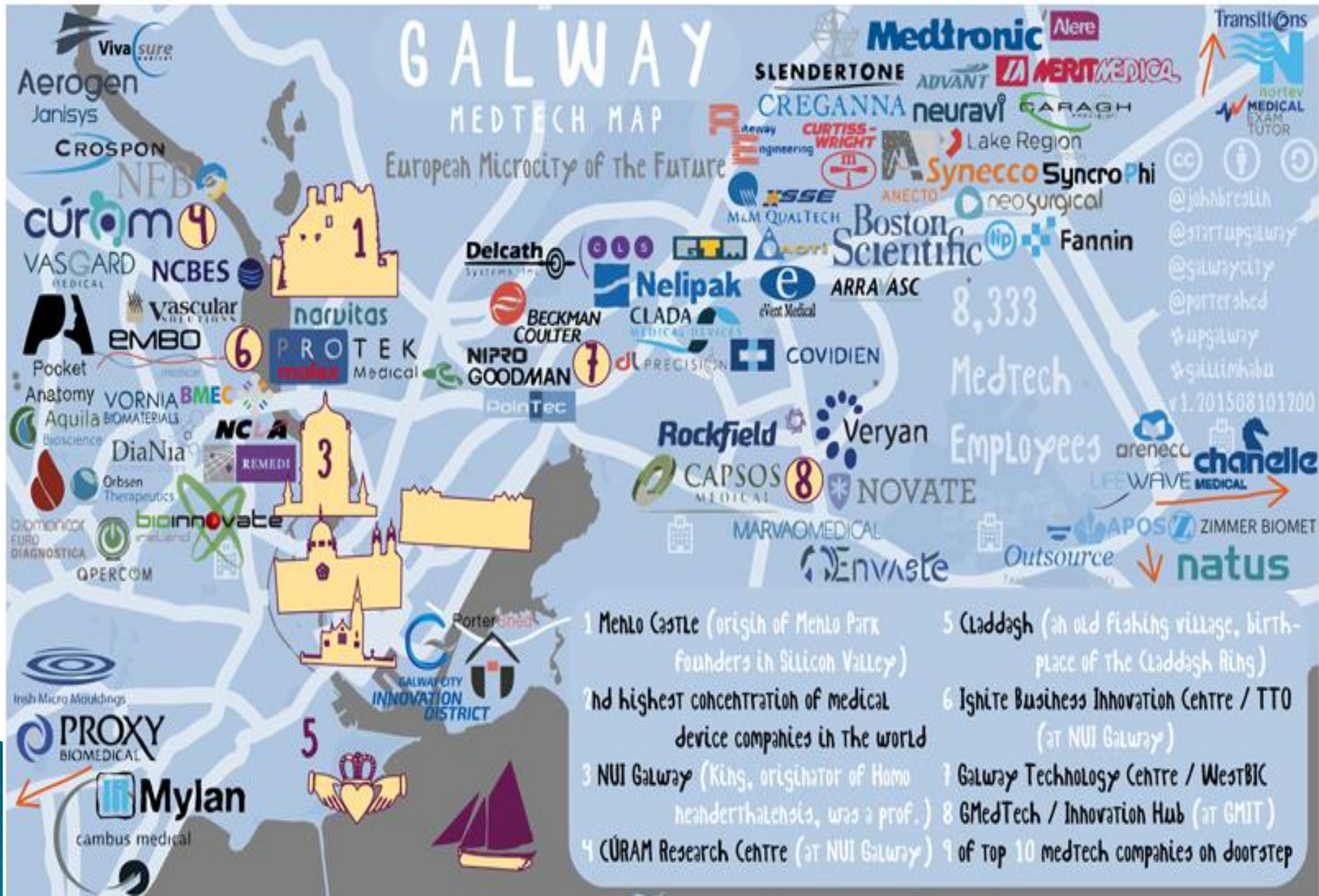


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http://ambercentre.ie/images/uploads/news/CRANN_AMBER_10_year_Impact_Final2.pdf

Galway Med-Tech Map, courtesy of John Breslin, NUI Galway & TechInnovate



.....*more joined up thinking*

2012

Putting public research to work for Ireland

Policies and procedures to help industry make
good use of Ireland's public research institutions



2016



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Department of Jobs, Enterprise and Innovation

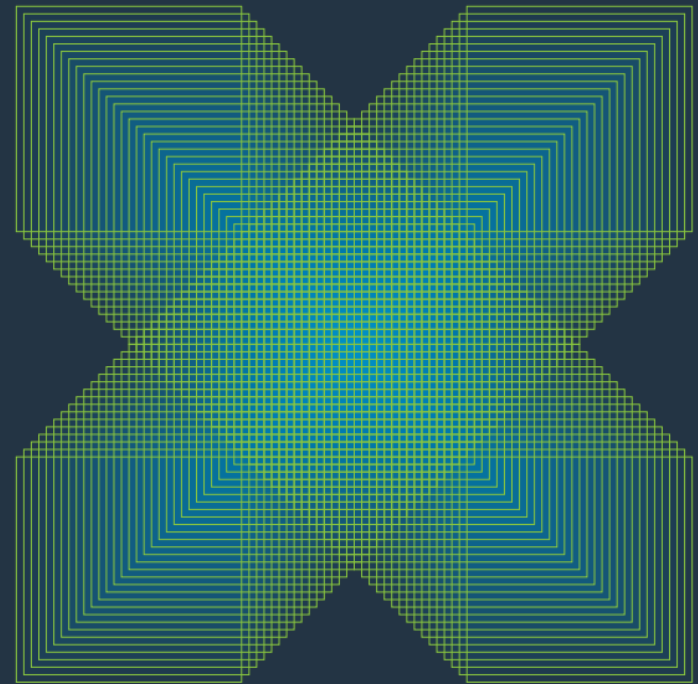
IP Protocol Resource Guide



An Roinn Post, Fiontar agus Nuálaíochta
Department of Jobs, Enterprise and Innovation

Inspiring Partnership – the national IP Protocol 2016

Policies and resources to help industry
make good use of public research in Ireland



What is Knowledge Transfer?

The sharing of knowledge, skills and technologies between public research and enterprises for collective benefit.

[Learn More](#)

The Knowledge Transfer ecosystem

