



**Maynooth
University**

National University
of Ireland Maynooth

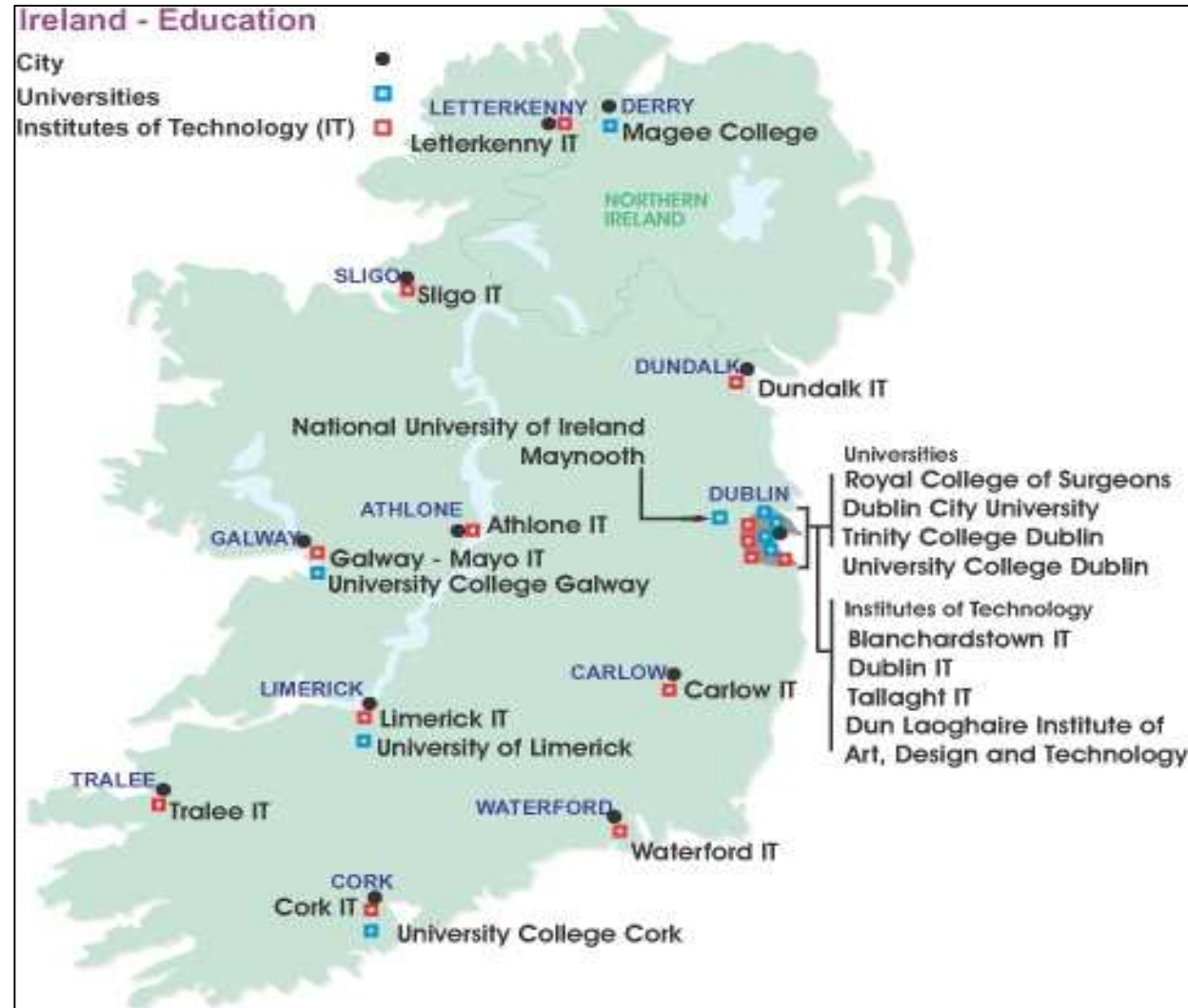
Strategic Participation of Irish Universities in Smart Specialisation

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Higher Education in Republic of Ireland

4.5M pop
High
participation
in third level
education



Historical Structural Funding

Ireland has no research institutes

- Essentially all public research in universities
- Minimal government investment prior to 1998

1998-2008 Strong capacity building for basic science and engineering via structural funds ~€1 Bn

Criteria

- Qualified “excellence”
- Matching funding from private sources
- Ability to win EU framework funding
- Collaboration with industry partners

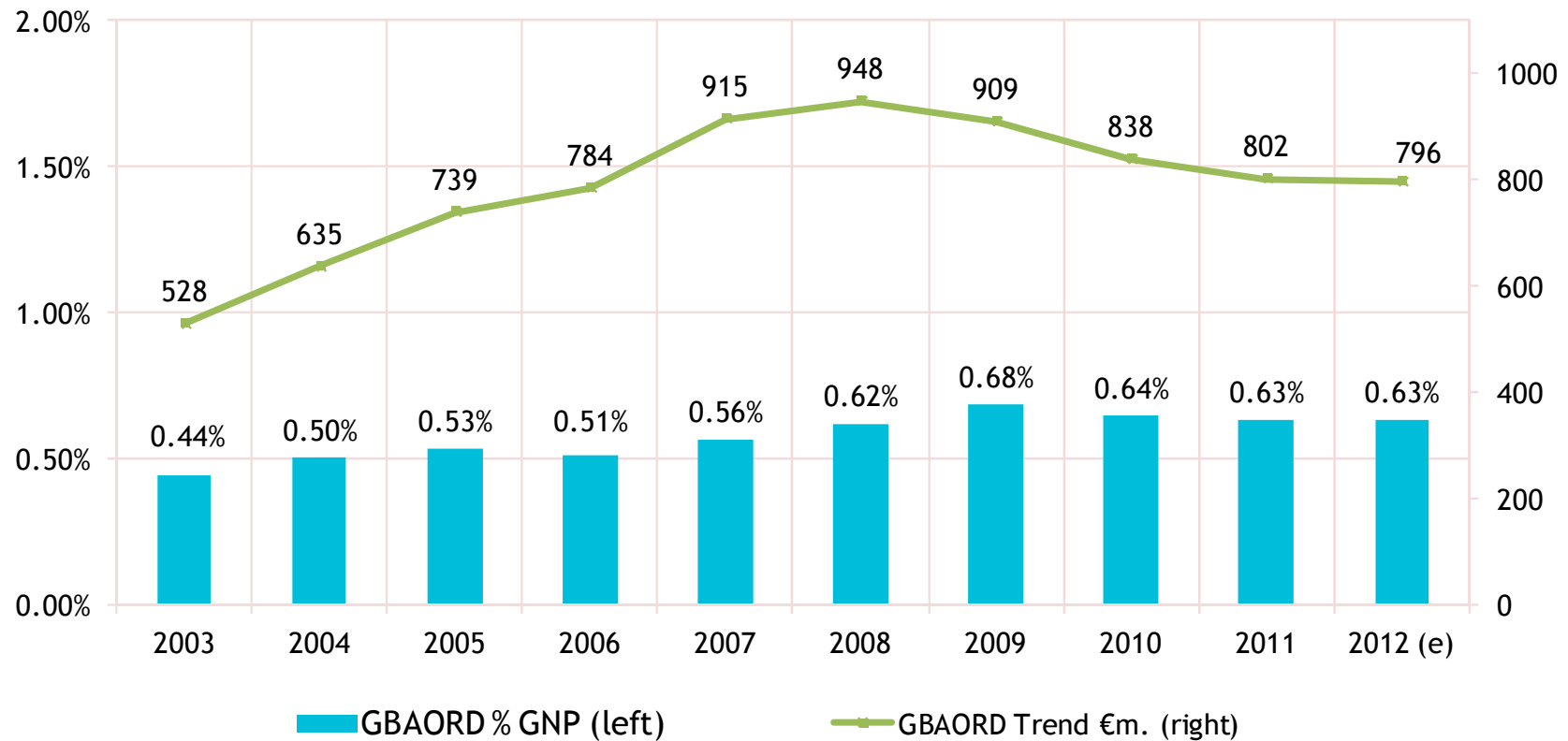
Example of the IT / Internet investment in Dublin Region 2010-2012

...AND SUDDENLY IN JUST TWO YEARS:

2010-2012: Dropbox, Twitter, LinkedIn, Zendesk, Etsy, Zynga, HubSpot, Gilt, LogMeIn, 10Gen, SumUp, Marketo, Ancestry.com, Groupon, Riot, Indeed, MasterCard



GBERD (€m) and GBERD as % GNP



Research Priority Areas Ireland

- Priority Areas for Publicly-performed Research , 2013-17

A	Future Networks & Communications	H	Food for Health
B	Data Analytics, Management, Security & Privacy	I	Sustainable Food Production & Processing
C	Digital Platforms, Content & Applications	J	Marine Renewable Energy
D	Connected Health & Independent Living	K	Smart Grids & Smart Cities
E	Medical Devices	L	Manufacturing Competitiveness
F	Diagnostics	M	Processing Technologies & Novel Materials
G	Therapeutics – Synthesis, Formulation, Processing & Drug Delivery	N	Innovation in Services & Business Processes

Platform Science and Technology (Basic biomedical Science, Nanotechnology, Advanced Materials, Microelectronics, Photonics, Software Engineering)
Integrating Infrastructure Operation and Maintenance of Equipment, Clinical and Translational Integrating Infrastructure, e-Infrastructure etc

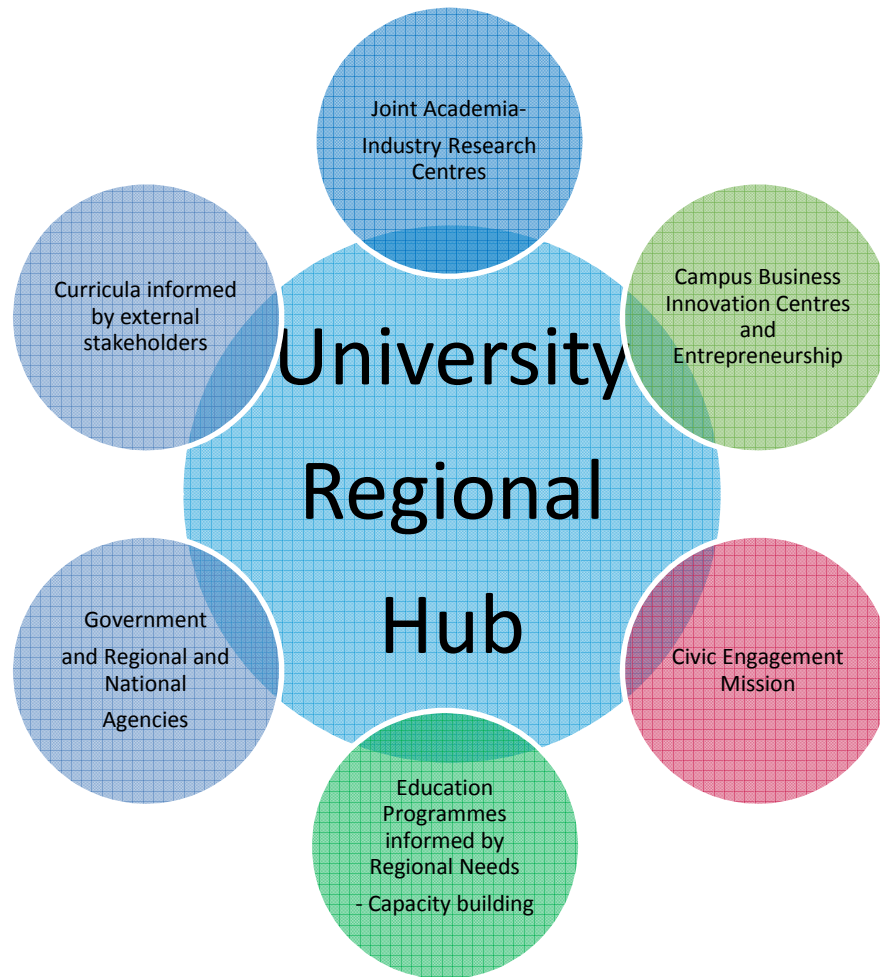


Irish Research Funding Instruments aligned with Smart Specialisation since 2013

- University-Industry Scientific research centres (multi-institution clusters)
 - 12 x c. €100M over 5 years.
- Specific Technology Centres (15)
 - -(e.g. IT Innovation, €20M over 10 years)
- Innovation Partnerships
 - cost sharing projects for enterprise defined research
- Knowledge Transfer Ireland
 - – national network of University Technology Transfer Offices
- Government funding for universities on basis of negotiated performance contract – 10% of funding may be withheld annually.



Universities essential to Strategies for Smart Specialisation



Trust, Time, Talent

Summary

Universities bring a uniquely wide range of attributes in support of RIS3

Universities must be engaged fully in the regional/national dialogue towards defining and implementing RIS3.

Universities must be valued for what they uniquely are: not seen as research arms of regional industry, but as key partners with regional Enterprises and government.

Firm basis for long term, Sustainable partnerships and S3 success