Ireland's Call
The Road to Industry
R&D Collaboration

Leo Clancy
ICT Division
30th May 2013
IDA Ireland 2013 Global Reach
Current Impact of FDI

1030
Total No of overseas companies in Ireland

152,000 / 260,000
Impact

€122 billion
Total Exports

IDA client companies contributed:

€122 billion
in estimated exports

€19 billion
to the Irish economy, including corporation tax

€7.3 billion
in payroll

Two thirds
Business Expenditure on R&D

A wide range of Industry sectors is located in Ireland.

8 out of 10
Global ICT corporations

9 out of 10
Global Pharmaceutical corporations

3 out of 5
Top Games companies

10
Top “Born on the Internet” companies

More than 50%
Of the world’s leading Financial Services Firms

17 out of 25
Global Medical Device companies

Foreign Direct Investment in Ireland
IDA focus across industry segments

**Large MNCs**
- astellas
- Takeda
- Boston Scientific
- FUJITSU
- Google
- McAfee
- Pfizer
- DELL
- AMGEN
- MERCK
- IBM
- PayPal
- intel
- Fidelity
- Coca-Cola

**Specialists**
- webroot
- Aspect
- GENBAND
- ONPD GROUP
- AMS
- Hitachi Koki
- TREND MICRO
- MUREX
- ALPS
- Aruba Networks
- Alera
- Harmac Medical Products

**Emerging Companies**
- zynga
- Otter Inc.
- Riot Games
- ZeniMax Media
- pinger
- Delcath Systems
- Indeed
- livingsocial
- Mycroft
- Gala Global
- Engine Yard
- twitter

*IRELAND Innovation comes naturally*
Japan and Ireland

Japan

Ireland
Bilateral Trade and Japanese investment in Ireland

- In 2011, Japan was Ireland’s 11th largest trading partner, with merchandise trade valued at €2,571m, exports were valued at €1,776m; imports were €795m.

- Total trade in services in 2011 was worth €2,199m.

- Approximately 22 IDA supported Japanese companies in Ireland employing circa 2,500 people in Life Sciences, ICT, Engineering and Financial Services.

Largest employers include:

ALPS  Takeda  astellas  FUJITSU  SMBC
Recent investment announcements by Japanese companies

- **Sumitomo Mitsui Banking Corporation** - subsidiary of JRI established a 100 person software development centre in Kerry in 2011
- **Fujitsu Ireland** research programme with Digital Enterprise Research Institute (DERI)
- **NTT** research programme with TSSG in Waterford Institute of Technology
- **Kobo**, recently acquired by **Rakuten**, established a software development centre in Dublin
• **NTT DATA** – collaborative R&D relationship with *(TSSG) Telecommunications Software & Systems Group*, Waterford

**Research focus on Smart Grid Technology**

“**NTT DATA has been expanding partnerships with research institutes worldwide to explore advanced technologies and create new services.** This collaboration in the area of Big Data and Business Analytics with TSSG will have numerous achievements from many industry led research projects providing solutions to real-world issues. In particular this partnership will be the first step for NTT DATA to extend our R&D capabilities into Ireland, one of the best countries to develop innovative solution.”

Dr. Kitani, Vice President, Head of Research and Development Headquarters of NTT DATA
Industrial R&D Focus Areas
In Ireland Collaborative R&D

• **Intel Labs Europe – Open Lab Concept**
  Support industry & academia to cooperate with Intel on joint research programs

• **Innovation Value Institute – co-founded by Intel and National University of Ireland Maynooth**

• **Intel Technology & Manufacturing Research in Ireland**
  - research areas include semiconductor manufacturing and nanotechnology

Research collaborations with:

- The Centre for Research on Adaptive Nanostructures and Nanodevices (CRANN)
- The Tyndall Institute
- The EU’s Framework Programme for Research and Technology Development (RTD)
- The Energy Efficiency Technology Centre
- The Irish Centre for Manufacturing Research
- The Competence Centre for Applied Nanotechnology
• In recent years the Tyndall Institute achieved a number of world’s firsts, including the world’s first implantable radiation detector, the world’s first junctionless transistor, and the world’s fastest fibre-to-the-home network demonstrator.

• Intel has just renewed a three-year contract with the Cork-based Tyndall. The relationship, described by Intel as unique in the world, sees the microprocessor manufacturer collaborate with Tyndall on R&D, as well as access a pipeline of skilled graduates.

Quotes and photo from http://siliconrepublic.com

Ireland's Agriculture Minister Simon Coveney, TD, with Intel corporate vice-president Dr Mike Mayberry and the CEO of the Tyndall Institute, Dr Kieran Drain.
World class ICT research
Why Ireland?

Value Propositions
- R&D Capabilities
- Clusters in given sectors
- Data Centre Infrastructure
- and many more…..
どうもありがとう