



SHAPING IRELAND'S FUTURE

COMMUNICATIONS FOR
THE SMART ECONOMY

The Conrad Hotel
Tuesday 13 October, 2009

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The Next Internet

Barry O'Sullivan
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Agenda

Trends: Future of Work, Future of
Connected Life, Future of Computing

The Evolution Of The Internet

Implications For Ireland

The Road Ahead

1 FUTURE OF WORK



Enabled by Video and Collaboration



2 FUTURE OF CONNECTED LIFE



Enabled by Video and Collaboration



3 FUTURE OF COMPUTING

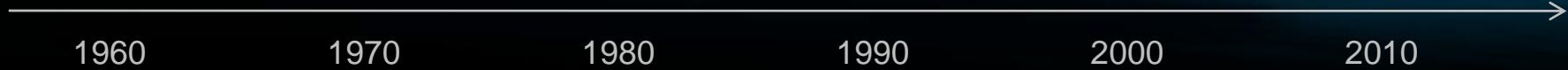
Cloud

Web

Client Server

Minicomputer

Mainframe



1960

1970

1980

1990

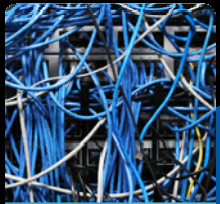
2000

2010

Evolution of the Internet

Growth/Value

The First Internet



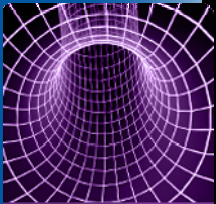
Data Transport



Messaging Platform



Price/ Performance



Vertically Integrated Architecture

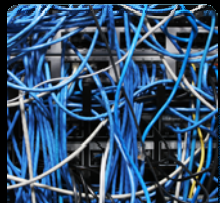
NETWORK



Evolution of the Internet

Growth/Value

The First Internet



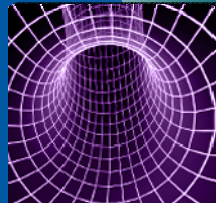
Data Transport



Messaging Platform



Price/ Performance



Vertically Integrated Architecture

The Next Internet

Media Experience Platform

Collaboration Platform

Sustainability

Distributed, Virtualized Architecture

NETWORK

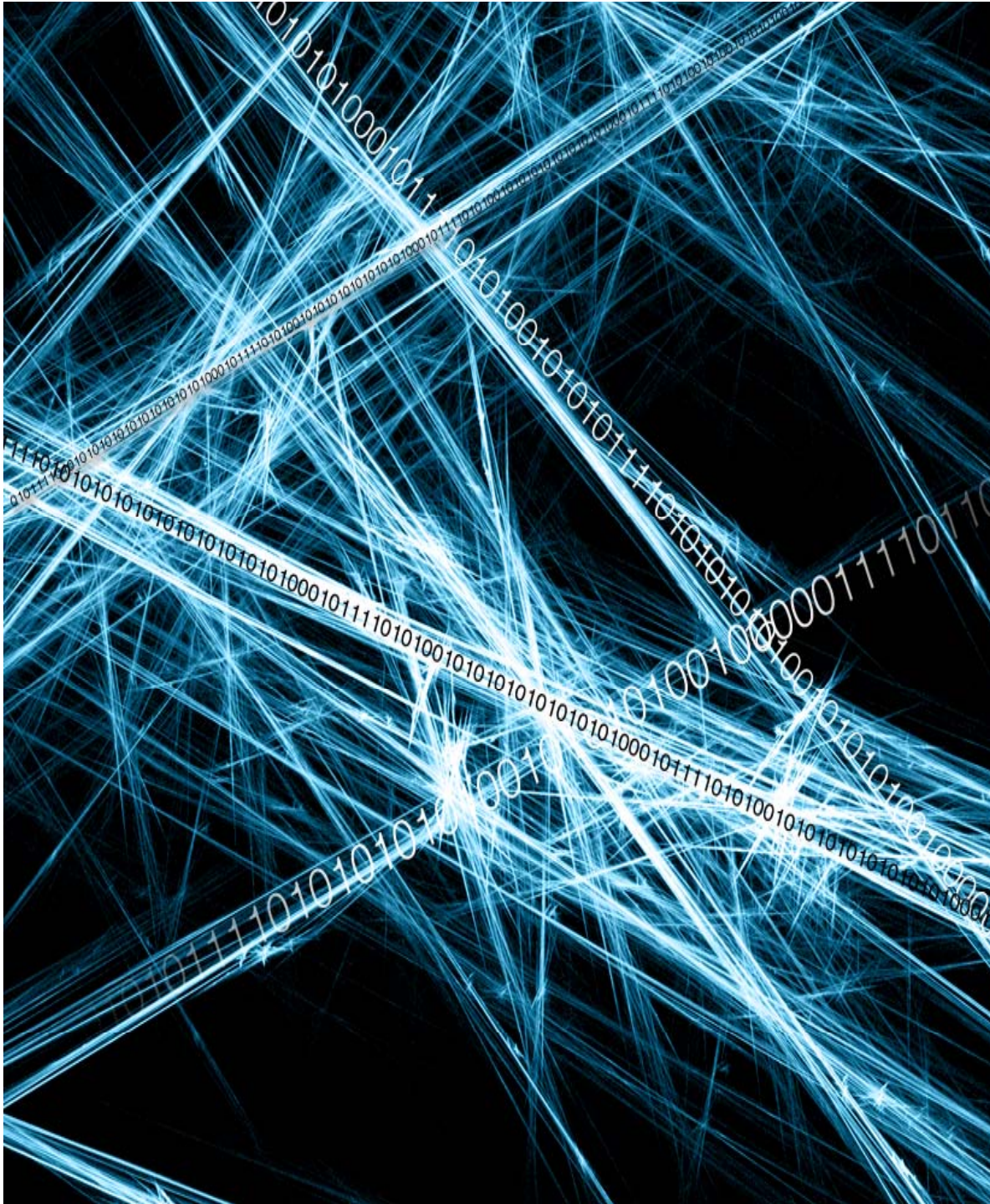




Getting Ready for 2022: Ireland at 100

Infrastructure
+ Innovation
People

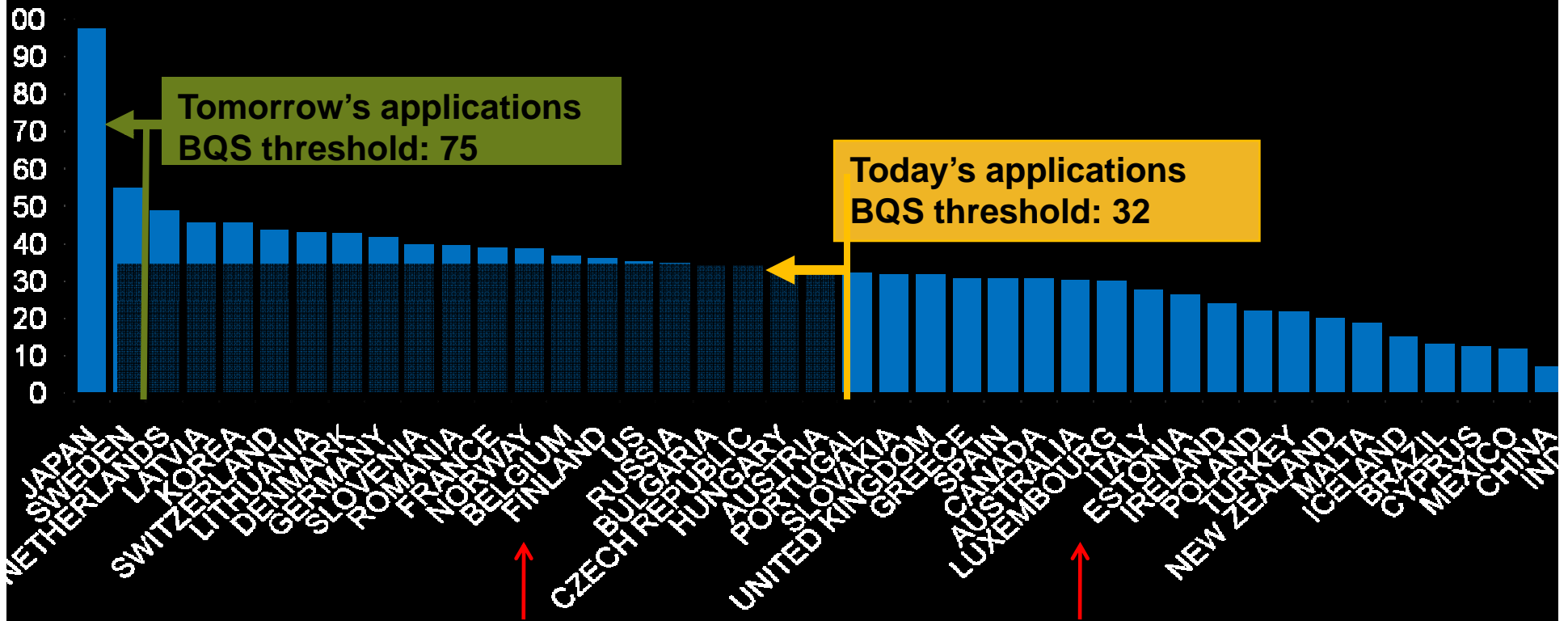
Sustainable Prosperity



Infrastructure:
Focus on
Quality Not
Quantity

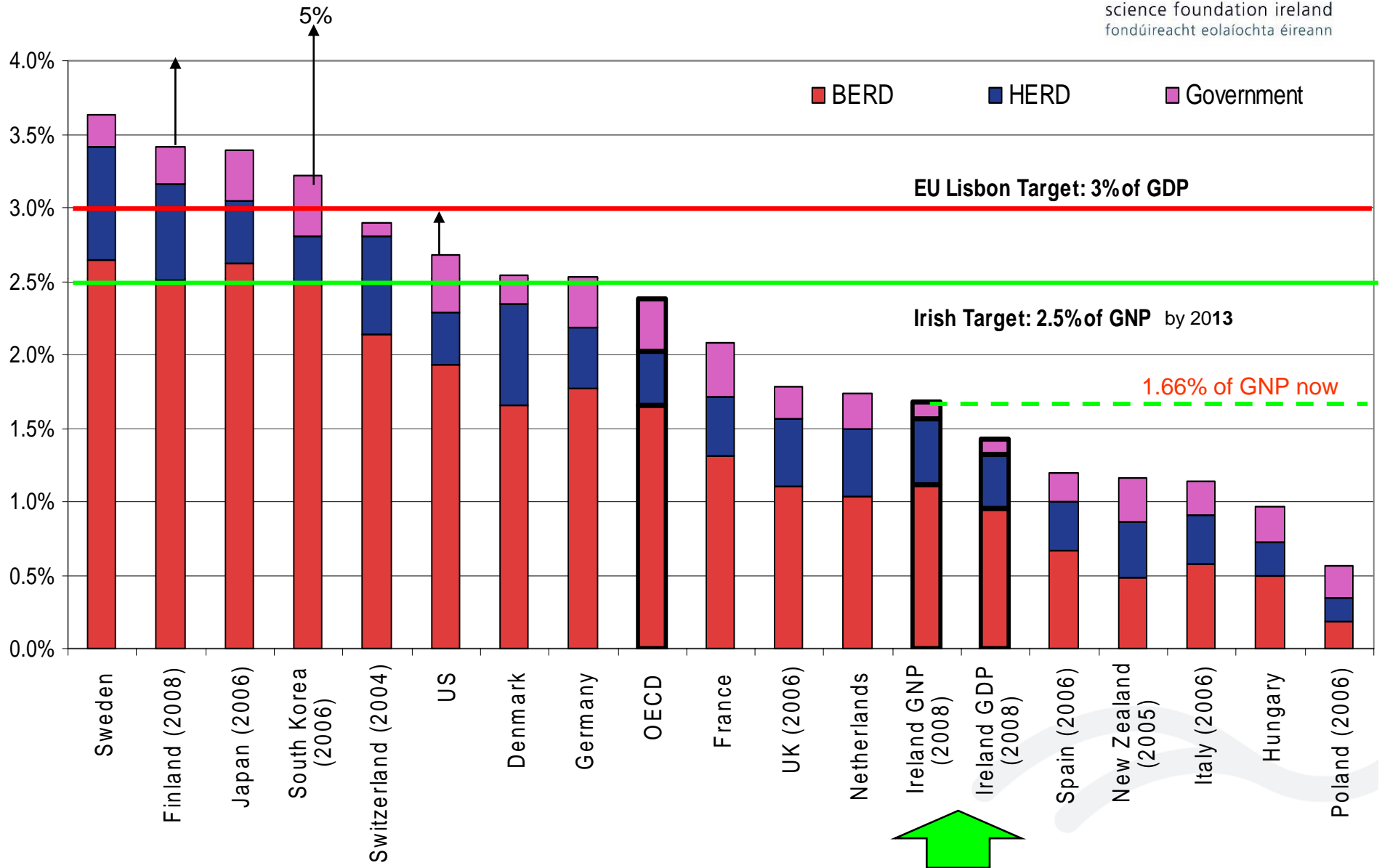
Broadband Quality Will Be Essential To Deliver The Next Internet

BQS BY COUNTRY



Source: Speed Test database, Expert Interviews, BQS Team Analysis, Aug 2008

The International Context





Education should enable **Our Global Millennials**
to be **inventors and innovators**

Ireland 2022



Ireland

will be to cloud computing what **California** has been to Silicon





**Ireland will
export energy
and related
technology** as a
result of **innovation**
in **SmartGrid** and
renewables

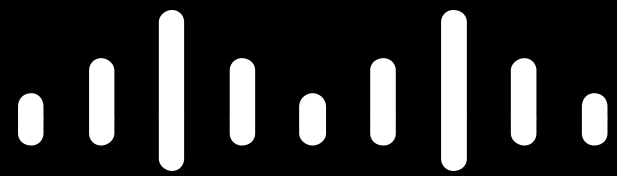


The next Google will come
out of **NUI Galway**

The Road Ahead

- Fundamental Changes in the Nature of Work and Connected Life
- **The Next Internet will be real-time, media-rich, collaborative and mobile**
- Infrastructure + Innovation + People = Sustainable Prosperity
- The Global Millennials – The Future is in good hands





CISCO