Technology Strategy Board
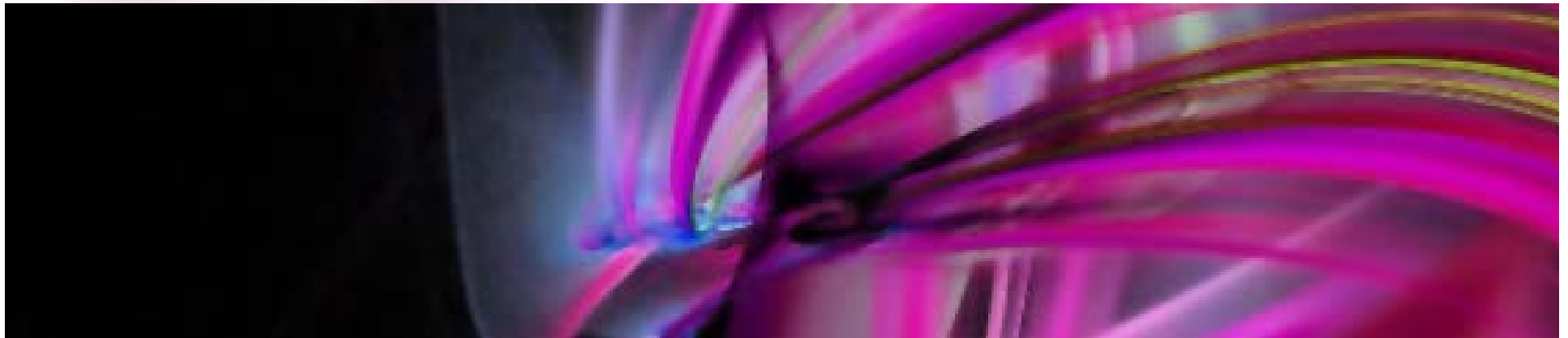
Driving Innovation

FIFMS:
Digital Britain and UK Initiatives

Dr. Maurizio Pilu
Technology Strategy Board

Technology Strategy Board

Driving Innovation

Overview of presentation

- The Technology Strategy Board

- Digital Britain activities at the Technology Strategy Board

- Overview of other flagship UK programmes
  - Digital Region
  - Digital Economy
  - Data.gov.uk

- The UK Future Internet Steering Group

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- The UK executive innovation agency

- **Investing in business innovation**

- Team drawn from business and public sector

- Working across business, universities and government

- Investment of £1bn over the current 3 years CSR

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Connect and **Catalyse**
A strategy for business innovation
2008-2011

What is Digital Britain

- A report **OF** government laying out *"plans to secure Britain's place at the forefront of the global digital economy"*

- A number of broad ranging recommendations

- Topics of relevance to the F.I. include:
  - Next generation networks
  - Universal 2Mbps access to broadband
  - Digital content and digital rights
  - Enhancing the digital delivery of public services
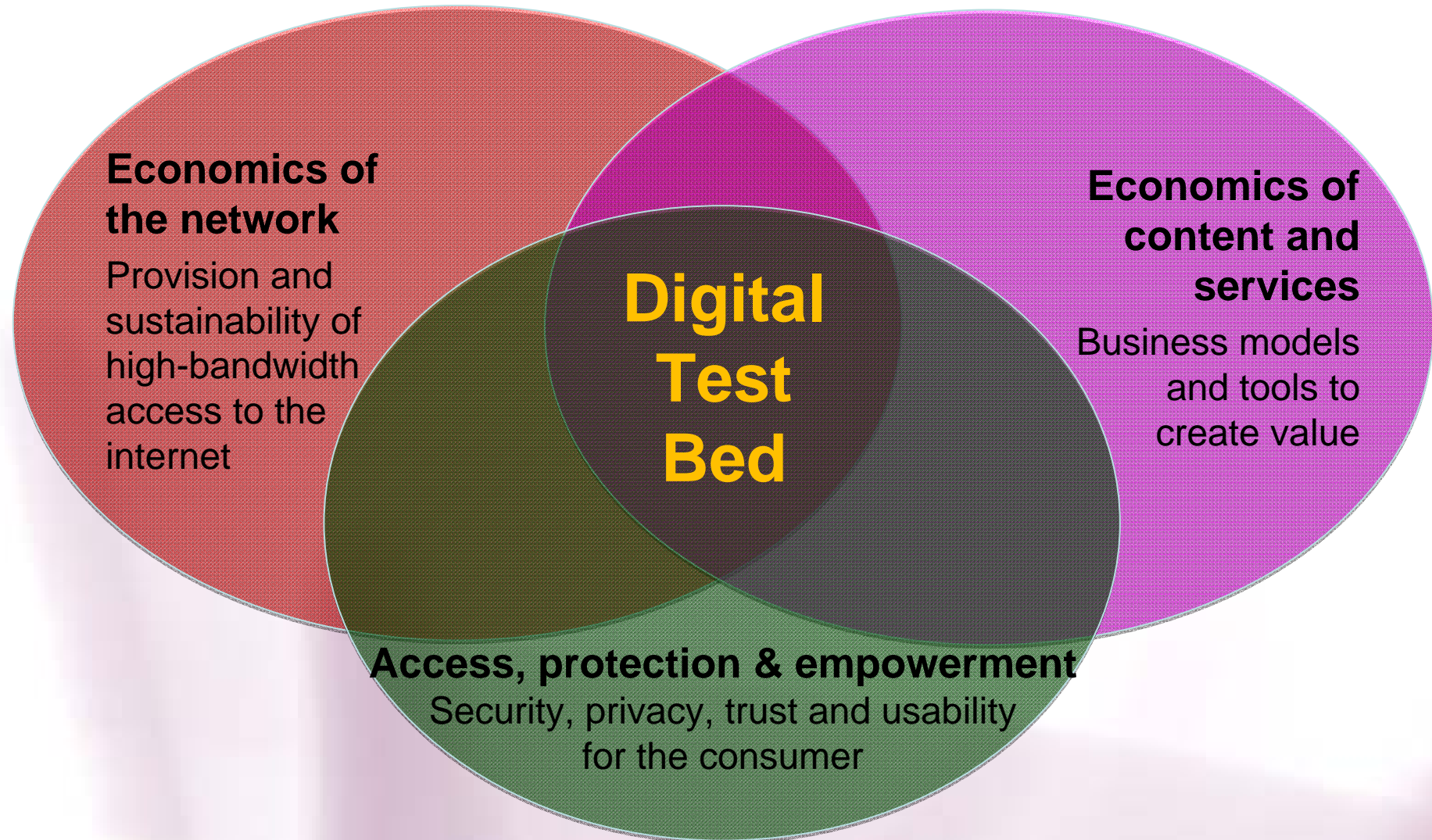
TSB's support to Digital Britain

- Published strategy in June '09

- A £30m programme
  - Instruments: Business-led R&D, Testbeds, Feasibility Studies

- Focus on value chain challenges

- Underpinning vision

  "For all participants in Digital Britain to benefit fairly from creation, distribution and consumption of digital content"

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Our strategy for 'Digital Britain'

JUNE 2009

The challenge unpacked

Economics of the network

Provision and sustainability of high-bandwidth access to the internet

Digital Test Bed

Economics of content and services

Business models and tools to create value

Access, protection & empowerment

Security, privacy, trust and usability for the consumer

Digital Testbed programme

- A £10m programme part of a wider programme in support to the Digital Britain agenda

- What do we mean with TestBed
  - An environment to simulate new business models across value chain boundaries
  - Using a set of **enablers**
  - That can be used by **real businesses** to experiment with and offer services to **real users**

- Not (just) about new technology

Three Stages of the TSB Digital Testbed

Gen I: On today's standard infrastructure.

- An environment with enablers **to test new business models**

Gen II: On existing advanced network infrastructure

- Demonstrating the additional business models that can be supported by **advanced** and **flexible** networks.

Gen III: On dedicated networks serving eg universities.

- Demonstrating possible business models and applications at **extremely high bandwidth** for the further future.

Other TSB's Programmes in F.I.-related areas

- Innovation platforms
  - Network Security Innovation Platform
  - Assisted Living Innovation Platform
  - Intelligent Transport System and Services

- Application areas
  - Creative Industries
    - E.g. It is estimated that about 80% of overall TSB investment in this area has been in ICT innovation
  - High value services

Data.gov.uk
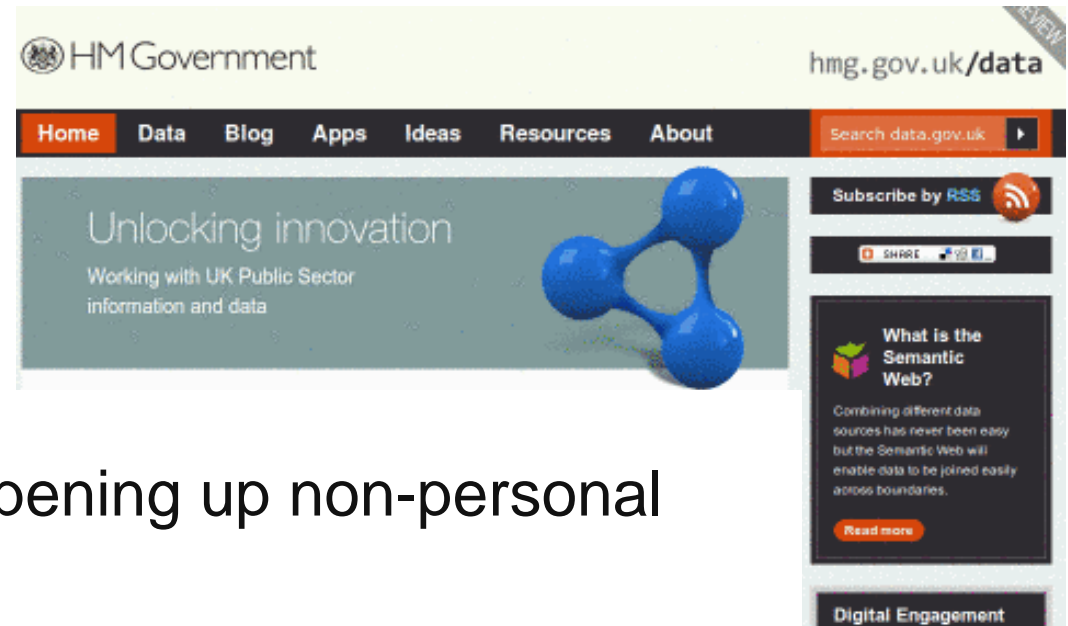
- High profile project for opening up non-personal data in the UK

- Led by Tim Berners Lee, with support from Prime Minister and Cabinet Office

- Data.gov.uk platform where data is aggregated and linked up using semantic Web

- Intense activity with Gmnt departments to publish data on platform

- Currently 1500 developers signed up for beta site

- Full launch planned in spring next year

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Digital Economy Programme

- A £140m program led by the UK Research Councils (funding agencies) with strong industrial participation.
- Rationale
  - Novel design or use of ICT to help transform the lives of individuals, society or business.
  - Early involvement of the user community
  - Multi-disciplinary input.
- Creating centres of critical mass, or Hubs
  - £12m each of funding
  - Horizon – Nottingham - www.horizon.ac.uk
  - Digital Inclusion – Newcastle/Dundee www.side.ac.uk
  - Rural Digital Economy – Aberdeen www.digital-rural.org
- 7 centres of Doctoral Training
  - 70 new PhD grants per year, 100 companies supporting centres

Digital Region - Project

- South Yorkshire Region

- €100m+ programme
  - Combination of EU Grants and loans

- Circa 500,000 households, 1.3m people, 40,000 businesses with FTTC solution
  - 30mps download, 10mps upload
  - 3 year rollout plan

- Possible the largest <u>open access</u> publicly owned network in the world

- Aiming to become a large innovation testbed

UK Future Internet Steering Group

- Industry/Academia-led group being set up by the Technology Strategy Board

- Aim
  - To give a voice to actors in the UK future internet sector
  - To offer collective advice to the UK government on future internet policy
  - To contribute to EC initiatives on the future of the internet

- Supported also by: DCKTN, FP7UK, Department of Business

UK Future Internet Steering Group

- Interim Chair
  - Nick Wainwright, HP Labs

- Secretary:
  - Andrew Oliphant (formerly vice-chair of NEM ETP)

- Committed so far:
  - A number of large industrial players and academic institution involved in F.I.

- More info before XMAS.

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http://www.innovateuk.org

THANK YOU