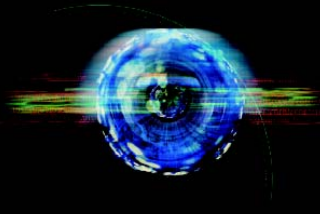


Connect & Catalyse

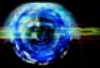
Innovation and the Role of the Technology Strategy Board

A Presentation to
the Foundation for Science & Technology



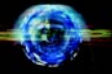
Iain Gray
Chief Executive

19 March 2008



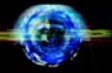
Technology Strategy Board





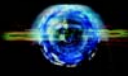
The timing is right

- The policy environment is favourable
- The science and technology 'pipeline is strong':
 - Computing, digital technology, new media
 - Genetics
 - New materials
- New business models
 - Companies more flexible, more entrepreneurial
 - Open Innovation
 - Broad innovation – R&D no longer a good measure



Three types of innovation

- **1 challenge led**
 - Seeing the great social & economic challenges as drivers of innovation
 - Climate change
 - Aging of the population
 - Security worries
 - Globalisation
 - Bringing companies, individuals, universities, government together to find innovative responses

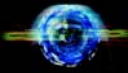


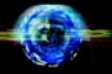
Innovation platforms

Already in place

- Assisted Living
- Intelligent Transport Systems & Services
- Low Carbon Vehicles
- Network Security
- Low Impact Buildings

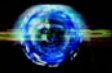
5 more to be launched





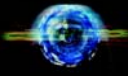
Government procurement

- £150 billion annually
- Harness at least some of that to promote innovation
- Biggest gain: if suppliers develop products they can market more widely
- Taking lead responsibility for Small Business Research Initiative
- But intend to do much more than that



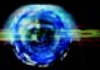
Three types of innovation

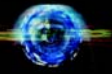
- 1 challenge led
- **2 technology inspired**
 - Build on the innovation assets we already have
 - Invest in success
 - Develop a pipeline of new technologies, processes, products



Three types of innovation

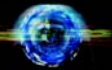
- 1 challenge led
- 2 technology inspired
- **3 innovation climate**
 - People choose to innovate
 - Creating a climate





Technology strategy board

- Independent: business led
- 610 years of business experience
- 16.6 years for each front-line staff
- Invest strategically
- Work with grain of the market
- Services as well as manufacturing
- International
- Willing to challenge, take risks
- Making it simpler



Three questions

1. Challenge-led innovation – the right approach?
2. Creative industries and other high value services – are they for us?
3. International – how do we work in a globalised world?



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