

Technology Strategy Board

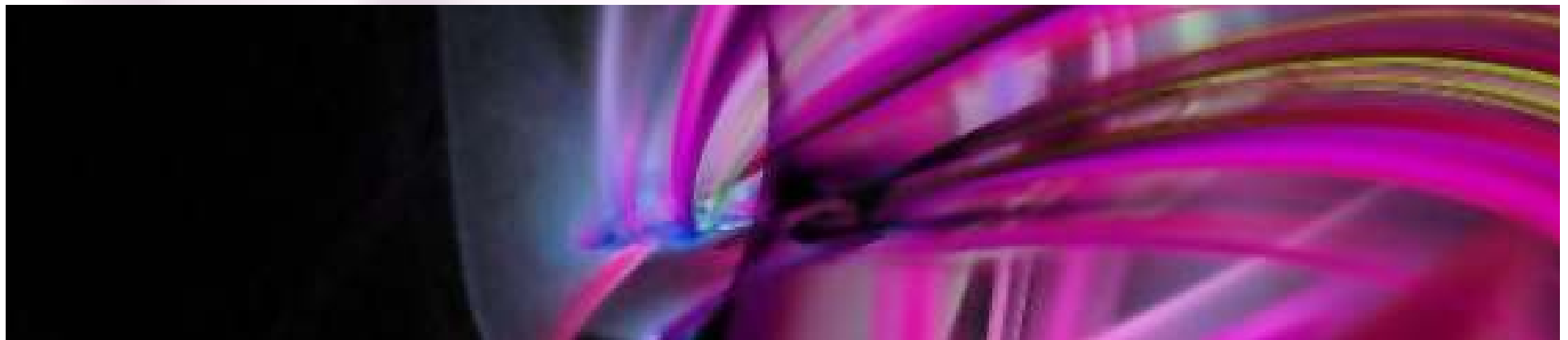
Driving Innovation

Technology Strategy Board support for Energy Harvesting

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Lead Technologist, Electronics, Sensors, Photonics

March 28th, 2012

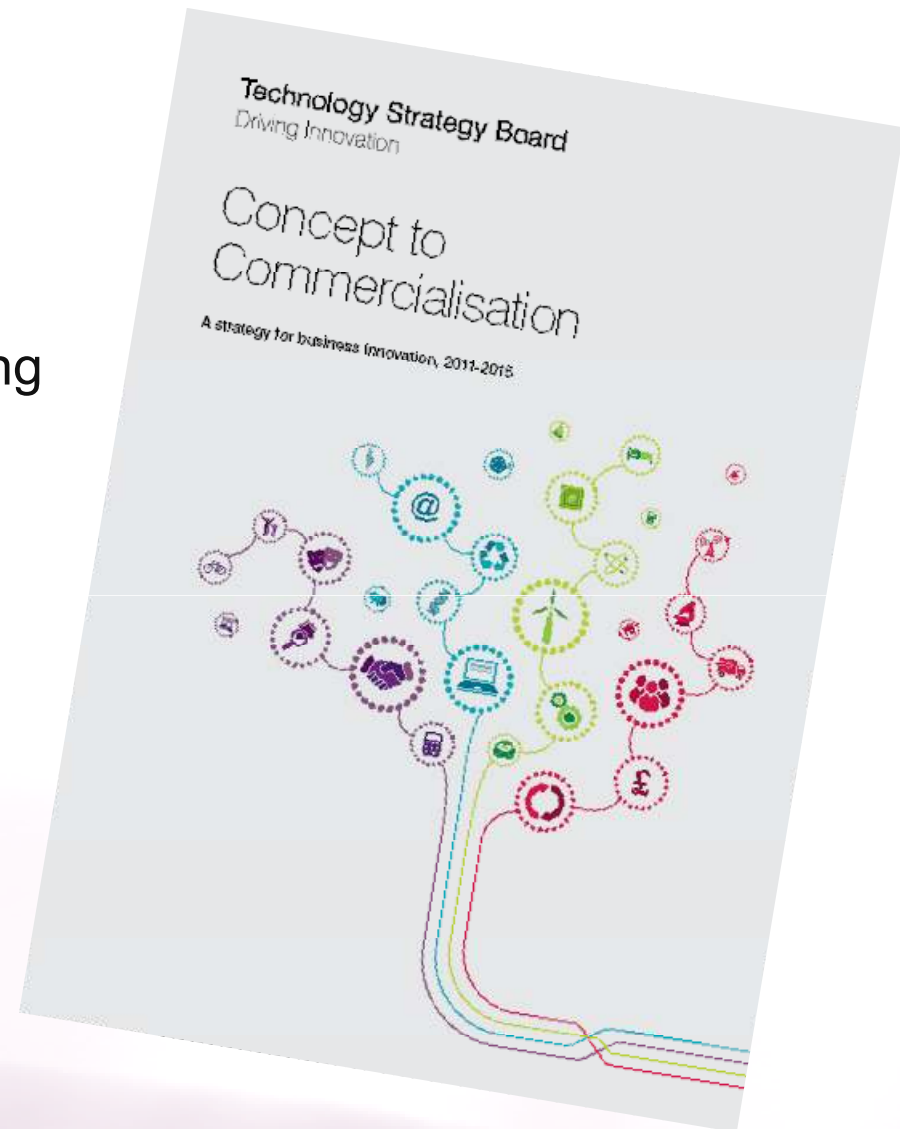


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Driving Innovation

Who are we?

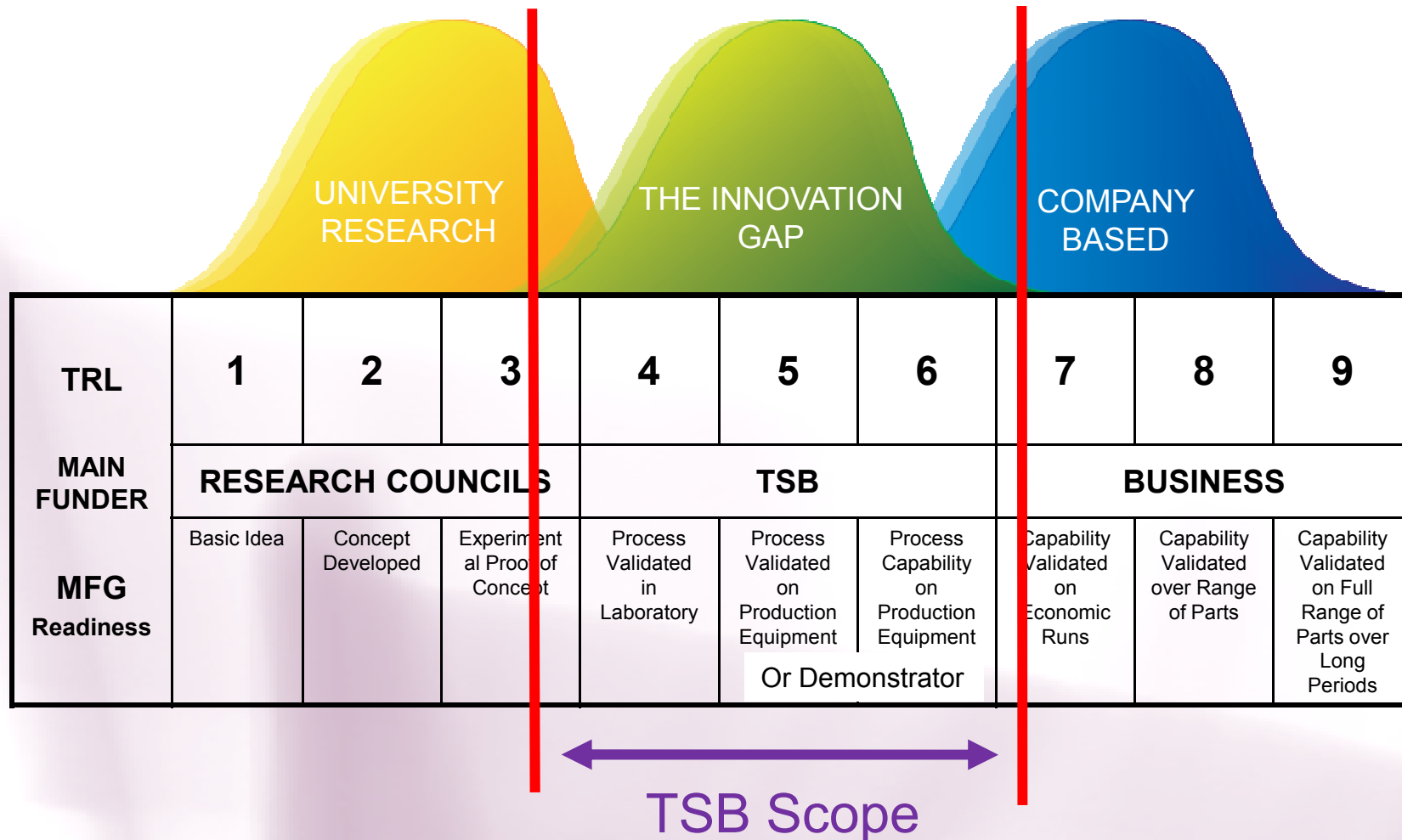
- An arm's length executive body guided by a business-led Governing Board
- Sponsored by the Department for Business, Innovation and Skills (BIS)
- We work across government departments and often in partnership with the research councils
- Focused on **business innovation** and the **application** of technology



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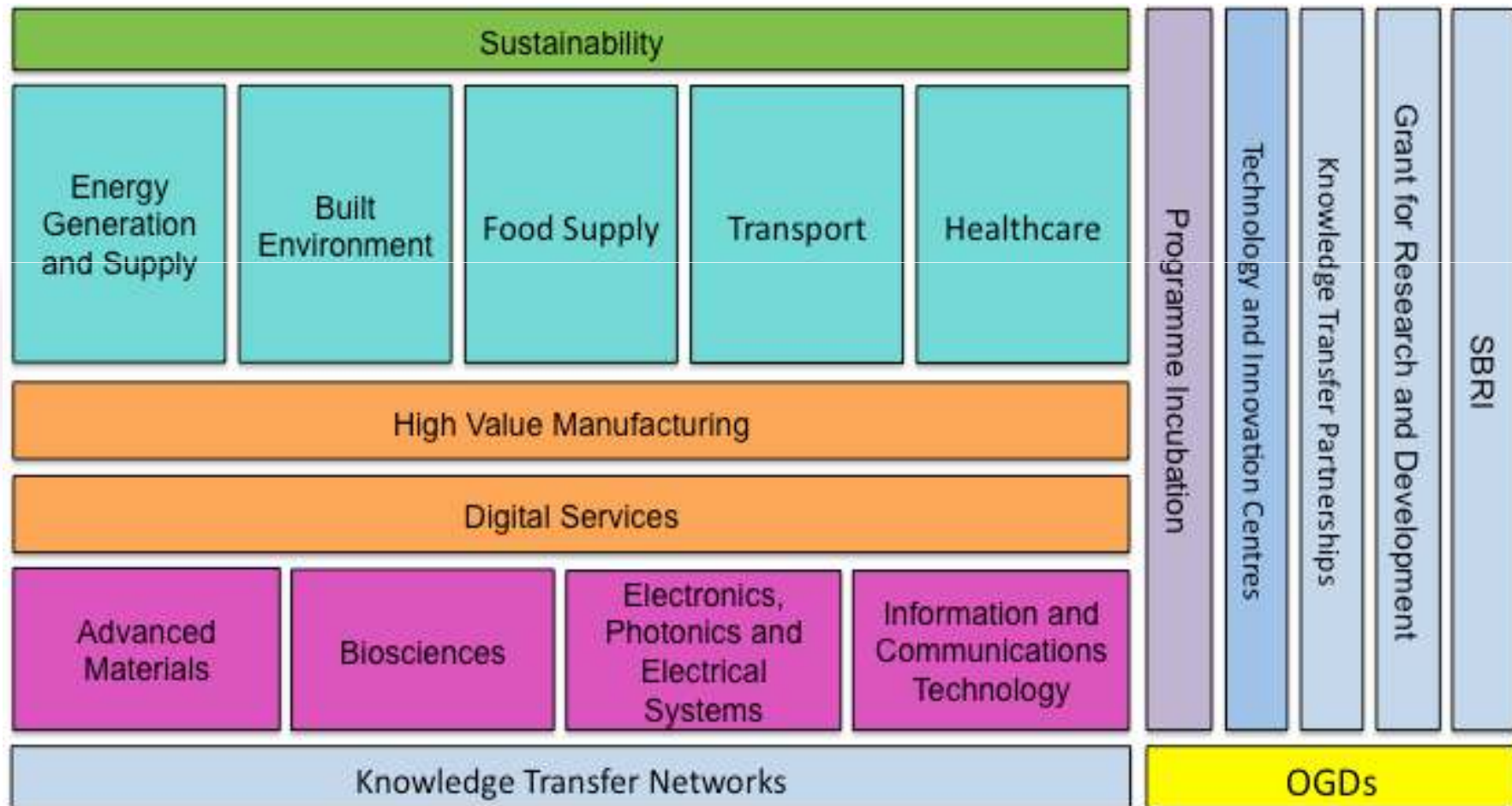
Funding Sources vs Technology Readiness Level



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Investing in Theme Areas based on Global Potential



Energy Harvesting

❑ In 2011, the TSB identified Energy Harvesting as a key emerging technology. At workshops the community asked us to:

- Invest in demonstrators
- Build critical mass
- Create a coordinated programme
- Build & nurture capability

❑ In 2012, we will act to support the community:

- Establish a competition to help build critical mass – scope of the competition to be agreed by consultation with the community
- Set up a Special Interest Group to bring together business, academia, policy makers etc. across technology and market sectors

Competition Plan

□ Current thinking:

- Collaborative R&D programme
- Single stage for fast response
- Competition launch in 4th Quarter 2012
- Feasibility study or demonstrators focus
- Competition scope to be defined with the community
 - Should it have a wireless sensor system focus?
 - Should it have a particular application focus?
 - Should it be broad or focus on key parts of the supply chain?
 -

Special Interest Group

- ☐ Bring together business, academia, policy makers and other interested parties to create commercial opportunities for EH.
- ☐ Connect academic networks with businesses to identify and pursue commercial opportunities.
- ☐ Highlight to business the opportunities provided by the technology and potential future visions.
- ☐ Help focus academic expertise on real world business challenges.
- ☐ Promote through an on-line community (using: _Connect and other on-line media).
- ☐ Run workshops and events as needed (in particular to clarify challenges to inform the scope of future competitions, and to help build consortia that can engage with business challenges)
- ☐ Ensure close links with the EH Network established by EPSRC

£2m: Technology-Inspired Innovation

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Technology-inspired
innovation
COMPETITION FOR FEASIBILITY FUNDING
MARCH 2012

- Small and micro companies – fewer than 50 employees
- Single company or collaborative
- Grants of up to 75% of costs (up to around £25,000) to suitable projects with total costs no more than £33,000
- A “Light-touch” 1-stage application
- Studies may become proposals for a 2012 follow-on competition - further details will be available Autumn 2012

Grant for R&D (SMART) Overview



- Assist micro, small and medium sized businesses and pre-start-ups
- UK wide
 - Supersedes RDA scheme
 - Working alongside Devolved Administration schemes
 - Discussing to align with DAs
- Single company grants
- Deliver successful new products, processes and services
- Economic Growth

SMART Grant Types

Grant Type	Intervention rate (responsive mode)	Max grant level	Max duration
Proof of Market	60%	£25,000 (max 20% upfront payment)	9 months
Proof of Concept	60%	£100,000 (lower of 20% or £10,000 upfront payment)	18 months
Development of Prototype	35% medium enterprises 45% small and micro	£250,000	24 months

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**To view our latest competitions and
activities please see**

<http://www.innovateuk.org>

