Technology Strategy Board
Driving Innovation

UK National Contact Points –
Who, what and why?

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What is the Technology Strategy Board?

- We are the UK's innovation agency - a national body set up by government to stimulate business innovation

- We work across business, universities and government

- We mostly come from business; together our 180+ people have over 2000 years' business experience

- We are responsible for investing over £350m per year in innovation

We stimulate and support business-led innovation in order to accelerate economic growth.

How can we help UK business bring new ideas and technologies faster to market?

Our 5 strategic focus areas

- Accelerating the journey - concept to commercialisation
  - Understanding the journey and how best to support it

- Connecting the innovation landscape
  - Developing strategic relationships in the UK, EU & International

- Turning Government action into business opportunity
  - Where Government procures, regulates, standardises…

- Investing in theme areas based on global potential
  - Building a synergistic programme based on data driven choices

- Continuously improving organisational capability
  - Impact assessment, metrics, measures, efficiency, effectiveness..

Accelerating the journey…

- Understand and speed up the innovation journeys of business

- A coherent package of support

- Support SMEs specifically

  - while recognising the role of large companies e.g. in supply chains

- Establish a network of technology and innovation centres

- Promote knowledge exchange and open innovation

Connecting the innovation landscape...

- Currently fragmented and difficult to navigate

- Create a more effective innovation environment, through building strategic relationships

- Joint activity with Research Councils

- Enable business to benefit from EU and international opportunities

European and international aims

- Focus on increasing UK business success in accessing European funding and maximising benefit

- Influencing Europe

- Bilateral activities which align with our strategic priorities and where there is benefit for UK business

- Exchange of information on innovation

- Working with Science & Innovation Network and UKTI
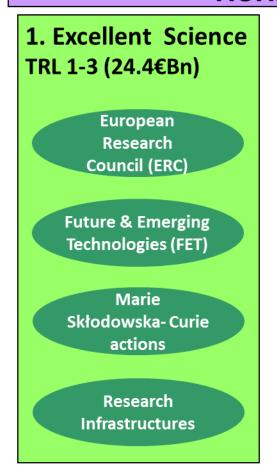
EU R&D and Innovation Support

- We provide help to business for accessing specific EU programmes and EU R&D and innovation funding generally.

- We offer a helpline, online resources and a network of National Contact Point experts.

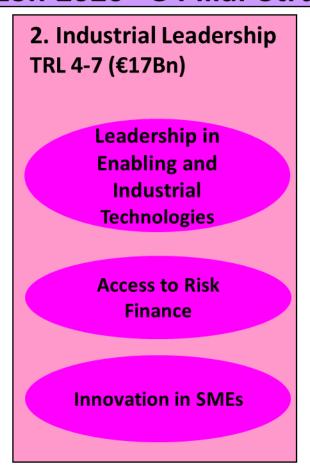- We also directly support a number of specific programmes and ERA-NETS.

https://www.h2020uk.org/home

Horizon 2020: What Is It?

- €70.20 billion **research and innovation** funding programme (2014-2020)

- Support for innovation – **focus on business** opportunities

- Simplified! (e.g. faster time to grant by 100 days)

- The European Commission supports collaborative Research and Innovation projects by means of grants.

- Calls are launched, inviting applicants to submit project proposals which fall within the remit of the Work Programme.

Horizon 2020 - 3 Pillar Structure

1. Excellent Science
TRL 1-3 (24.4€Bn)

- European Research Council (ERC)
- Future & Emerging Technologies (FET)
- Marie Skłodowska-Curie actions
- Research Infrastructures

2. Industrial Leadership
TRL 4-7 (€17Bn)

- Leadership in Enabling and Industrial Technologies
- Access to Risk Finance
- Innovation in SMEs

3. Societal (€29.7Bn)

- Health, demographic change and wellbeing
- Food security, sustainable agriculture, forestry, marine, maritime, inland water and bio-economy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, environment, resource efficiency and raw materials
- Inclusive, innovative and reflective societies
- Secure societies – protecting freedom and security of Europe and its citizens

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- Spreading Excellence and Widening Participation
- Science with and for Society
- EIT
- JRC

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Basic concept of Horizon 2020 (H2020)

- More funding and more varied funding

- Simplified list of types of action (e.g. research and innovation 100%, innovation actions 70%)

- Strong emphasis on expected impact

- Market exploitation - industry participation and market impact very important

- Collaboration: industry-academia links, transnational links

- Cross-cutting issues mainstreamed (e.g. social sciences, gender, international…)

Business participation

- SME participation in H2020 has a budgetary target of 20%

- Focus on promoting and supporting sustainable growth and overcoming the economic crisis

- Support to and involvement of industry, in particular high potential SMEs

- Importance of **market relevance and market impact** of research and projects

Business participation (2)

- Drivers for industry engagement
  - access to cutting edge research and to new ideas when collaborating with academics
  - the reputation and credibility that comes from working with a university,
  - access to grant funding
  - access to international partners and markets
  - spread of risk and risk sharing

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H2020 participation

Large companies:

> With existing R&D activity or that which could be stimulated and leveraged through Horizon 2020

Hi-tech SMEs:

> Spin outs from universities or firms with hi-tech and knowledge based products and in-house R&D capability

Mid-tech SMEs:

> With some R&D activity or that which could be stimulated and leveraged through Horizon 2020

Academic & Research Organisations:

> Experienced organisations in partnering and coordinating proposals within balanced consortia

UK National Contact Points for Horizon 2020

- Part of Technology Strategy Board (UK Innovation Agency)

- Each programme of H2020 Pillar 2 (Industrial Leadership) and Pillar 3 (Societal Challenges) has a dedicated National Contact Point

- Support to all UK organisations, with a particular focus on industry

- No wrong door policy

- www.h2020uk.org and https://connect.innovateuk.org/

National Contact Points

- Advanced Manufacturing and Processing

- Climate Action, Environment, Resource Efficiency and Raw Materials

- Energy

- Europe in a changing world - inclusive, innovative and reflective societies

- Food Security, Sustainable Agriculture & Forestry, Marine & Maritime and Inland Water Research and the Bioeconomy

- Health, Wellbeing and Demographic Change

- ICT and Future and Emerging Technologies

- Legal and financial

- Research Infrastructures
- Science with and for Society

- Secure Societies

- Small and Medium Enterprises (SMEs)

- Space
- Transport

  https://www.h2020uk.org/national-contact-points

NCP support

- Feedback to/from EC on work programmes

- Clarification of documentation and rules

- Guidance on choosing thematic priorities and instruments

- Scope queries with Project Officers

- Advice on administrative procedures and contractual issues

NCP support

- Support with the application process (workshops and 1-2-1)

- Feedback on draft proposals

- Assistance in partner search

  - through theme specific databases or across the network of other Member State NCPs

  - through network support (EEN, KTN, etc)

- Some feedback on results...

Technology Strategy Board:
www.innovateuk.org

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