

# 13<sup>th</sup> Annual APGTF Workshop:

## ‘Carbon Capture & Storage – a Showcase of UK Research & Development’

Philip Sharman, APGTF Chair

20 February 2013

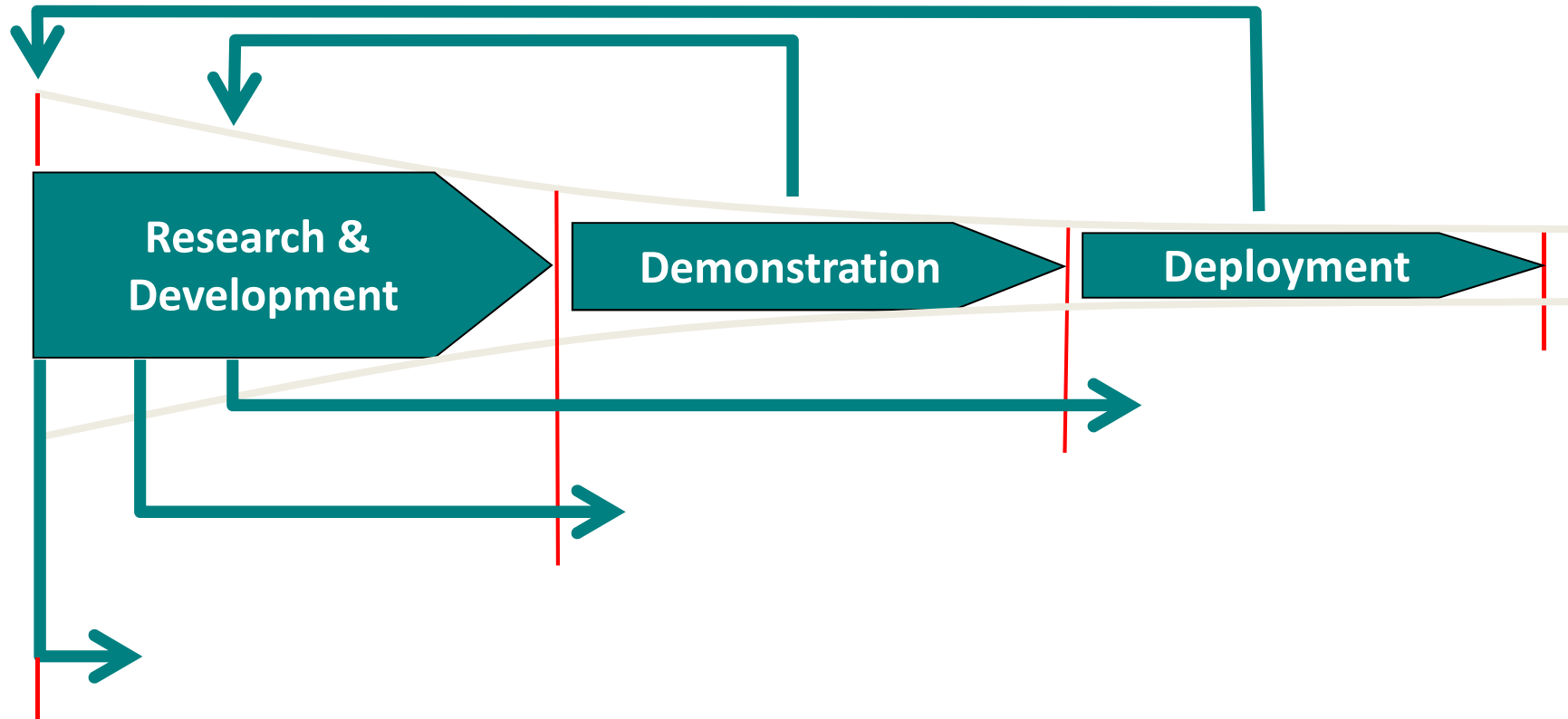


# What is the APGTF?

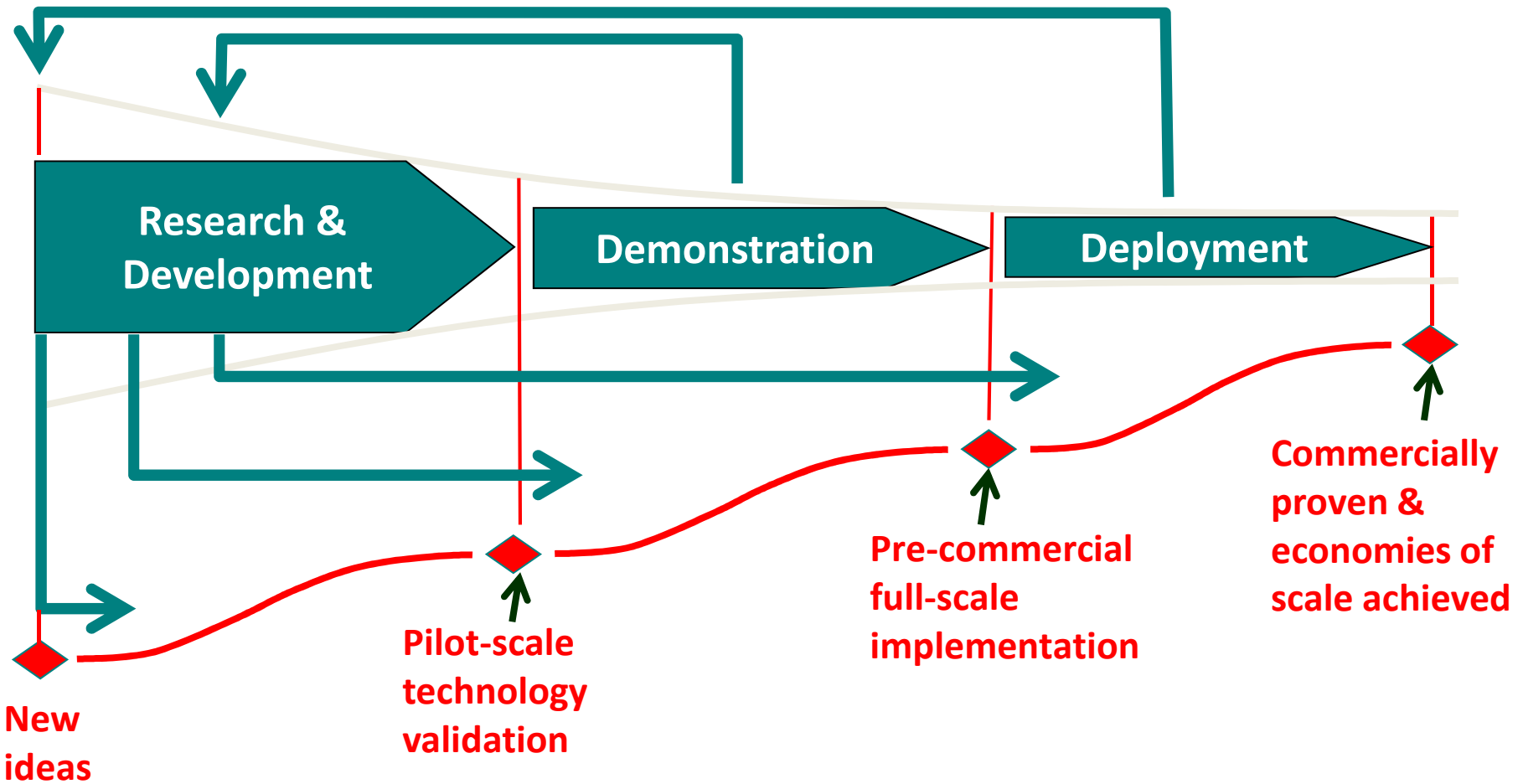


- UK industry-led stakeholder group – Power Gen sector
  - Power utilities
  - Equipment manufacturers
  - Fuel suppliers
  - Technology providers (eg universities)
  - CO<sub>2</sub> storage sector (for CCS)
  - Consultancies
- Strong links with relevant trade associations
- Public sector and university representation
- Technology focus: long-term, proactive – RD&D
- Focus on fossil fuel carbon abatement technologies:
  - plant efficiency, biomass co-firing, CCS

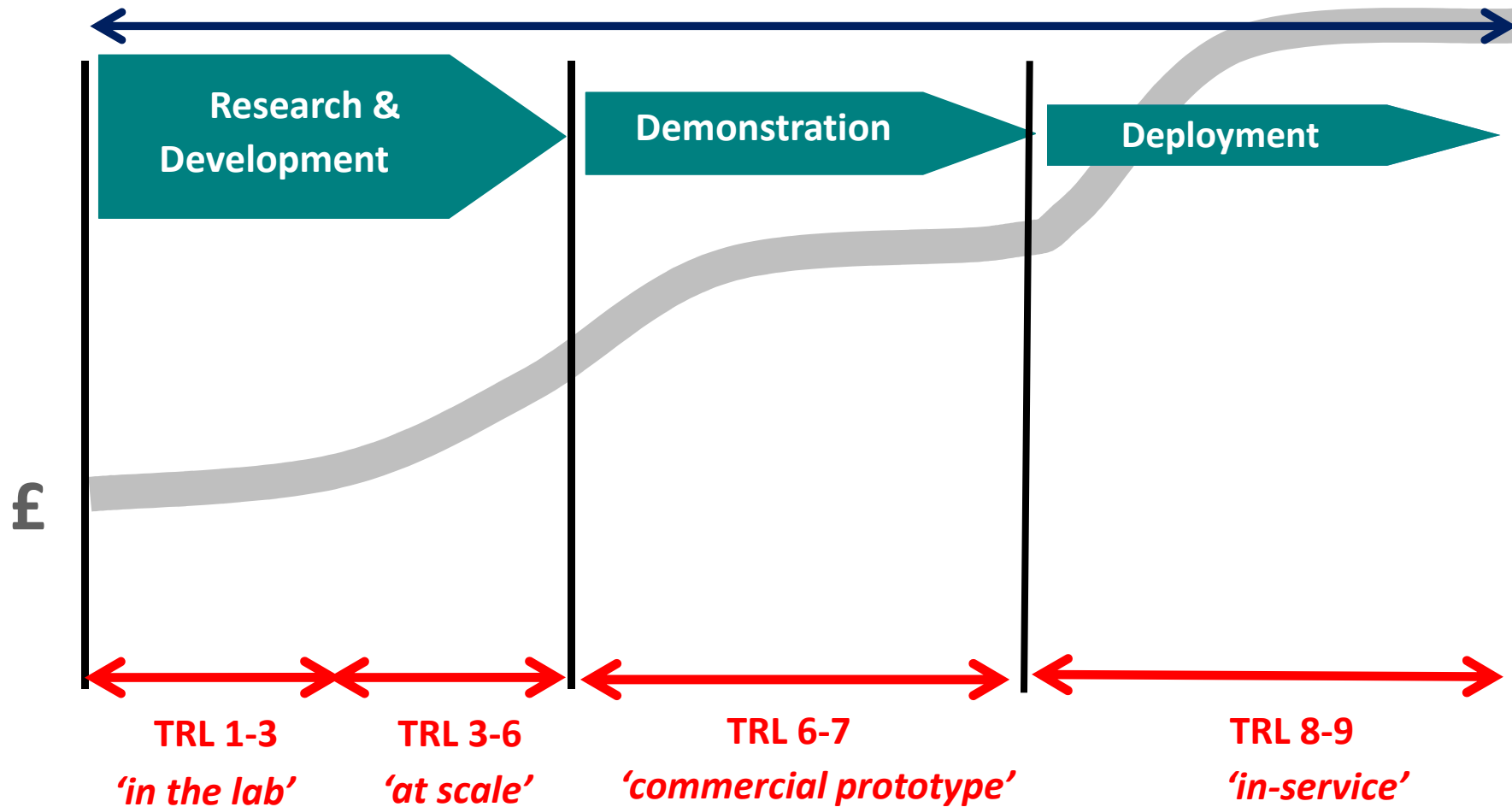
# The UK energy RD&D landscape



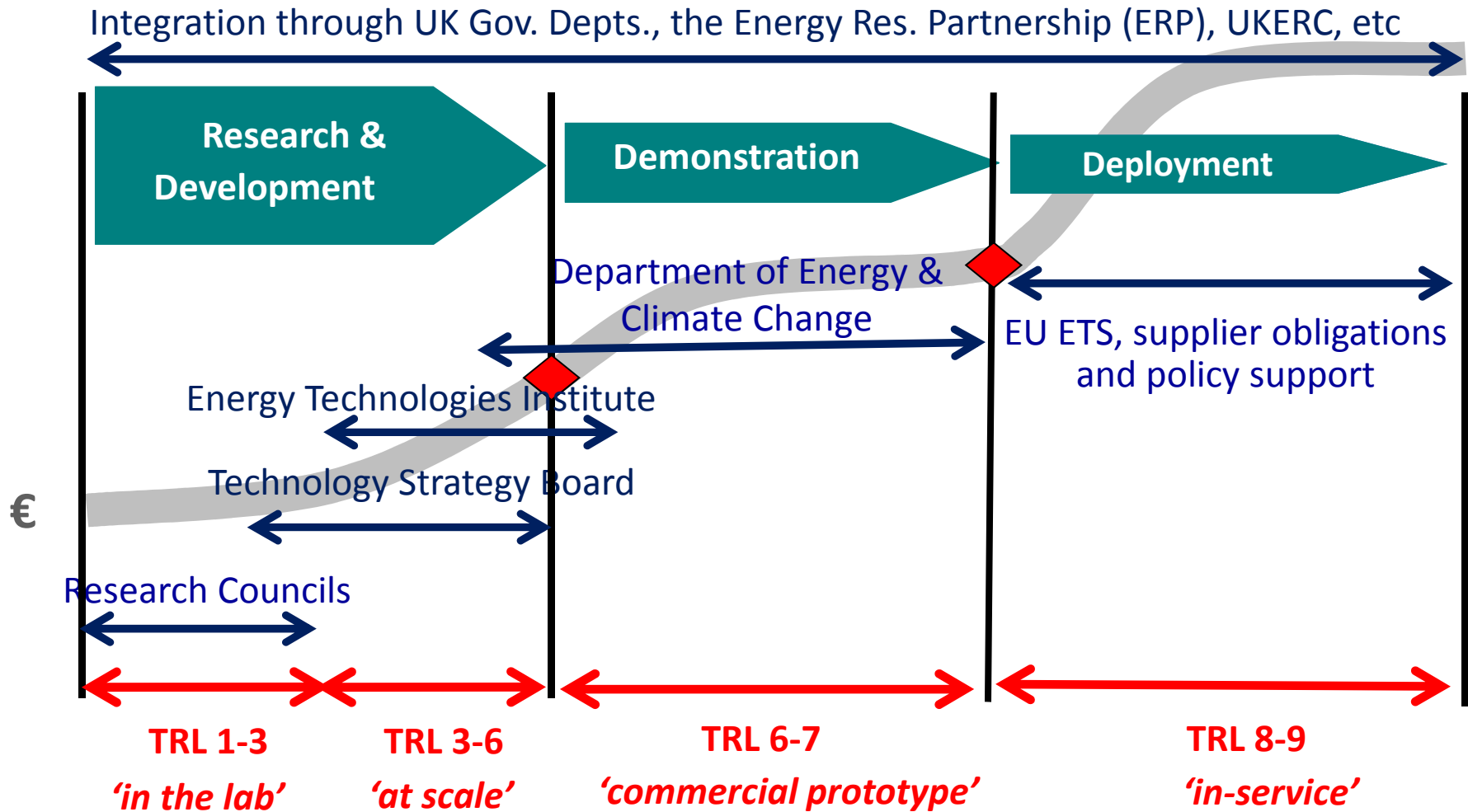
# The UK energy RD&D landscape



# The UK energy RD&D landscape – funding



# The UK energy RD&D landscape – funding



# Today's Programme:

## Researching 'future generation' CCS & associated technologies



- **Overview: The UK CCS R&D Programme (DECC)**
- **Keynote #1: CCS in the UK – direction of travel (BIS)**
- **Part 1: 'Future generation' CCS & related technology research**
  - Research Councils' Energy Programme
  - Biomass and Fossil Fuel Research Alliance
  - 9x research projects
  - 3x linkages to applied R&D
  - Industry perspectives
  - Panel discussion
- **Reception (EG&S KTN): 17:00 – 18:00**

# Tomorrow's Programme:

## Developing 'next generation' CCS technology



- **Keynote #2: De-risking CCS (ETI)**
- **Part 2: 'Next generation' CCS technology applied R&D**
  - 11x CO<sub>2</sub> capture projects
  - **Keynote #3: Cost reduction potential in CCS systems (CRTF)**
  - 3x CO<sub>2</sub> transport, metering & clusters R&D projects
  - 5x CO<sub>2</sub> storage, monitoring & verification R&D projects
  - 4x CO<sub>2</sub> utilisation R&D projects
- **Part 3: Next steps**
  - **Keynote #4: Enabling the roll-out of CCS (DECC)**
  - Panel discussion
  - Conclusion (closes at 17:00)



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