



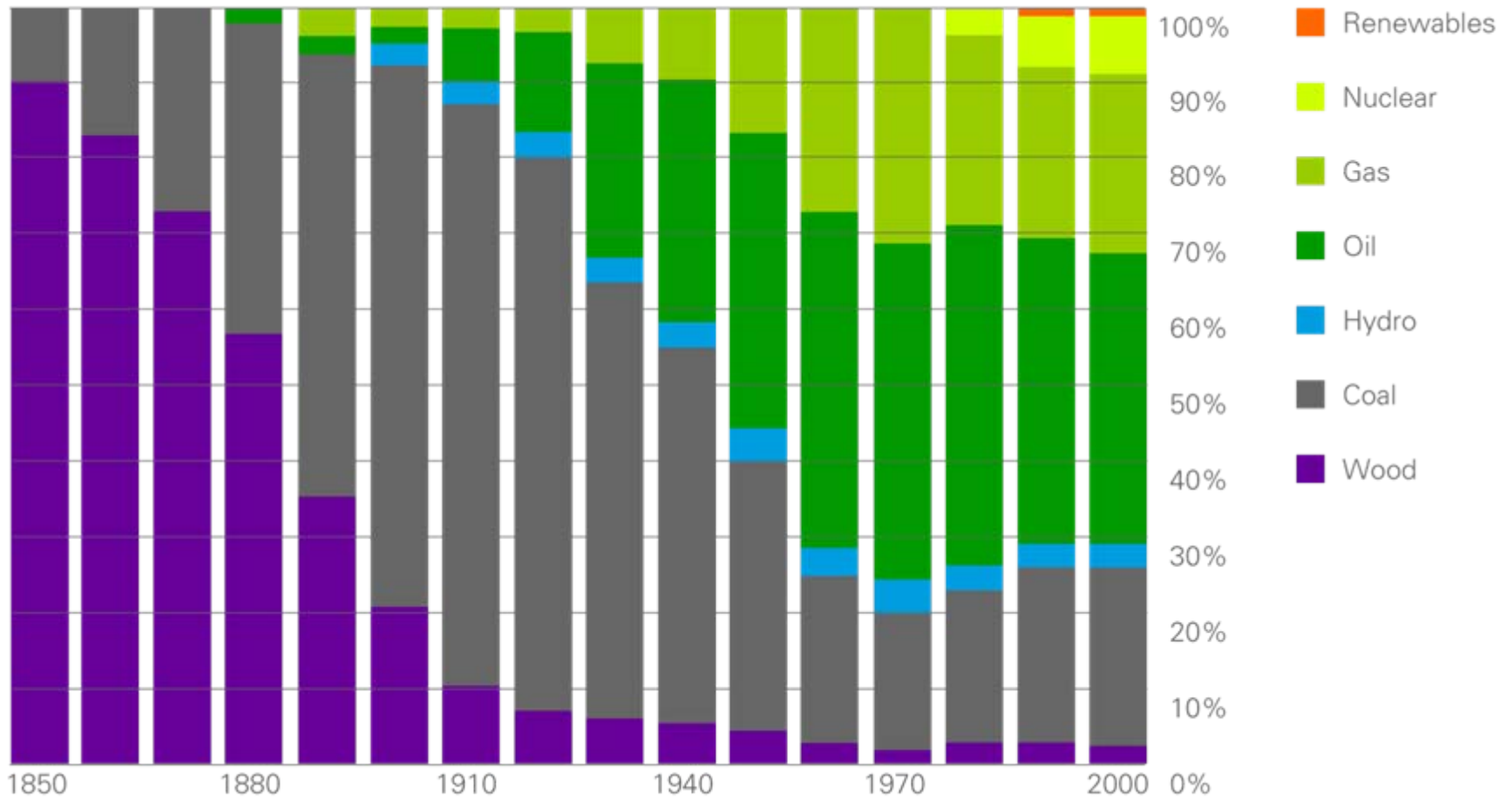
# UK energy innovation

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# Energy context



## US energy supply since 1850:



Source: US Energy Information Administration

# Assessing research impact



## Quality of UK S&T base

Research university legacy  
1% of the world's population, but...  
...14% of the world's most cited papers  
R&D 1.8% of GDP  
2nd to the USA in # of Nobel prizes

## Assessing impact – business

Strategic alignment  
Sustainable capability  
Collaborative organisation  
Technology management  
- Competitive benchmarking

## Dimensions of impact

Skills base  
Business competitiveness  
Business creation  
Inward investment  
Global application and licensing

## Assessing impact – government

Jobs  
Wealth creation  
Knowledge absorption  
Resilience  
Quality of life

# Enabling innovation



- Target policy support to reflect technology maturity
- Focus resources on the best research institutions
- Encourage the commercialisation of discoveries
- Invest in public private partnerships. Some BP examples:
  - BP Institute at Cambridge
  - UK Energy Technologies Institute

# In summary



- Innovation in energy is unlike most other industry sectors
- The UK is well placed to embrace energy innovation
- To make innovation truly impactful, the right partnerships are critical
- Balance of collaborative vs competitive

