



UNIVERSITY OF  
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# Promoting Investment in Clean Fossil Fuel Technologies

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# *Why* promote such investments?

- Is CCS viable at likely EUA prices?
  - Or does it need additional support?
- Is the option value of making plant capture-ready sufficient for commercial investment?
  - If not is this socially worth subsidy?
- Would trial plants deliver learning spillovers justifying additional support?
  - Is the best technology well defined yet?
  - Is the benefit in linking the parts?

# *Where* best to promote investment?

- Who has comparative development advantage?
  - Chinese technical universities like Tsinghua?
  - Plant with access to EOR?
- Who captures the learning benefit?
  - equipment manufacturers? In what country?
- Where best to demonstrate storage?
  - to overcome public suspicion?
  - to test out unresolved geological concerns?

# *How* best to promote investment?

- Tender for capacity subsidy?
  - Would EUA justify extra running costs?
  - Or is a feed-in tariff also needed?
- What scale of plant delivers highest learning spill-over per \$ subsidy?
  - 30MW? 300 MW? 660 MW? 1,300 MW?
- How are China, India, SA best encouraged?

# *Who* should pay?

- Include it in cost of electricity?
  - => Poor consumers subsidise R&D
- Public funds (as with most nuclear R&D)?
- Revenues from auctioning EUAs?
  - No point in allocating any to ESI