



Driving innovation through Sustainable Public Procurement:

The state-of-the-art of academic research

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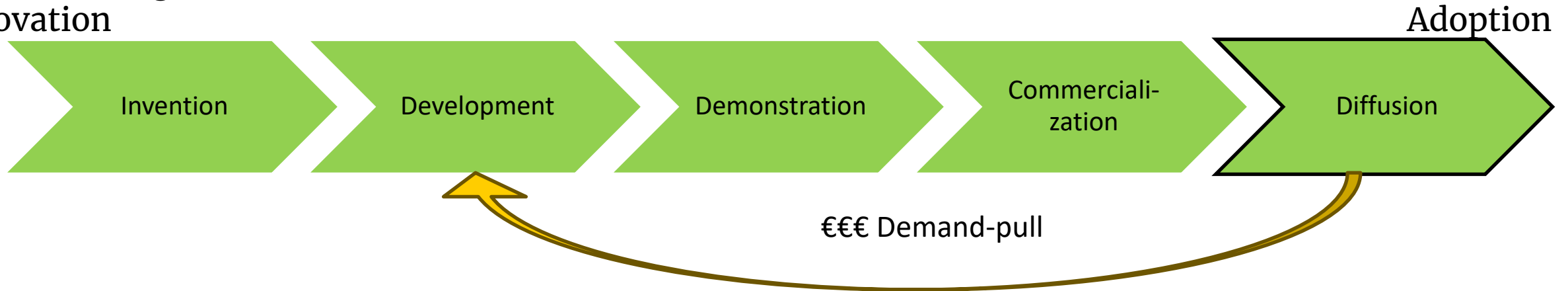
Why sustainable procurement is a good idea

Macro argument:

Endogenous & directed technological change

→ 'Path-dependency'

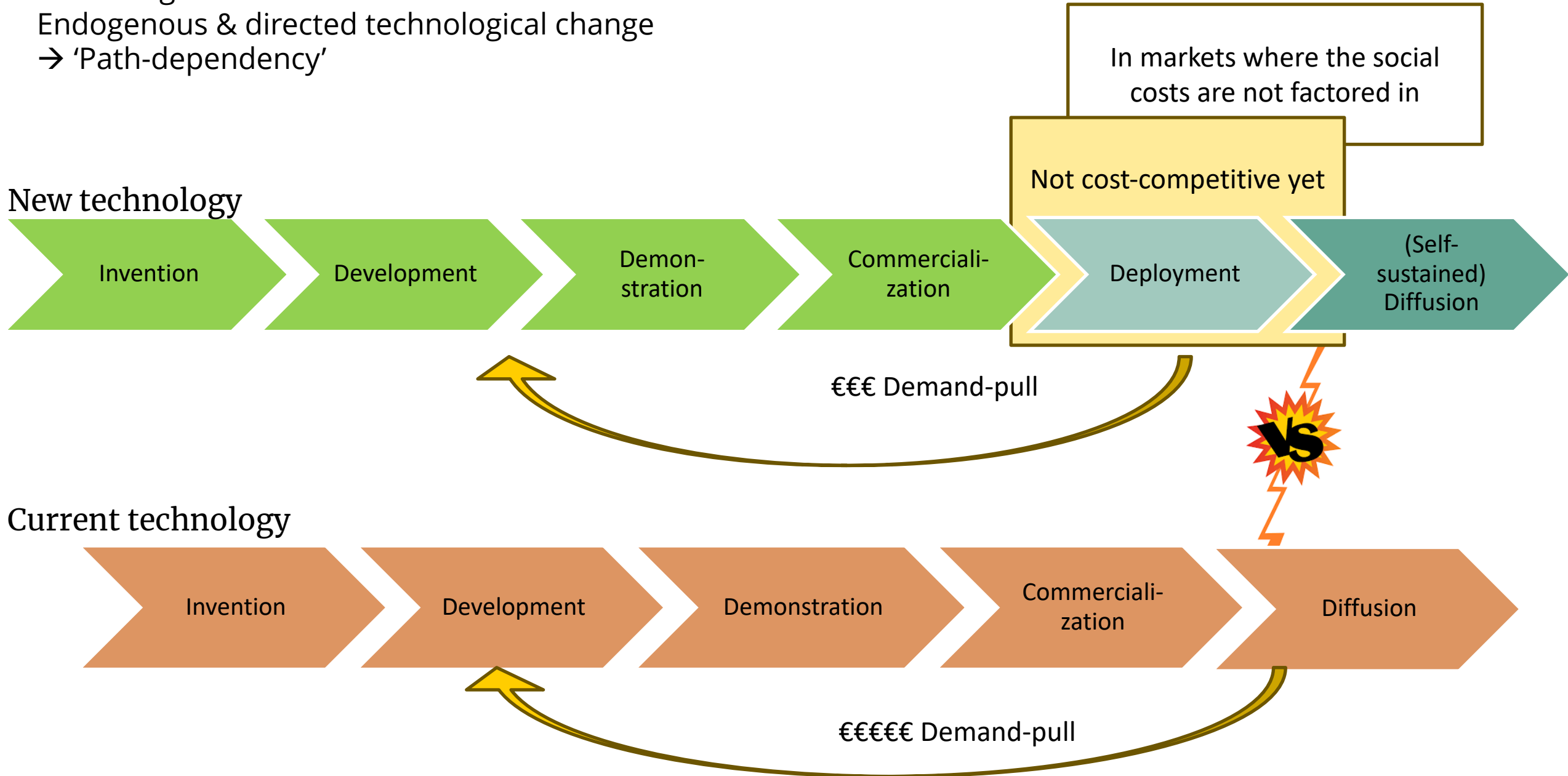
New technology:
Innovation



Based on: Grubb et al. (2021). *Induced innovation in energy technologies and systems: a review of evidence and potential implications for CO2 mitigation*. Environmental Research Letters, 16(4), 043007.

Why sustainable procurement is a good idea

Macro argument:
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Why sustainable procurement is a good idea



- *Speed*: scale impulse to deployment → accelerate further development towards maturity and self-sustenance



- *Signal*: indicating market opportunities to suppliers, supporting investment



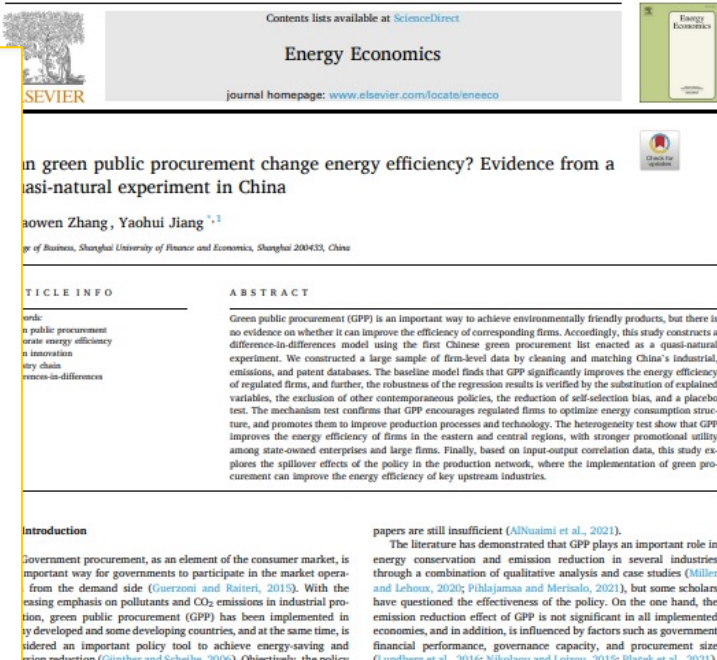
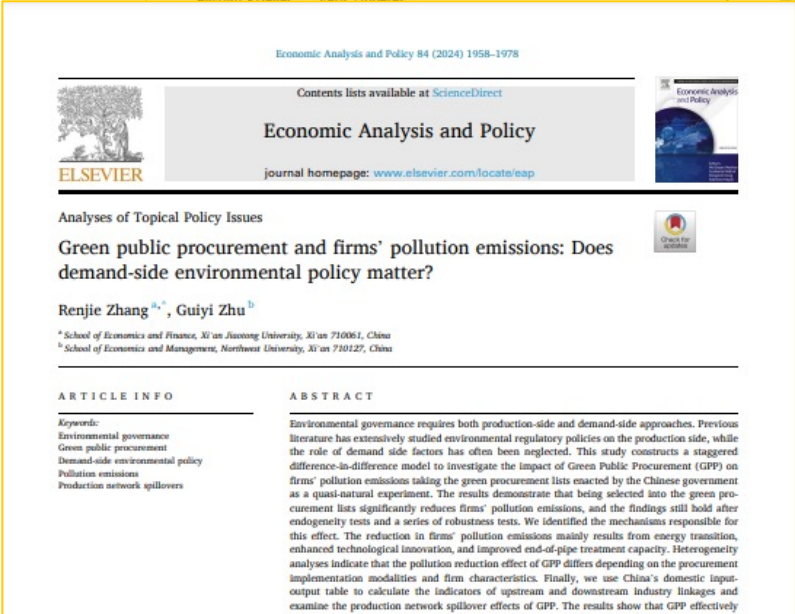
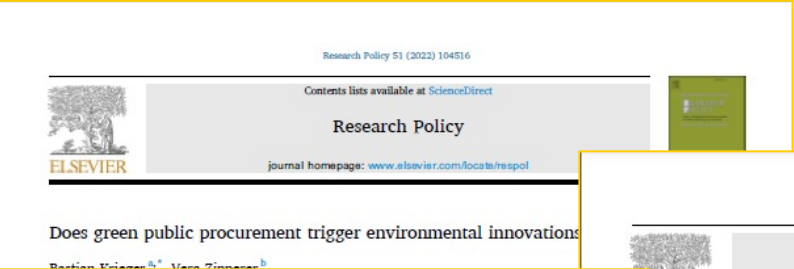
- *Slow down*: the more 'regular' procurement, the further a 'dead-end' technology can develop
→ **procurement is not neutral/regular**

The research so far

Sustainable public procurement leads to:

- Eco-innovation en CO₂ reduction by suppliers
- More ecological supply on the market (despite limited market demand %)
- Increased capital investments (internal & external funds)!

The more consistent sustainable demand is, the larger the effect





Okay ... but how?



Innovation friendly sustainable procurement

‘Functional’ procurement,
(semi) tech-neutral

Reward improvements
beyond minimum
requirements

Benchmarking and
communicating best available
technologies

Collaboration → adaptive
capacity