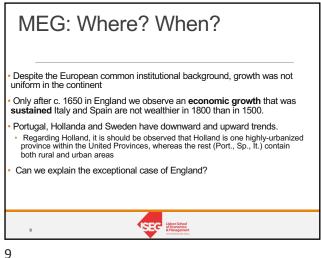


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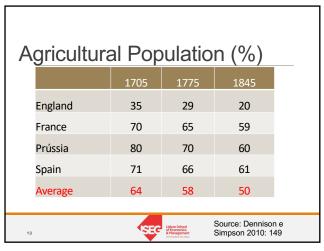




## The Agrarian Deadlock In an Economy with stagnant productivity, what would have happened if there were a massive transfer of labour from Agr to Industry? With reduced labour, the · This: supply of agricultural products would decrease. As demand for agricultural products remains constant, there is an upward pressure on agrarian prices.

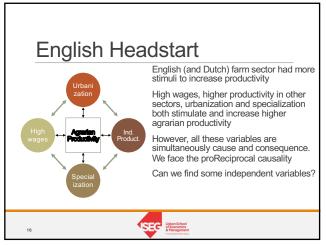
The Agrarian Deadlock (2) But, what about imports from more specialised countries? • Not a solution: 1. 18th-century Europe lacked the technological conditions to transport bulk agrarian goods across borders Given proteccionism and great powers' frequent wars, there no political conditions for steady imports pof essential goods As such, each country had to grow its agriculture. By 1700, England was clearly more successful

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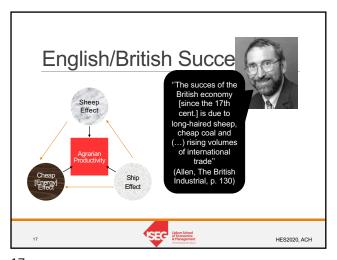


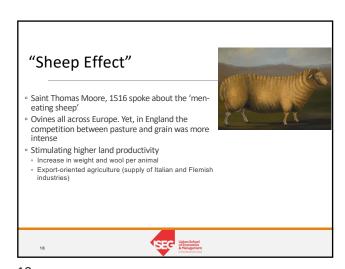


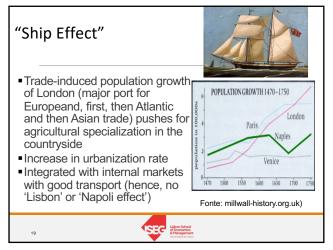
Real Labour Productivity in Agriculture (100 = England in 1800)					
7 (91100)	1600	1700	1750	1800	
England	53,1	80,4	107,7	100,0	
Belgium	88,1	83,9	85,3	77,6	
Holland	74,1	86,7	103,5	100,7	
France	50,3	51,7	55,9	58,0	
Italy	58,0	56,6	49,0	39,9	
Spain	53,1	60,8	55,9	49,0	
Germany	39,9	37,8	39,2	46,9	
Austria	39,9	51,7	69,9	51,5	
Poland	54,5	65,7	65,0	74,8	
average	56,7	63,9	70,1	66,4	
15	· ·	Lisbon School of Economics & Hanagement		Source: Dennison e Simpson 2010: 150	

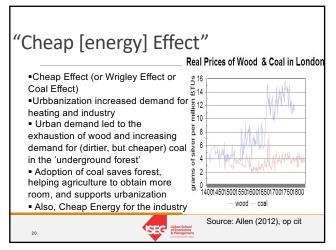


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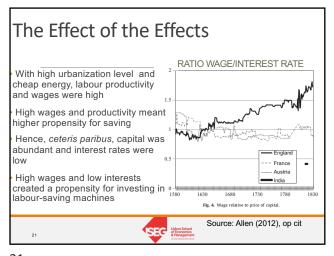


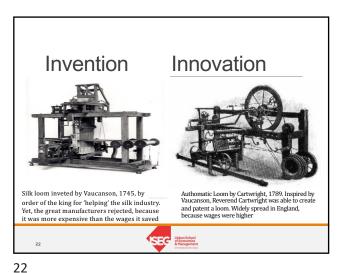






19 20





High wages relative to Capital and Energy

RATIO WAGE/ENERGY PRICE

Additionally, England had abundant (and cheap) supply for the most promising form of energy: steam!

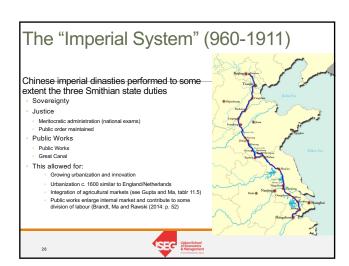
Thus, English businesses had for more incentives to experiment with steam machines and with technology in general

Source: Allen (2012), Backward into the future: The shift to coal and implications for the next energy transmort.



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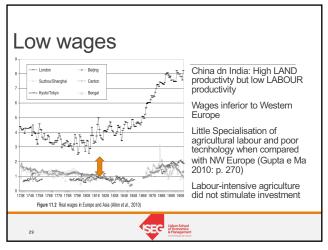


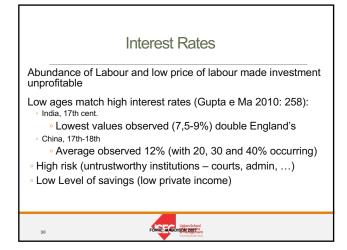






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## **International Trade**

- According to Brandt, Ma and Rawski (2014) and Gupta and Ma (2010) confirm the idea that China did not benefit from International Trade (India did and hence its silver wage grew)
- Chinese external trade (Imp+Exp) pre-1800 was inferior to 1% of the GDP (Brandt, Ma and Rawski, 2014: p. 52)
- No Chinese demand for European manufactures or products (except silver)

opt silver)

SEG Upon Gried
A Recognition
A Recognition

**Demographic Problems** In the patrilocal Asian Family Model, falling wages led families to increase the quantity of labour Universal marriage High fertility (young age of brides) This led to population growth, which contributed to further deterioration of wages, without any technological improvements GDPpc China/ GDPpc 113% 67% 59% 49% 16% 10% Pop (million) 160 138 381 358 437 Source: Brandt, Ma e Rwaski, 2014, p. 50

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