

Smart Society Conference 30–31 January 2018 Sundsvall

DENSE, SPARSE, HIGH, LOW, EARTH OR MOUNTAIN? BUILDING PATTERNS AND DIGITALISATION IN A HEATED CLIMATE

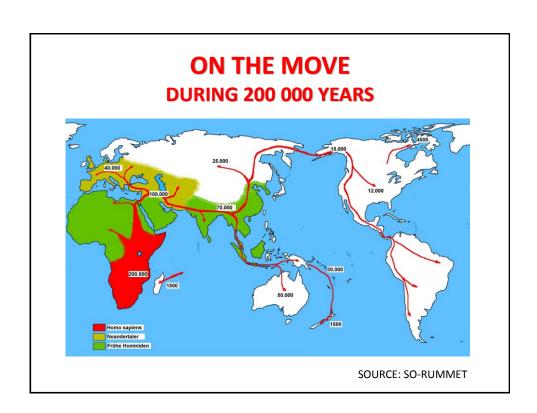
Lars Westin

Professor in Regional Economics
Centre for Regional Science (CERUM)
Umeå University

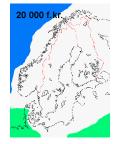








GETTING HEATED 1 ICE AGE AND CLIMATE CHANGE











LAND RAISE Louis Agassiz, Otto Torell around 1860

UMEA. LA

THE ADVANTAGE OF CITIES

THE NEOLITHIC REVOLUTION 10 000 YEARS AGO

"THE HILLY FLANKS"

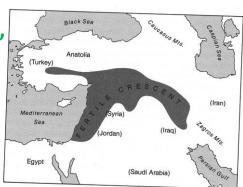


Figure 8.1. The Fertile Crescent, encompassing sites of food production before 7000 B.C.

TWO CENTRES: WEST AND EAST EURASIA

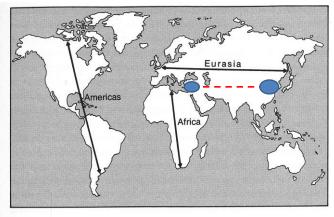
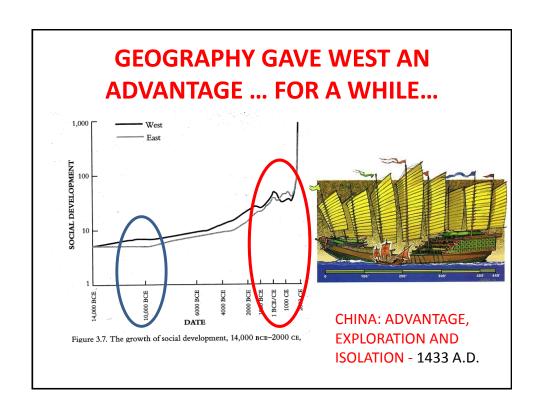


Figure 10.1. Major axes of the continents.



GETTING HEATED 2 1781 STEAM



James Watt





PUBLIC TRANSPORT





THE INDIVIDUAL CAR



1801 Puffing Devil



GASOLINE Karl Benz 1885



Electric Car 1881



VISION 1918: ONLY A FINGER!

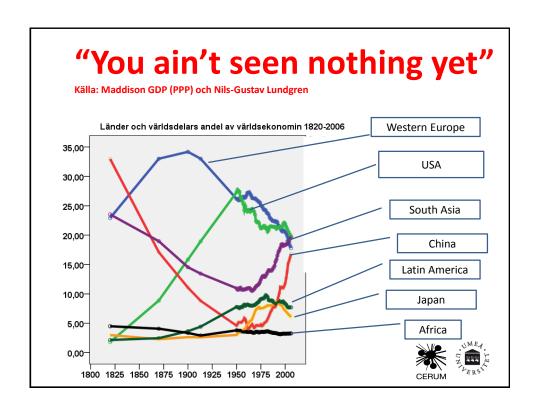
THE COMPACT CITY

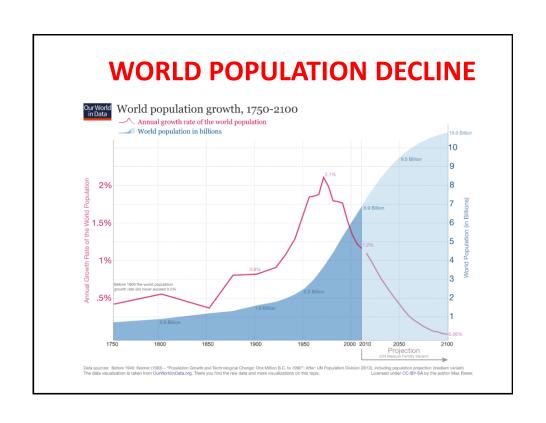


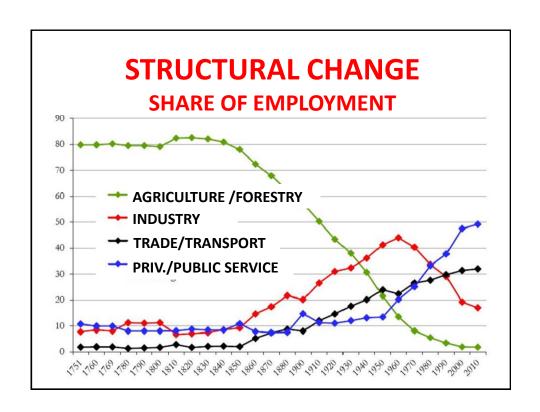
LONDON

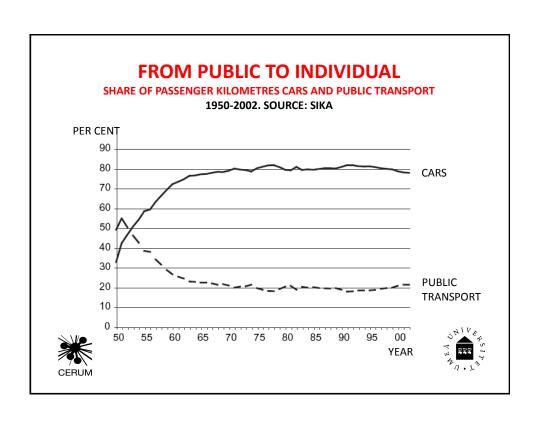


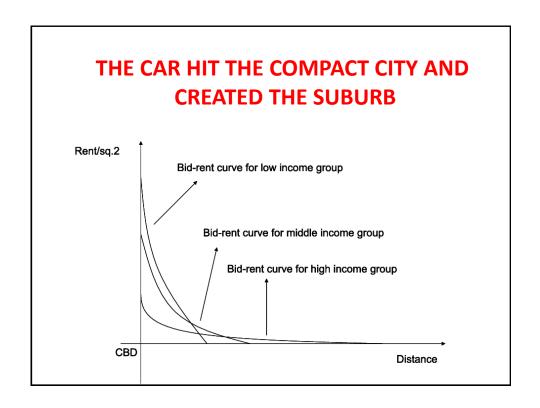
HONG KONG

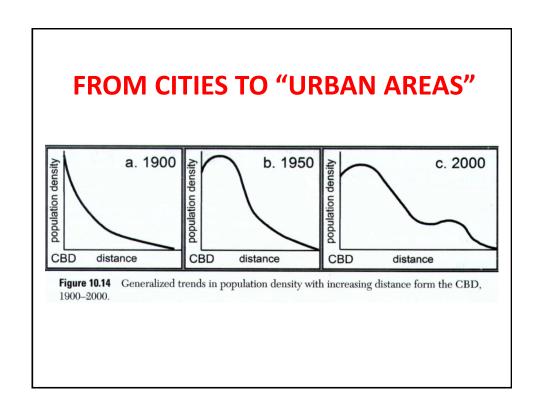


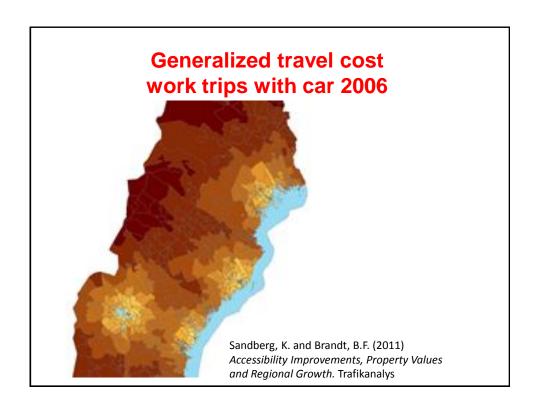


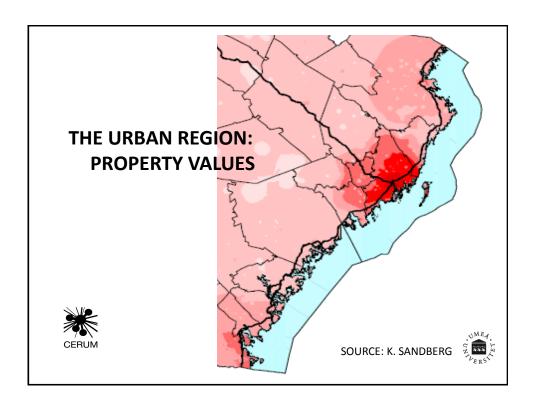


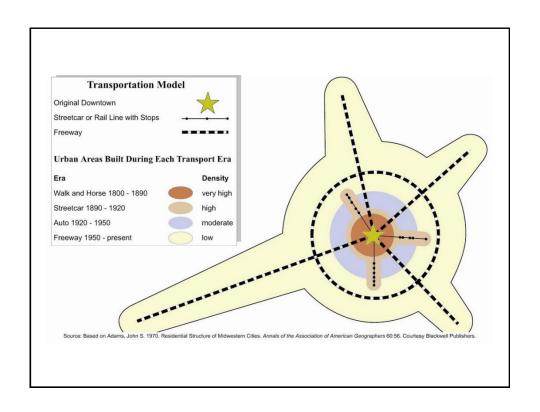


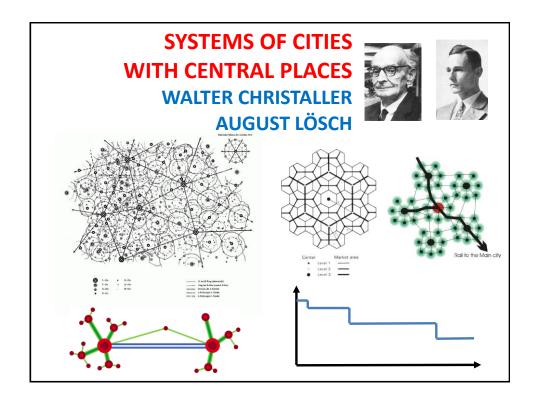


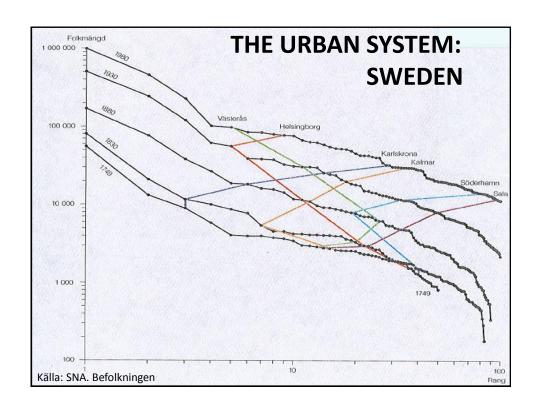


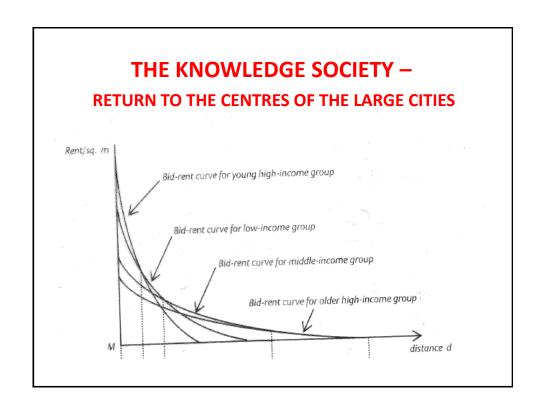


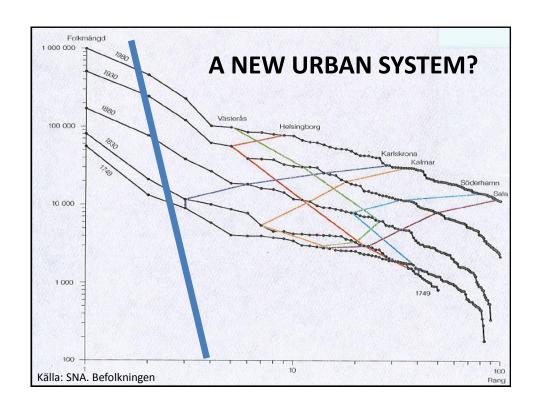










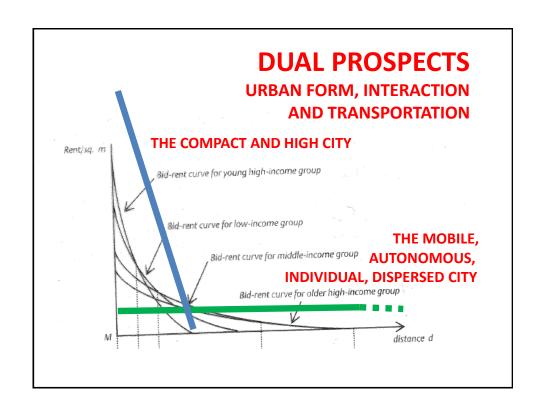


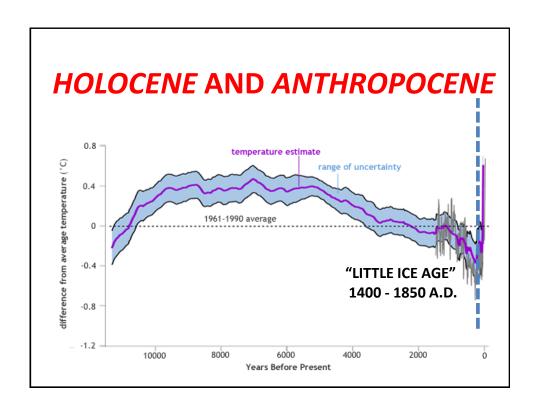
THE FUTURE OF MOBILITY THE FUTURE OF CITIES



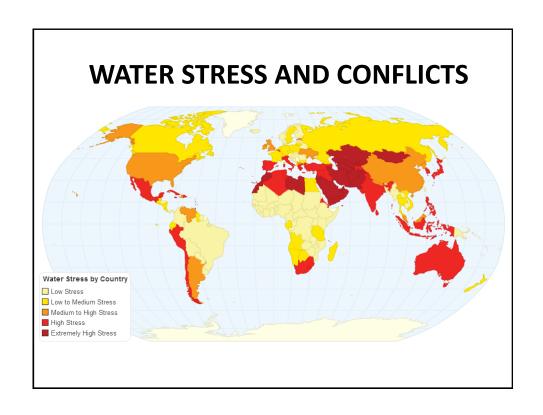


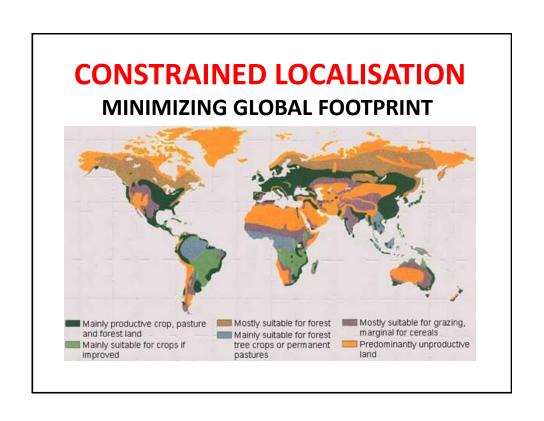






COOLING DOWN BUT WHERE ON EARTH...?





CITIES ON THE ROCKS?





... AND THE FOREST TO THE WOLFS?



THE END OF CITIES?

THE SOLAR POWERED AUTONOMOUS CAR WILL BE YOUR HOME



SHOULD WE STAY OR SHOULD WE GO?



