Urbanization



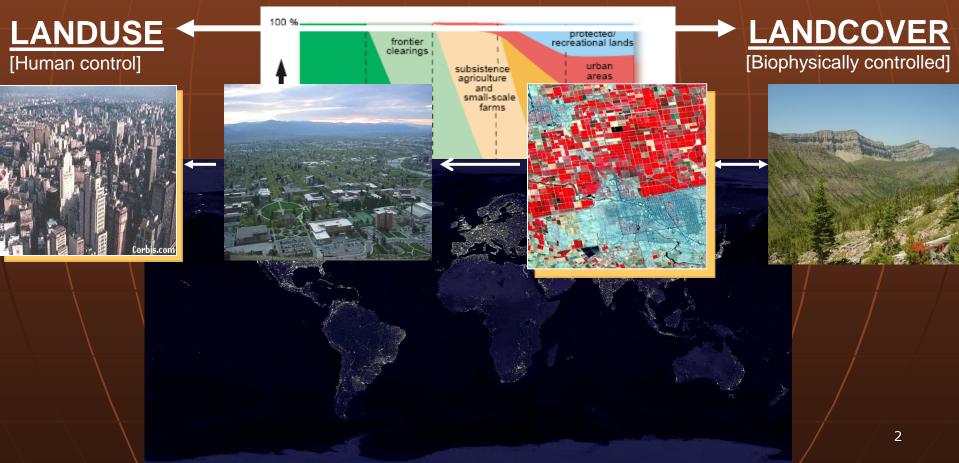
SCHOOL OF GEOSCIENCES

Ch. 30

New Challenges

Rapid Transformation of Landscapes

- Land surface as a complex system
- Natural and managed components, and multi-scale interactions
- > Deforestation, Reforestation, Urbanization, Agriculture and Irrigation
- Living organisms



Rapid Urbanization in China

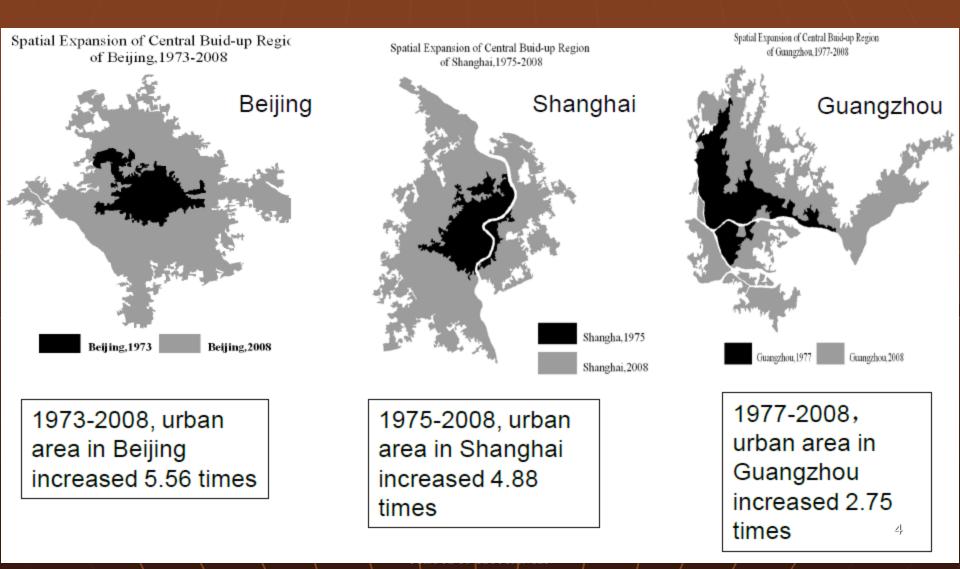
	2005	2010	2020	2030	2040	2050
Population	1307.56	1360.00	1440.00	1470.00	<mark>1</mark> 470.00	1440.00
Urbanization rate	43%	49%	63%	70%	74%	79%
Urban Population	562.12	666.40	907.20	1029.00	1087.80	1 <mark>1</mark> 37.60
Person per Household	2.96	2.88	2.80	2.75	2.70	2.65
Urban Household	<mark>1</mark> 89.91	221.94	288.00	336.76	364.78	380.38
Rural Population	745.44	693.60	532.80	441.00	382.20	302.40
Person per Household	4.08	3.80	3.50	3.40	3.20	3.00
Rural Household	182.71	189.68	<mark>1</mark> 81.03	159.97	151.59	144.00



Ailikun (2011)

Megacities in China

Ailikun (2011)



Modeling Urbanization in RESM





Regional Earth System Modeling and Analysis (RESMA) Symposium – Beijing 2011

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