URBANISATION ET EMERGENCE DE MALADIES TRANSMISSIBLES

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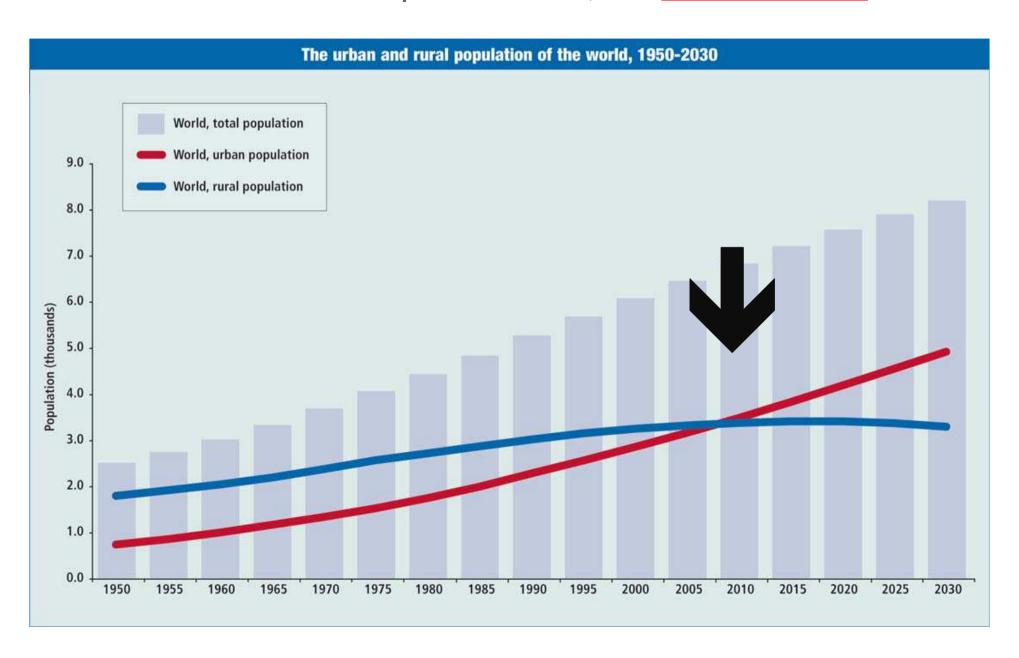
LES NOUVELLES MENACES DES MALADIES INFECIEUSES ÉMERGENTES; Paris 24 mai 2012

OUR PLANET

- > The world's population is growing
 - > from 6 billion in 2005 to a projected 9 billion in 2050

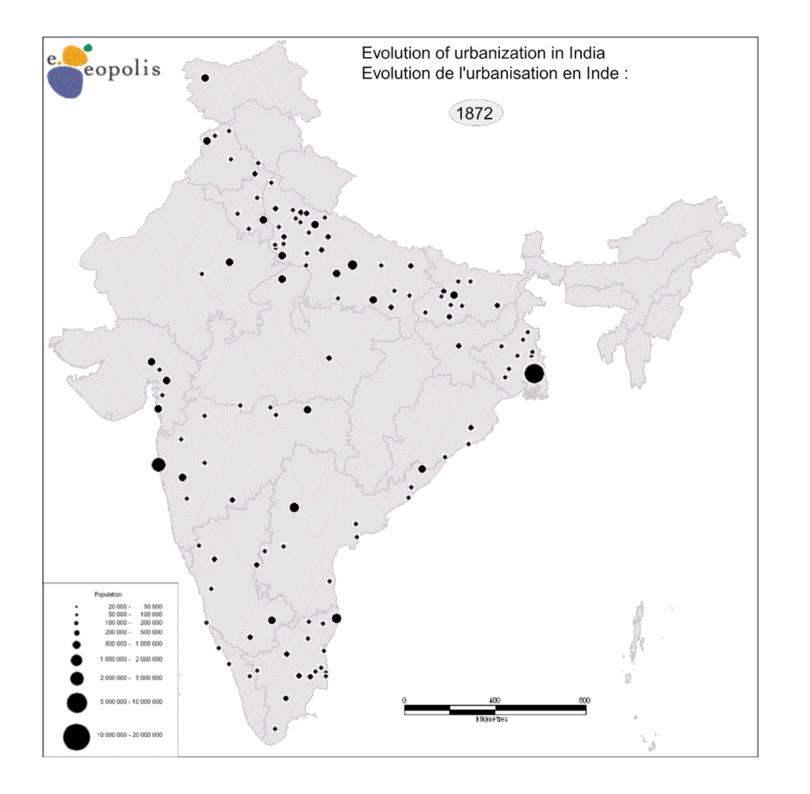
- > ... and urbanising
 - > 2007: transition year!
 - global urban population: 3,303,992,253 people (approx)
 - > exceeded **rural** population: 3,303,866,404 people

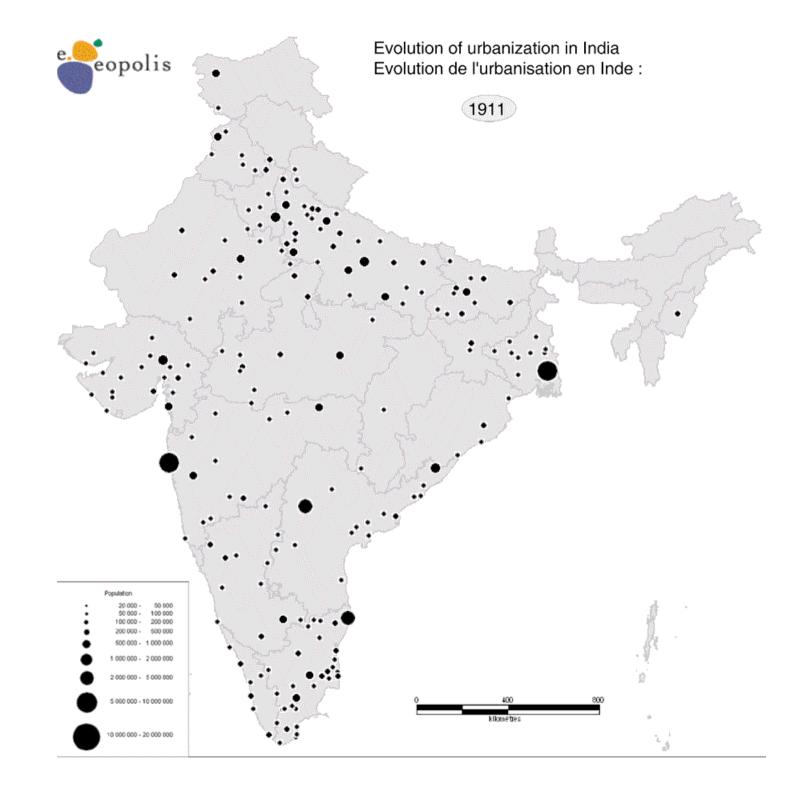
World Urbanization Prospects: 2007, the **URBAN YEAR!**

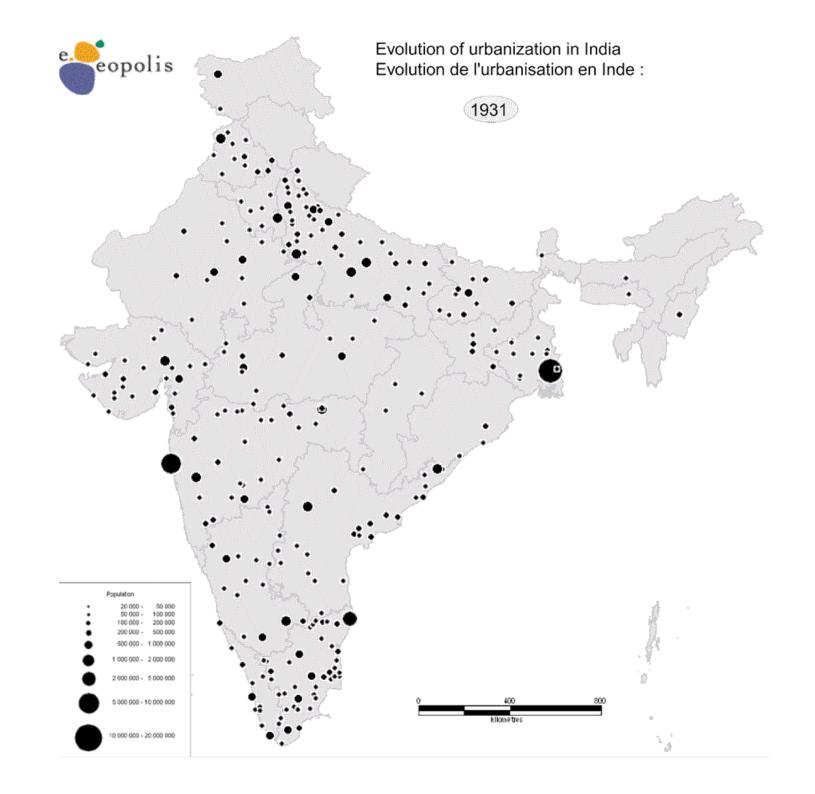


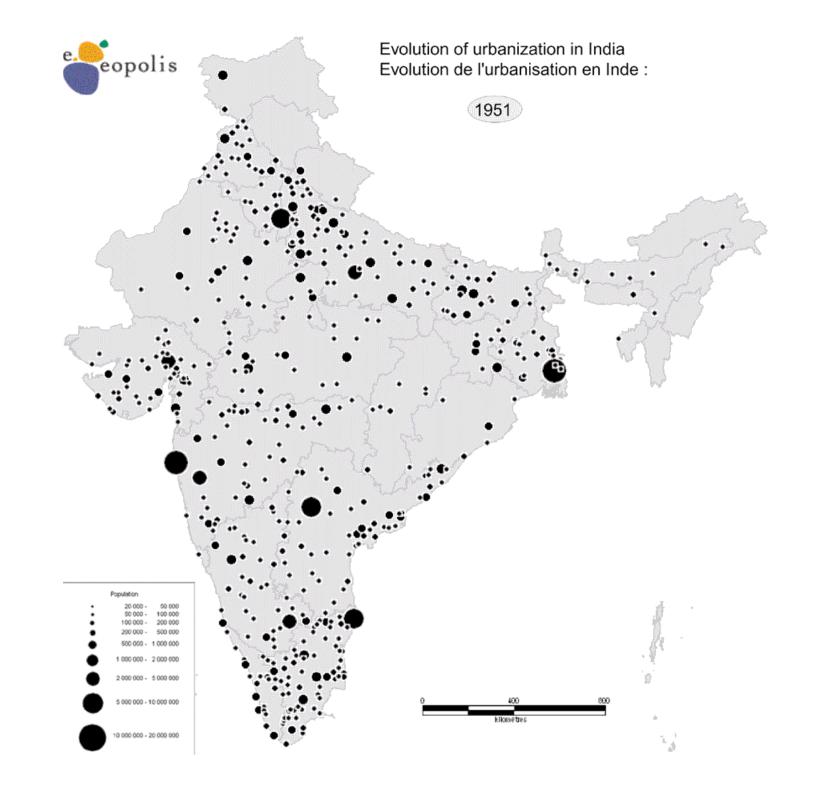
In Europe ...

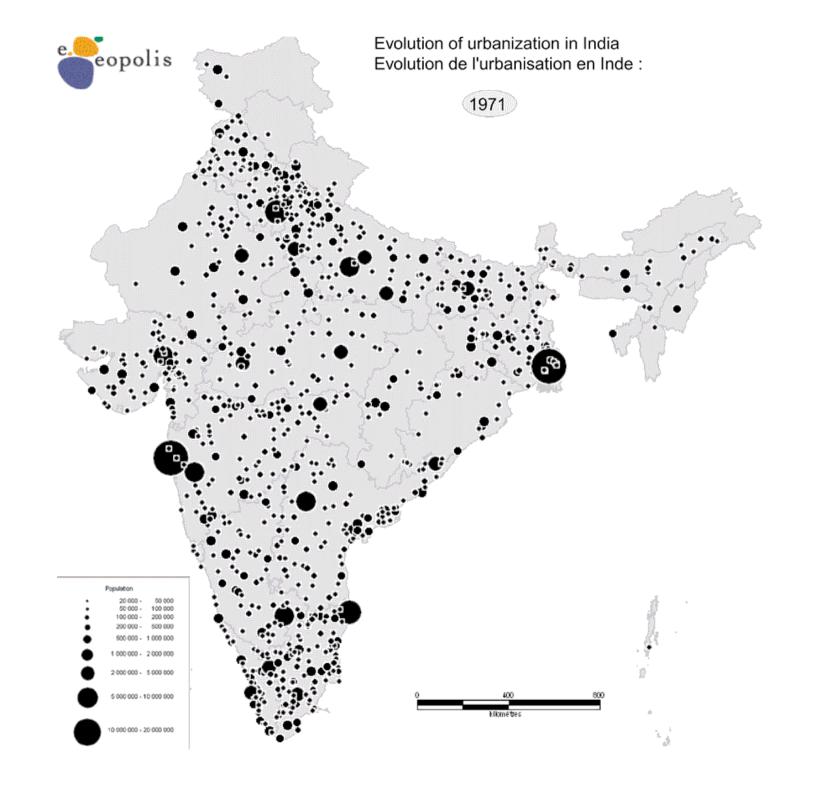


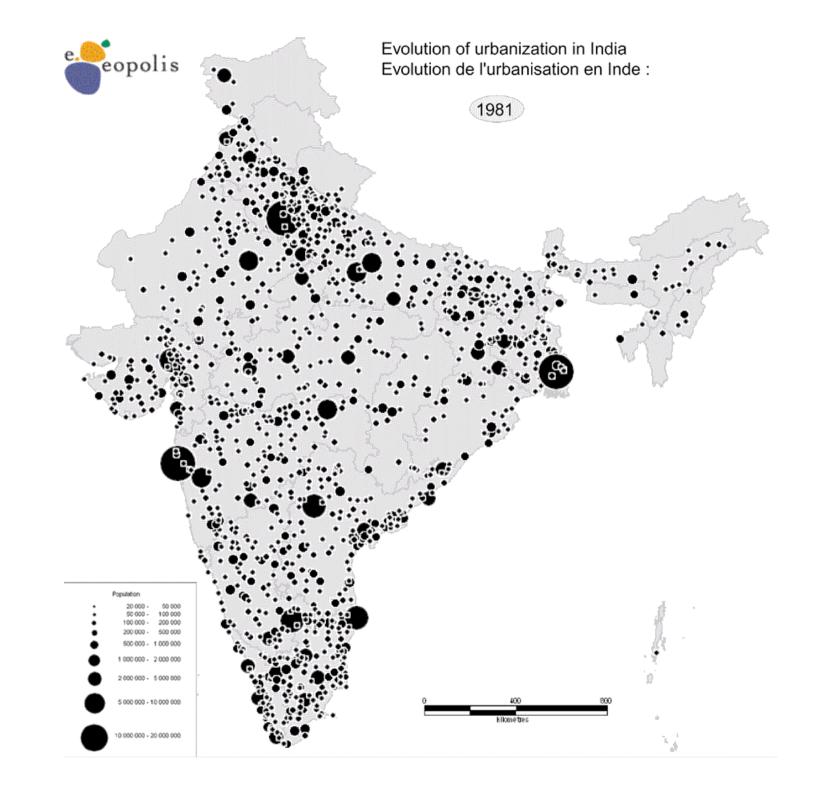


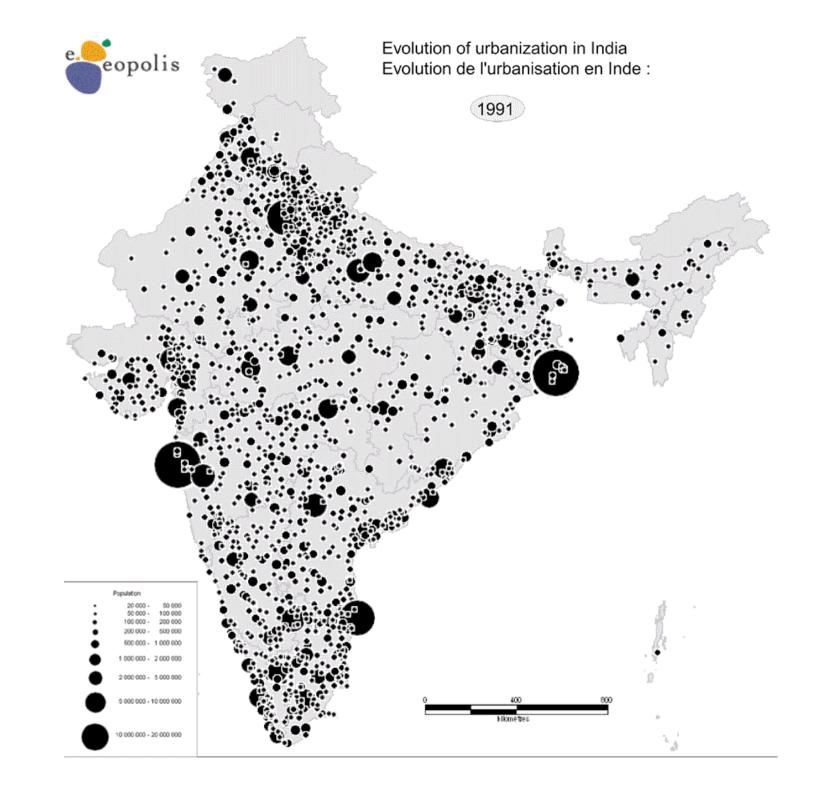


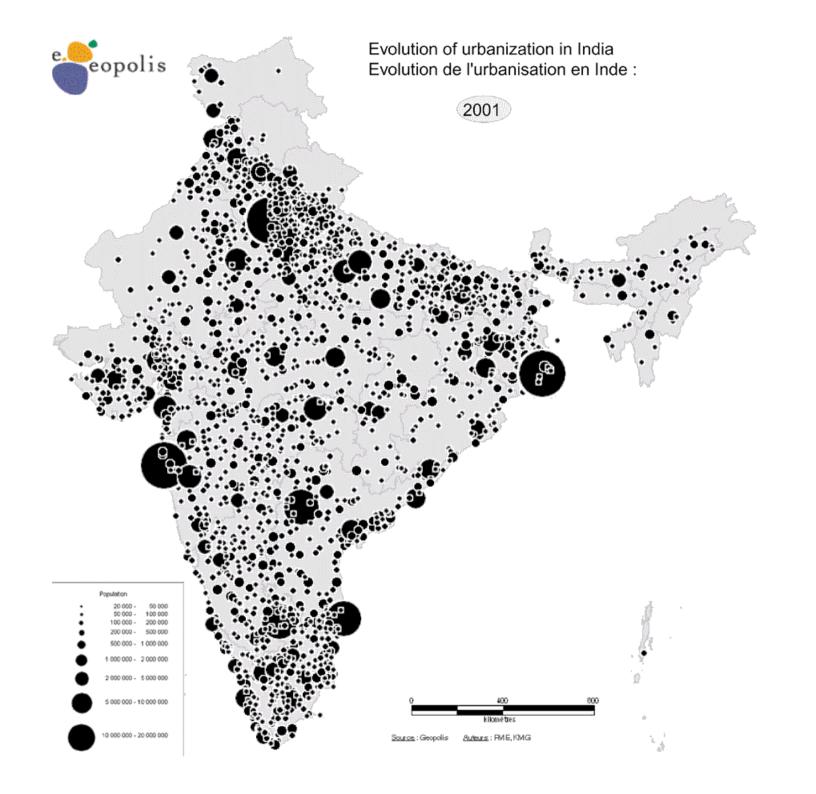








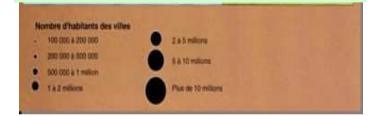




1960

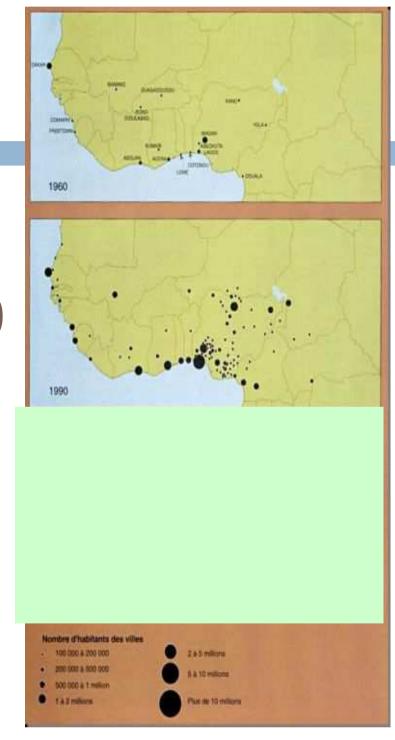
Urban
Growth in
West
Africa



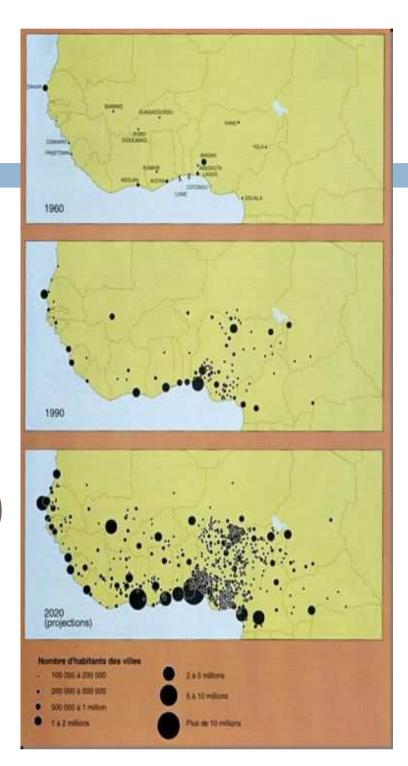


1960

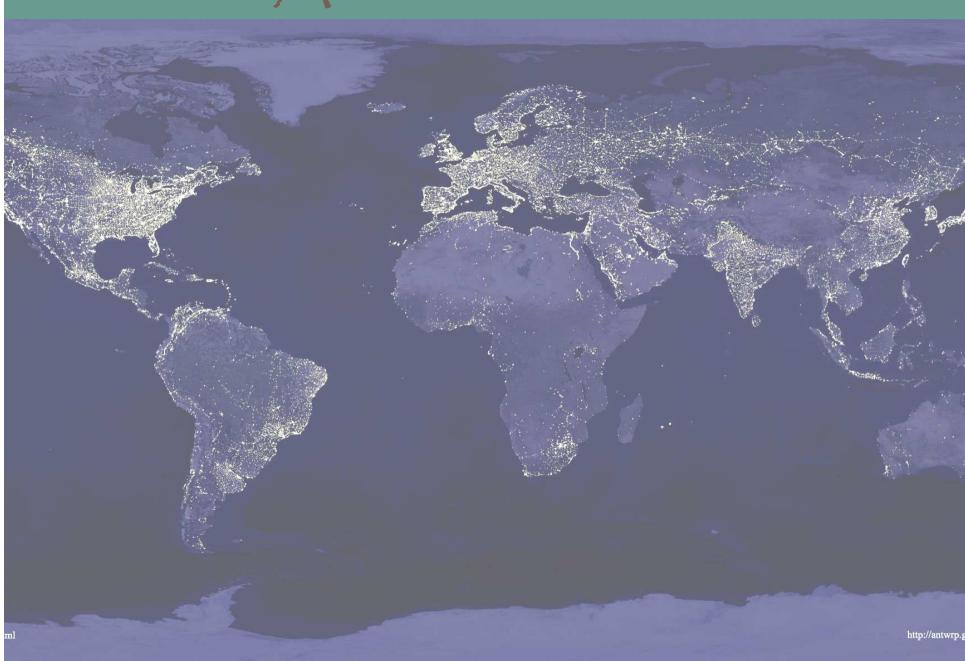
Urban Growth in West 1990 Africa



Urban Growth in West 1990 Africa



An urban world



General Health Impacts of Urbanisation: Infectious Morbidity

1) High Human Population Densities:

Fast and Intense Circulation of Pathogenic Factors

Earlier primary phase infections (measles, tuberculosis, etc.)

new epidemiology, strategies of immunization, etc.

Health Impacts of Urbanisation:

Emerging diseases

1) High Human Population Densities:

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Earlier primary phase infections (measles, tuberculosis,etc.)

New Immunity

new epidemiology, strategies of immunization, etc.

2) Spatial and Social Heterogeneity

→ Socio-Spatial Health inequalities

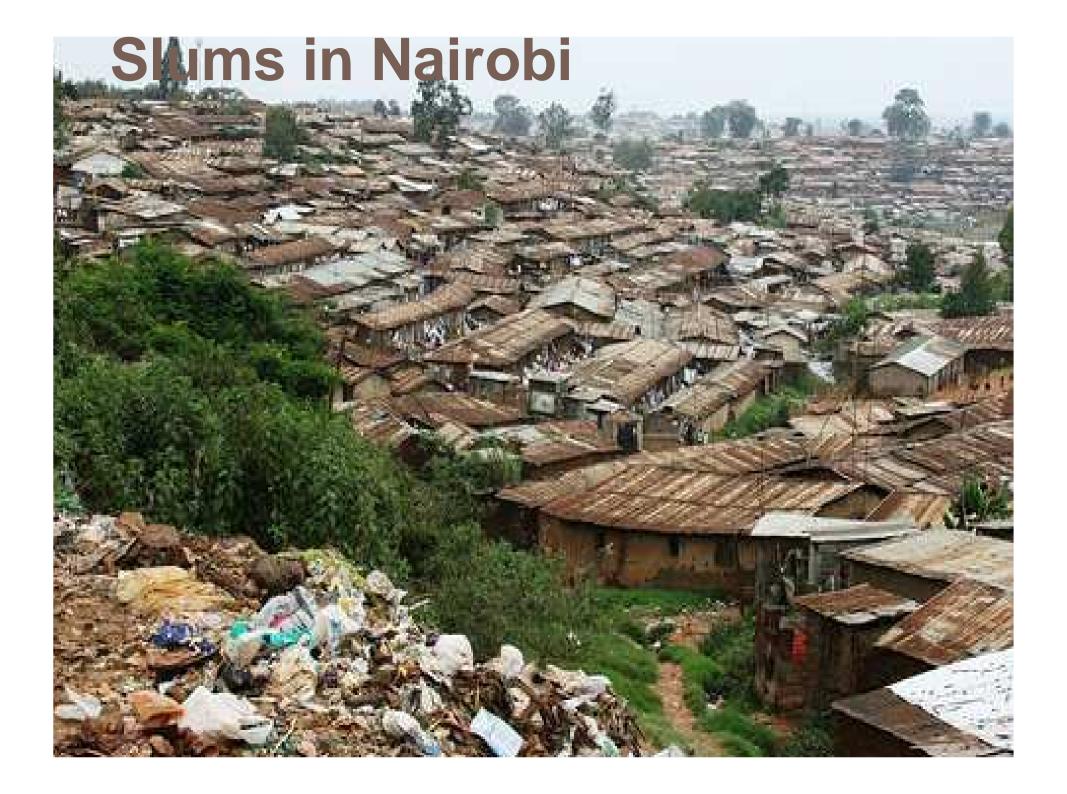


General view of Venice, Veneto, Italy (45°35' N, 12°34' E). http://www.yannarthusbertrand.org



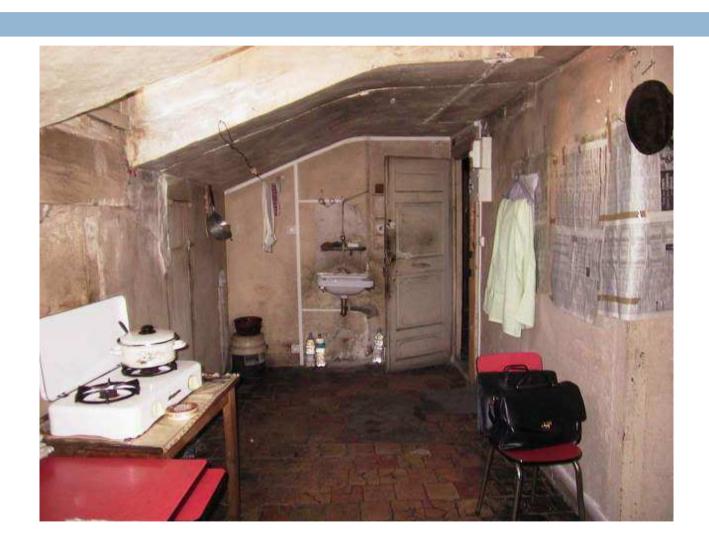
DOGON VILLAGE NEAR BANDIAGARA, Mall (N 14*23' W 3*39') http://www.yannarthusbertrand.org







But also, slums in Paris





General Health Impacts of Urbanisation:

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3) Spaces are open and interconnected \rightarrow intense circulation

inside the urban area, between urban areas,

between urban and rural areas

multilevel approaches, specially for emerging diseases

Challenges 1

- → Morbidity
 - →Old diseases (dysentery, respiratory diseases, etc.)
 - → « New » old diseases : malaria dengue,
 etc
 - → New diseases (HBP, K, diabète, etc)
 - → → co-morbidity, co-evolution

Challenges 2

Process of emergence/process of urbanisation