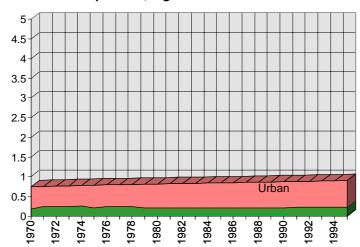
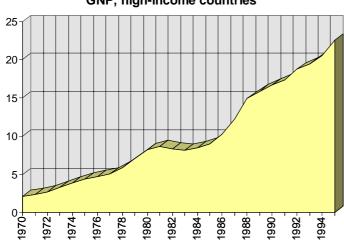


Disparity

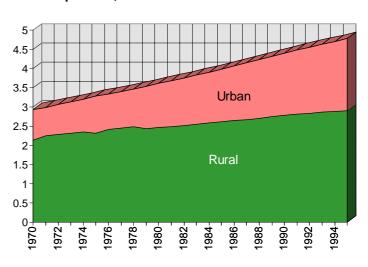
Population, high-income countries



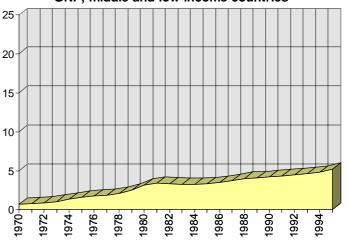
GNP, high-income countries

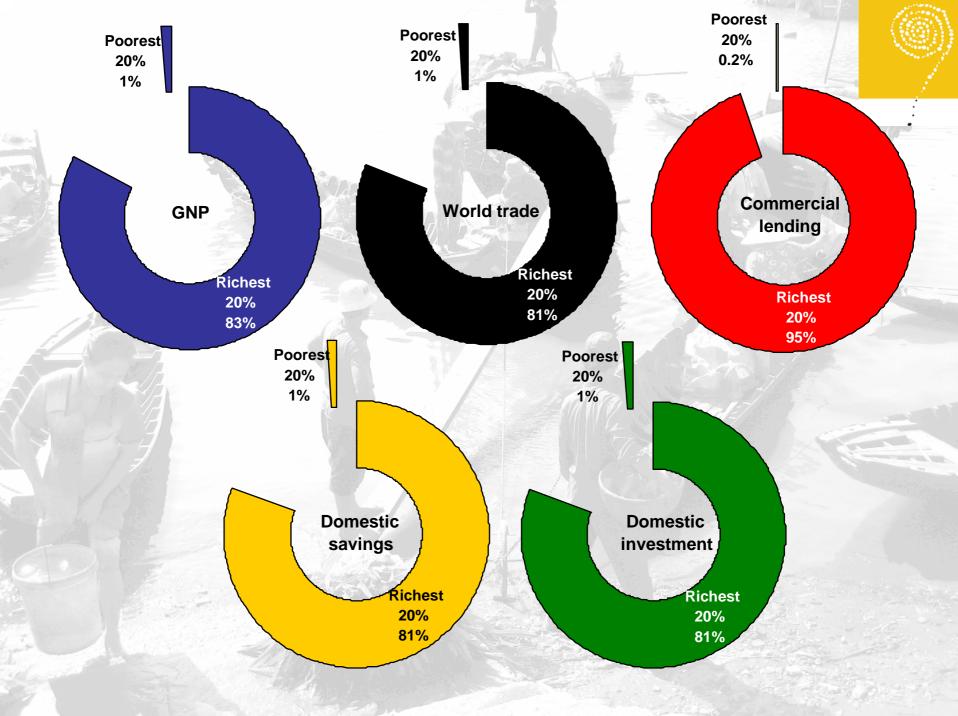


Population, middle and low-income countries



GNP, middle and low-income countries





CONTENTS

- 1. What is development?
- 2. Dilemma of development: Mekong Case
- 3. Discussion

Part I: What is Development?

A review of development theories

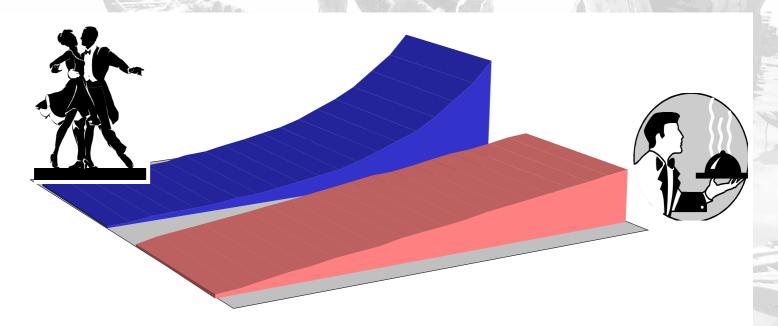
- Adam Smith: The Classical Economy
- Malthus
- Keynes
- Rostow
- Vicious circles
- Structuralist & world-systems theory
- Basic needs
- Institutionalism
- Neo-classical economy
- Human development



Classical economy

- The classical economy (Adam Smith 1723-1790):
 - The only real measure of value is labor, and the division of labor makes the production more efficient.
 - In contrast to mercantilism, which offered protectionism, markets should be allowed to function freely.
- The government should provide the legal framework: law and order.
 - Other interventions should be minimal. Only government investments to infrastructure such as canals and roads were advocated.

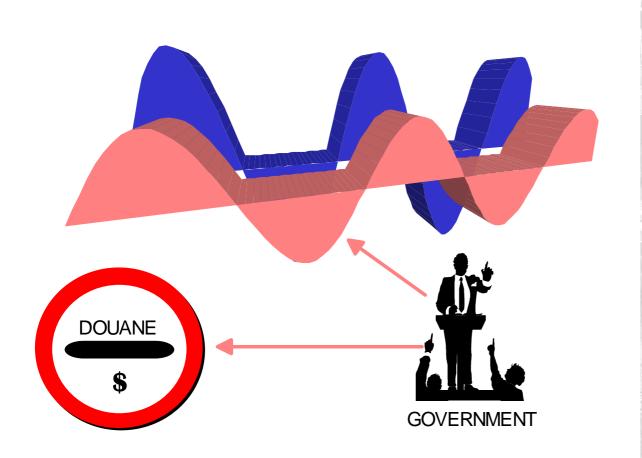




Population growth is geometric, whereas the growth in food production is arithmetic



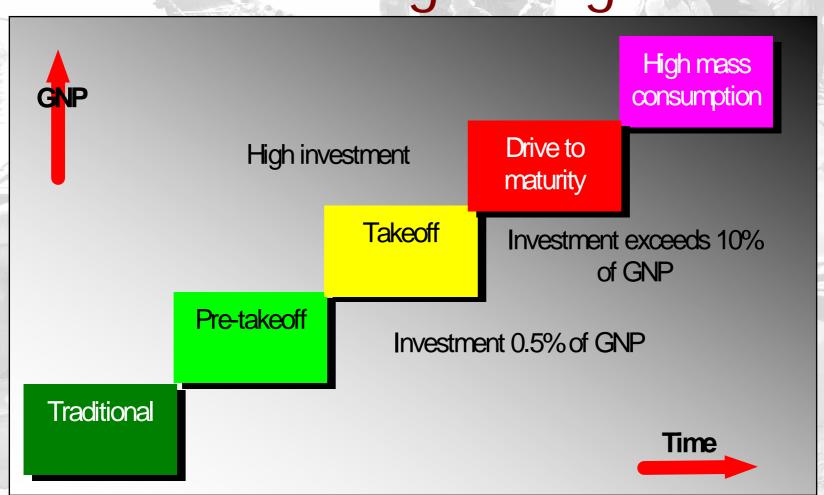
Keynesianism



The government has a strong role in controlling credit and currency, and it also stabilizes business cycles with public savings and investments



Rostow's stages of growth





Vicious circles theory



Neo-classical approach

"The Washington Consensus" by World Bank & International Monetary Fund

- Remove price controls
- Fiscal discipline
- Prioritize gov't expenditure in infrastructure & human development
- Implement tax reforms
- Financial liberalization
- Remove foreign exchange controls
- Promote foreign investments
- Privatize public enterprises
- Deregulate economy
- Protect property rights



New institutional approach

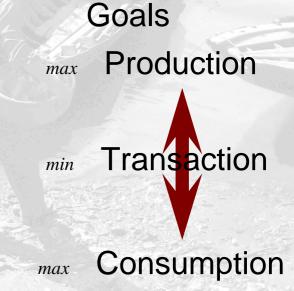
- Institutions (legislative, juridical, executive, administrative, informal [behavioral norms, culture, religion...])
- Social interests (their structure, character)

Game: the society

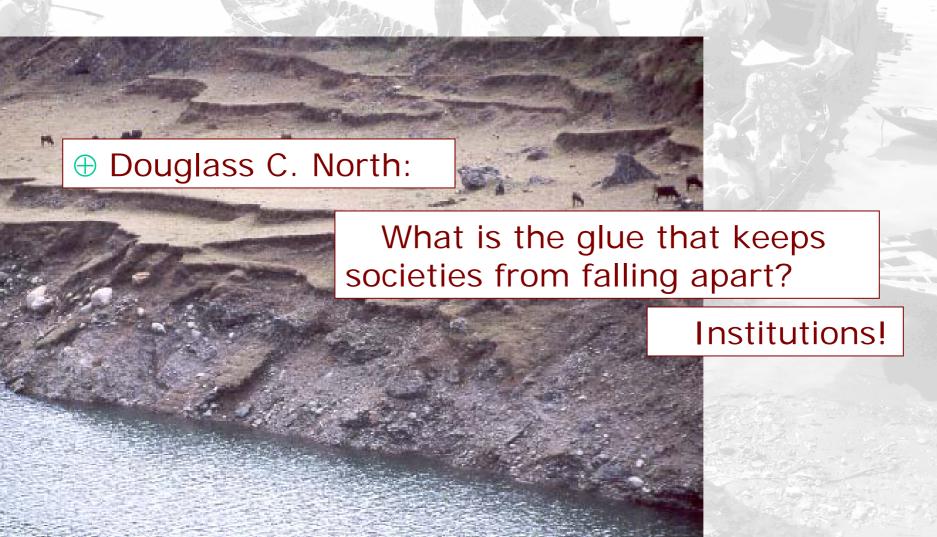
Rules: Institutions

Players: organizations and institutions

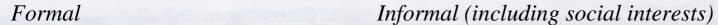








Examples: Informal and formal institutions



Government setup "Good" hab

NGOs

User organizations

Donor agencies

Legislation

Professional/technical "licensed"

knowledge

"Good" habits and manners

Traditions

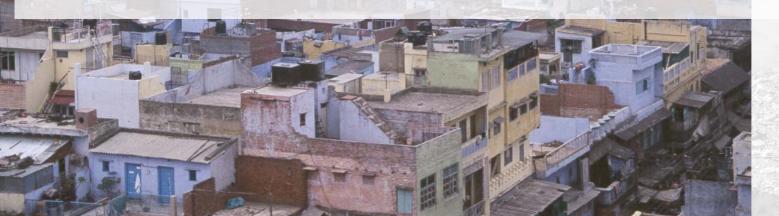
Culture, kinship

Religions

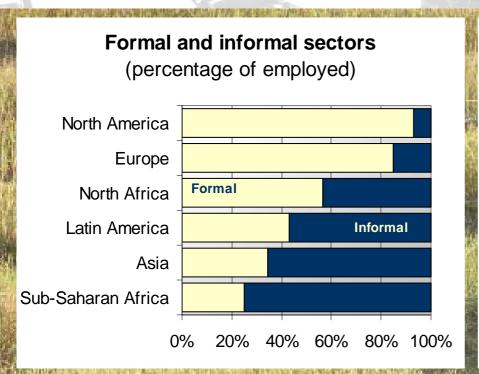
Indigenous knowledge

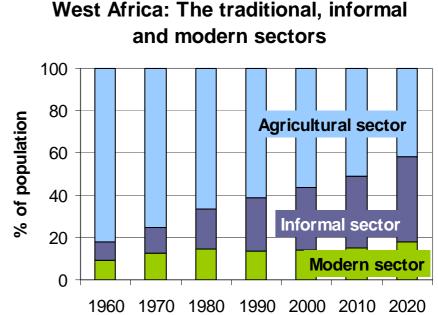
Attitudes, values (voluntarity, goodwill, responsibility,

commitment, trust, ...)



Extent of informal sector: By continent and in West Africa



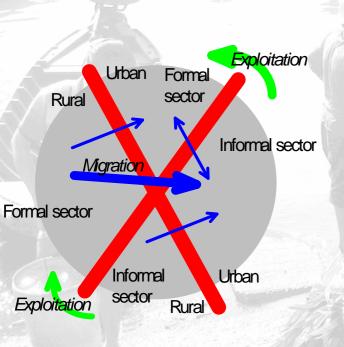


Source: Charmes J 1998 (World Bank)

Source: Snrech S 1998 (OECD)



Structuralist & world systems theory



Core

Semiperiphery

Periphery

Examples of cores:

- A megacity
- A special economic zone
- A rich country
- A rich region

UNDP:

Human Development

The most used quantification for human development by UNDP is the Human Development Index (HDI). It combines

- standard of living, measured w
- longevity, measured with lift birth
- education, measured as adugross school enrolment.

Employment

Capabilities:
Workers, farmers
Entrepreneurs
Menagers

Production, R&D and technology

Composition of outputs and exports

Human development

Economic growth

Social priority spending

Government policy and expenditure

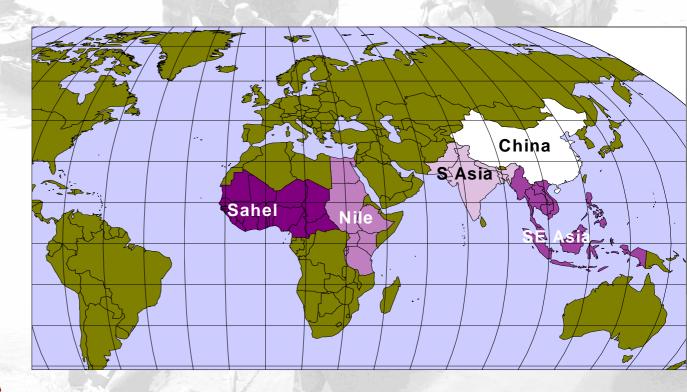
Employment

Household activities on basic needs

Household activities and expenditures

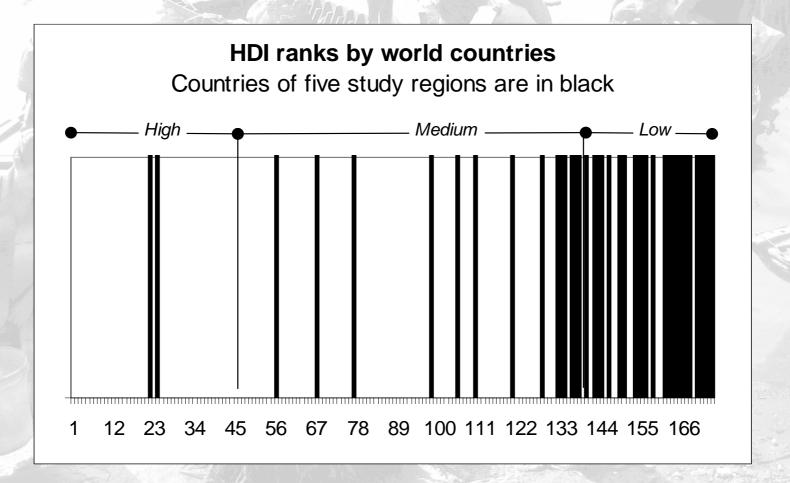
Regions

- Water resources vulnerability & scarcity
- Populated in global scale
- Population growth rapid
- Urbanization and megacity growth extensive
- Low/middle income dominance
- Undernourishment/ grain net importers

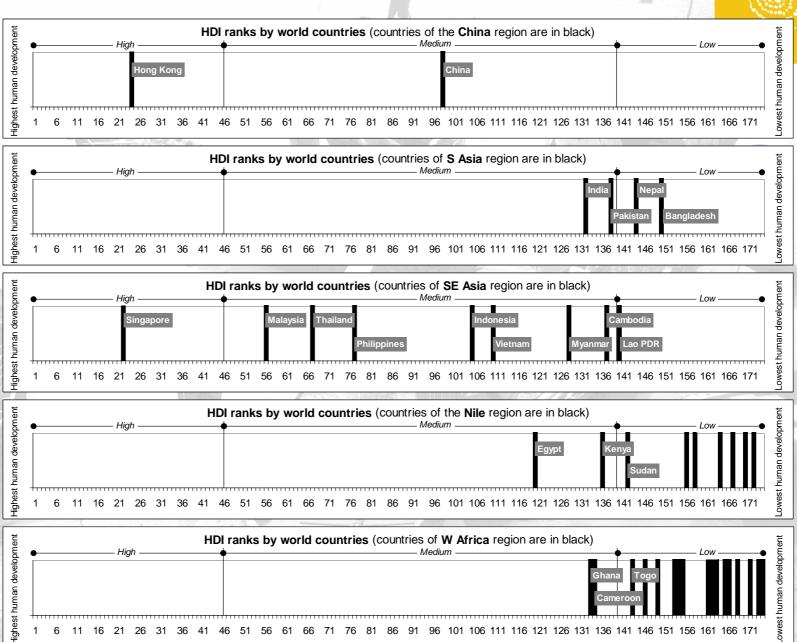


Proportion of global: population 59%; rural population 80%; urbanization 60%; GNP 7%; arable land 34%; cereal production 48%; irrigation 57%; fertilizer use 45%



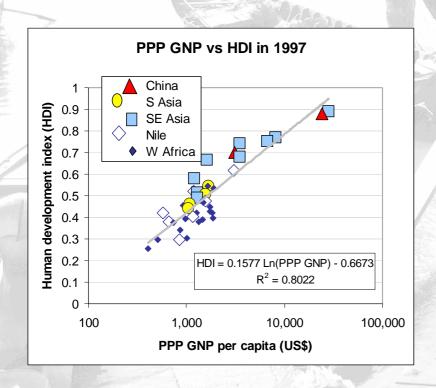


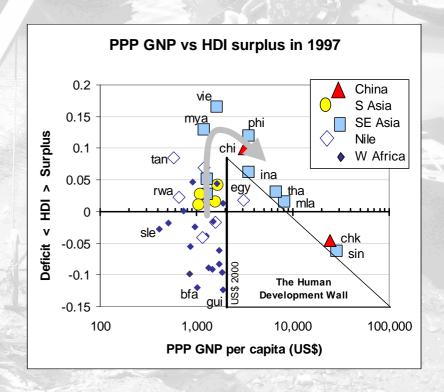
Hong Kong human development Singapore 21 26

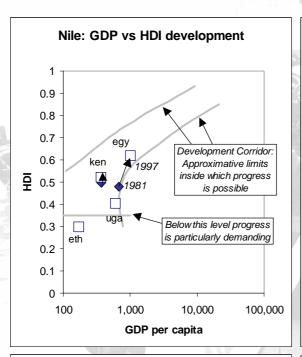


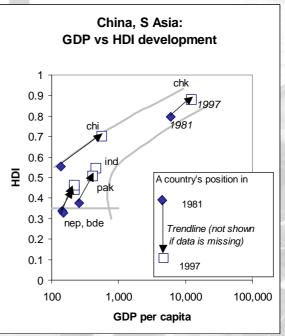
31 36 41 46 51 56 61 66 71 76 81 86 91 96 101 106 111 116 121 126 131 136 141 146 151 156 161 166 171

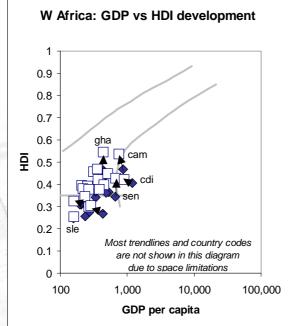


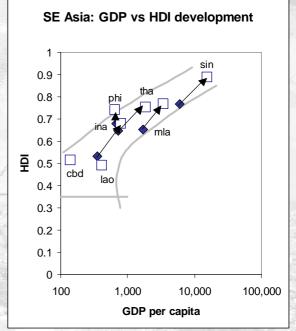


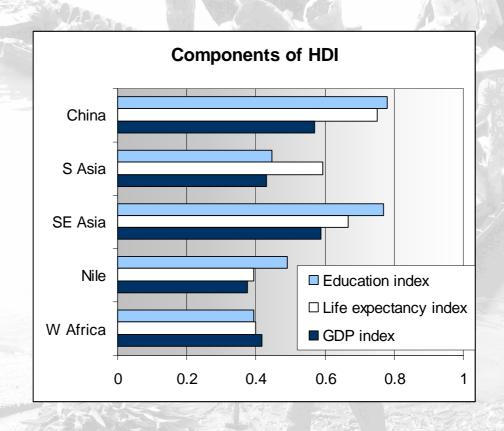




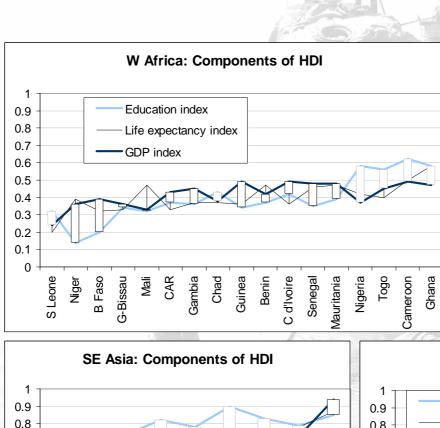


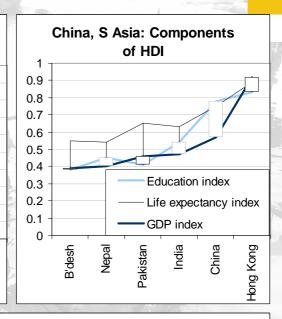


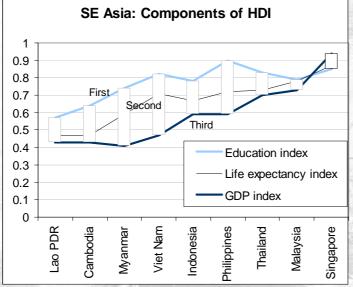


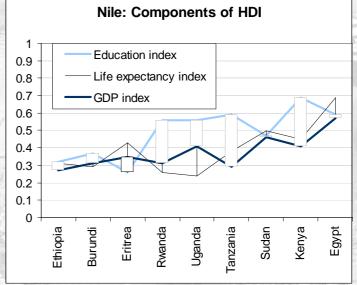


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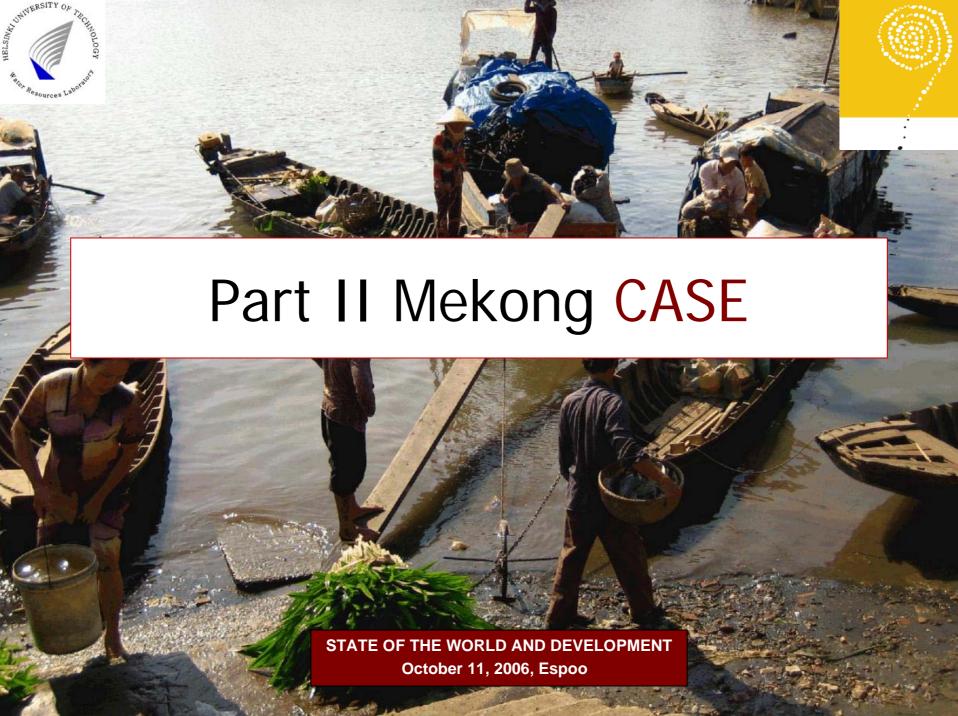






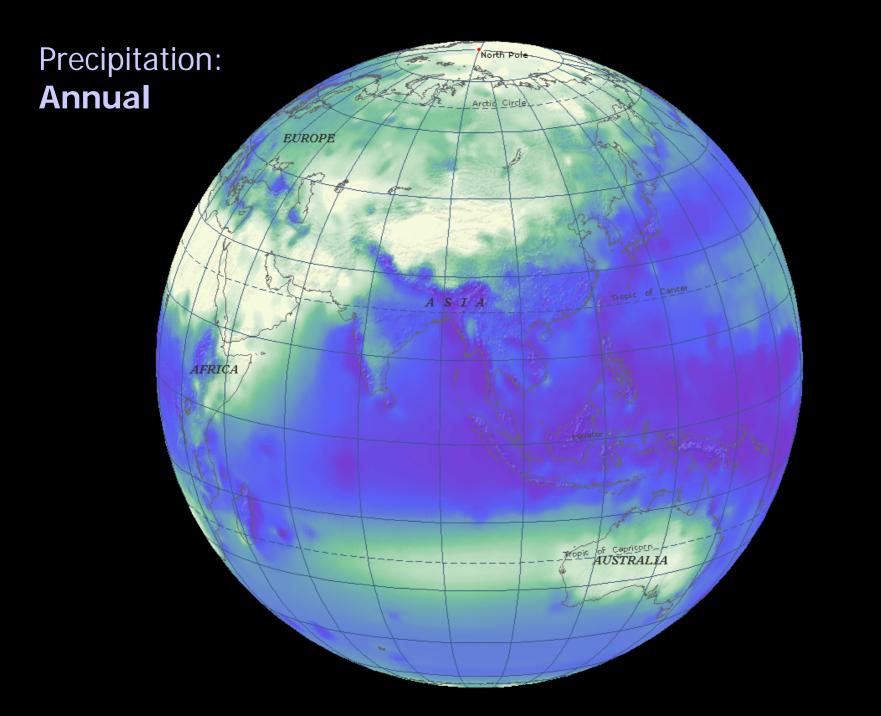




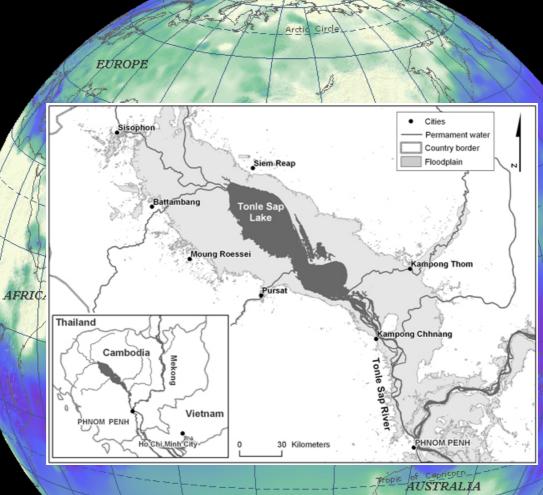






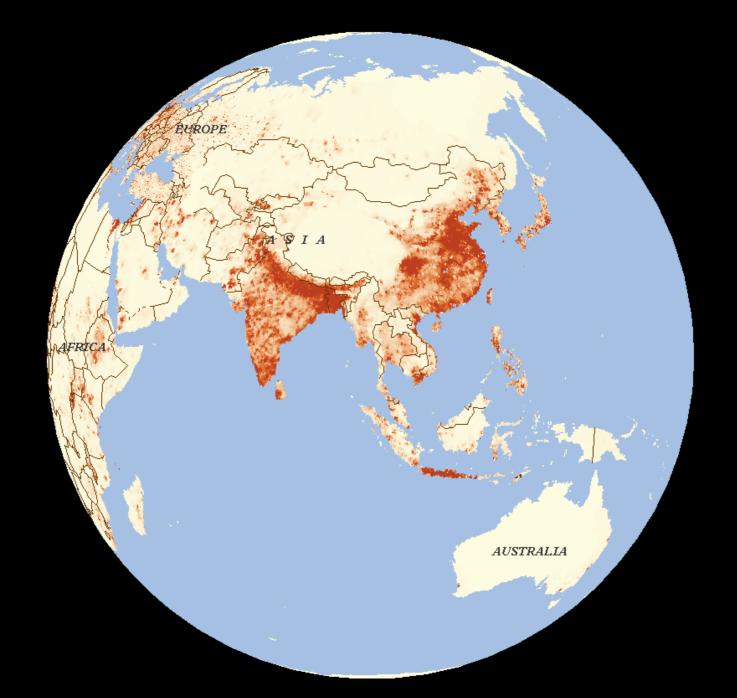


Precipitation: **January**



Climate:

- Seasonality
- Climate change and variations???

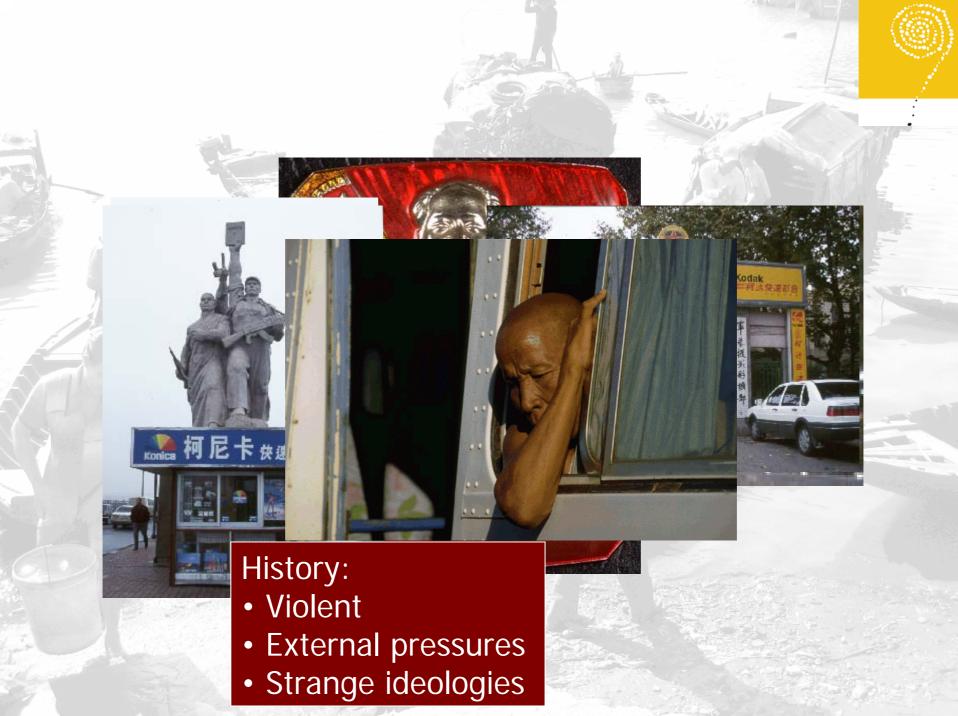










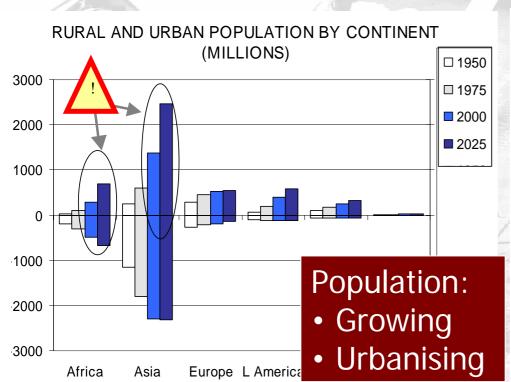


Population

Rural population: ~stabile

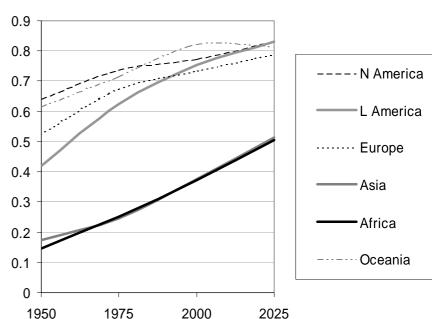
Urban population: +70M / year

Feeding urbans: 0.7 Niles a year!





URBANIZATION BY CONTINENT (%)





Formal sector

Exploitation

Informal

sector

Urban

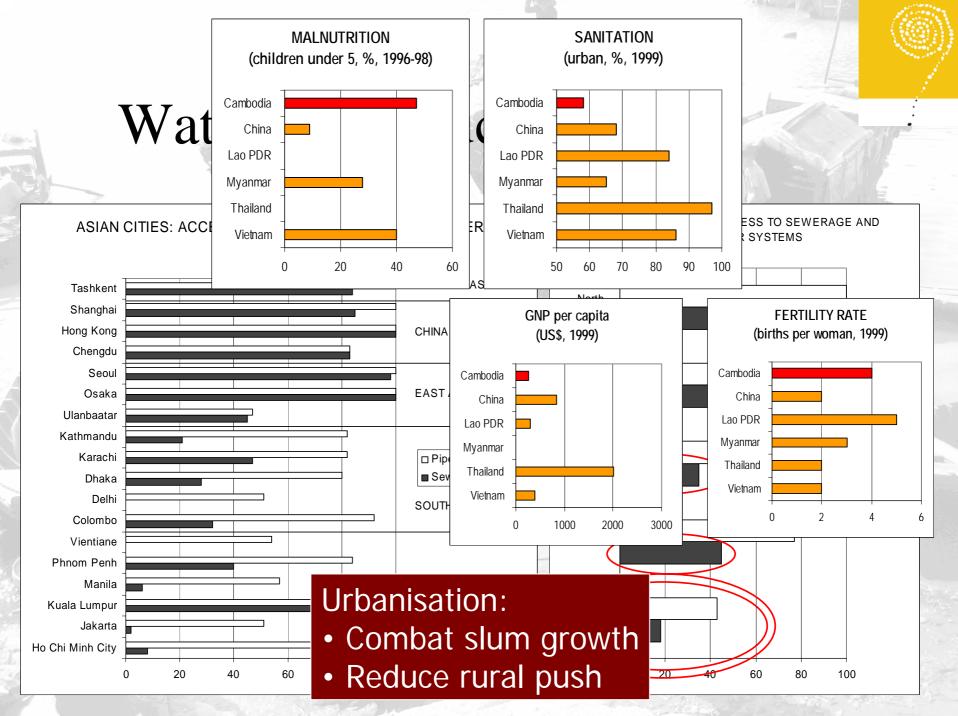
Rural

Core

Semiperiphery

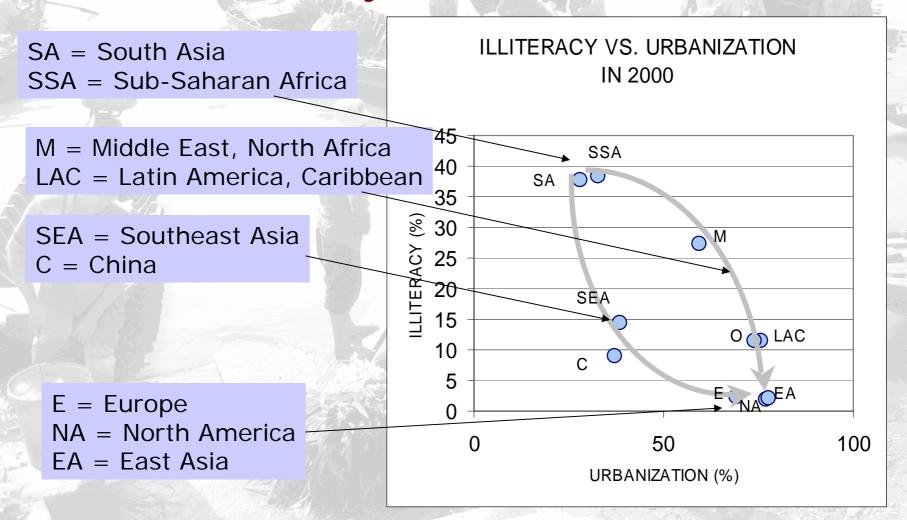
Periphery

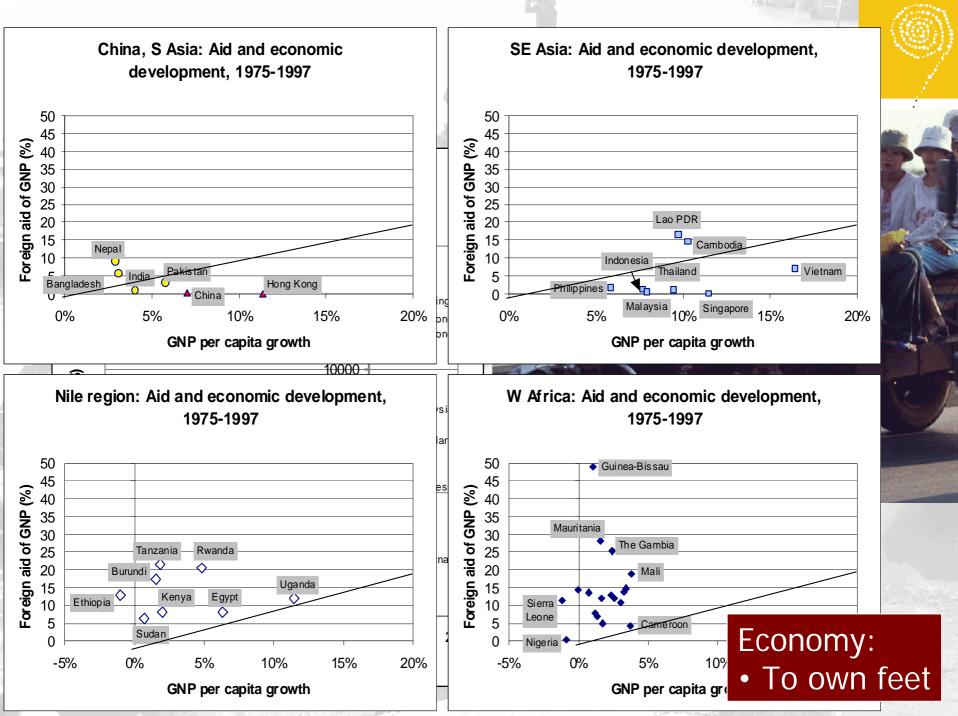
- A rich country
- A rich region

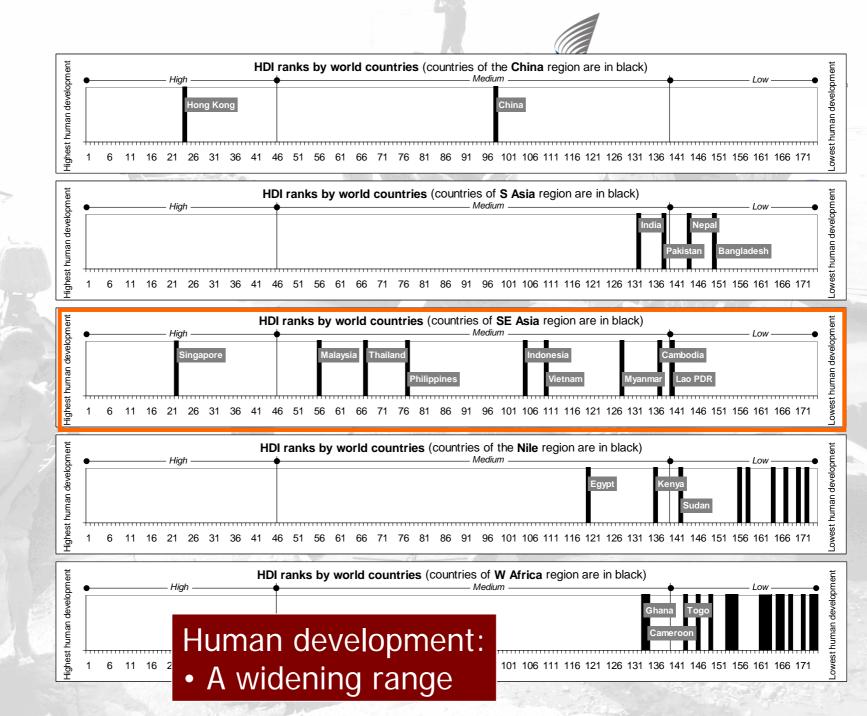




Urbanisation -> Literacy or Literacy -> Urbanisation

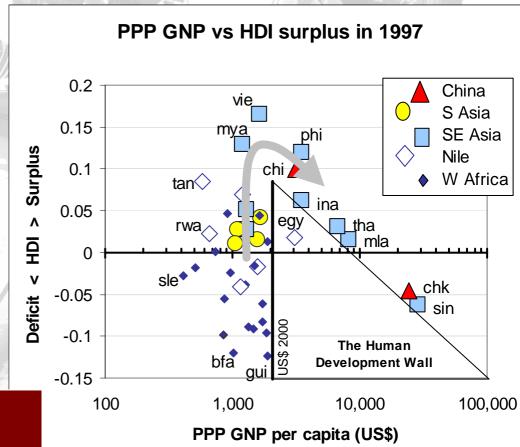








Human development Passing the HD wall



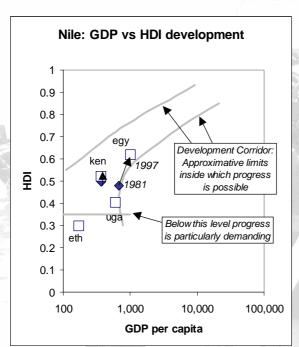
Human development:

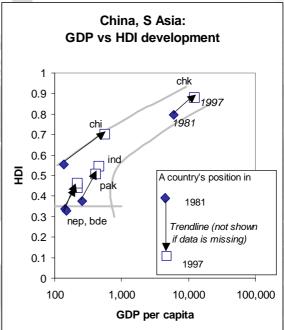
 Cambodia, Lao: a massive human investment needed!!

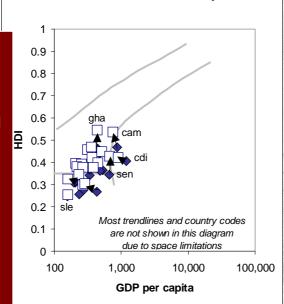
development D Corridor

Human development:

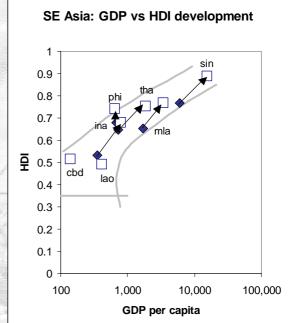
- Cambodia, Lao: a massive human investment needed!!
- Otherwise they might slide downhill again!!



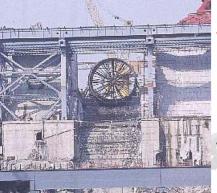




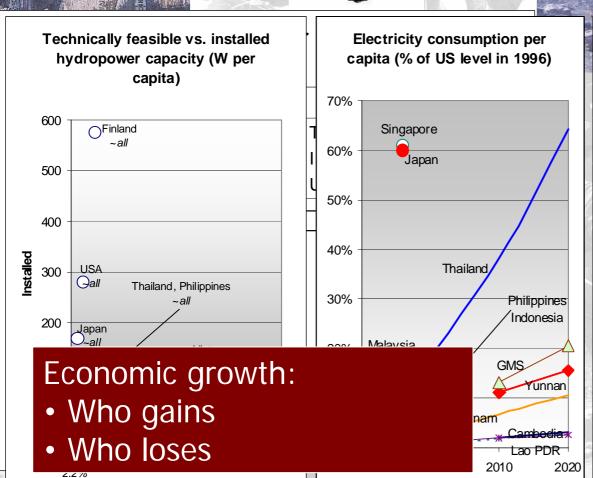
W Africa: GDP vs HDI development



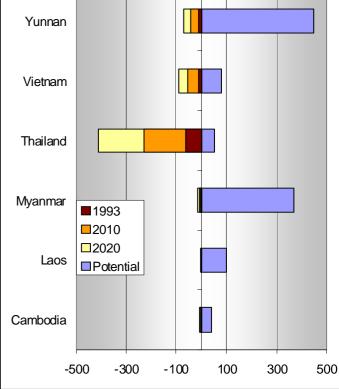




Water and energy: A big controversy



GMS: Hydropower potential vs. electicity demand (TWh/a)



















Subsistence & modern sectors some attributes

| Subsistence (traditional sector) | Modern sector |
|---|---|
| Uses no or very little money | Is driven by money |
| People supply themselves with basic commodities such as food, water, fuelwood, etc. | Nature is used as a resource of tradable goods that are primarily valued after their trade value |
| Institutions are primarily customary, religious, etc. | Institutions are primarily set up by government, etc. |
| People are living within the nature | People are using nature as a resource base and are living out of the nature |
| Example activities: family farms/fishery/forestry for village-level supply | Example activities: cash-crop farming, commercial fishery, fish farming, industry, hydropower generation, urban water supply plants |



Amartya Sen:

"There are good reasons for seeing poverty as a deprivation of basic capabilities, rather than merely as low income.

Deprivation of elementary capabilities can be reflected in

- premature mortality (especially of children),
- persistent morbidity,
- widespread illiteracy and
- other failures."

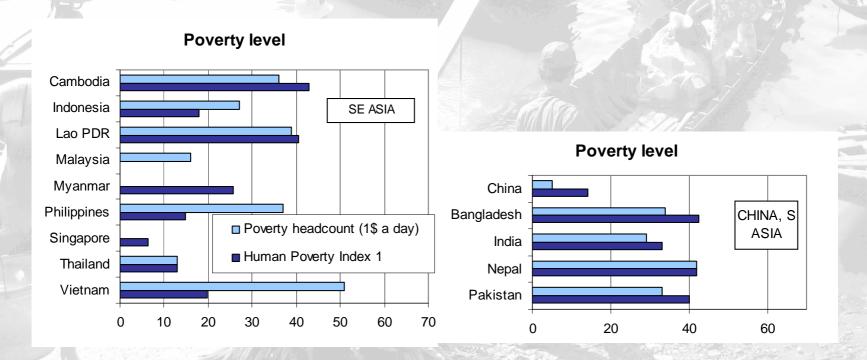


Poverty: definitions

- \$1 a day, \$2 a day...
- Specific (income or nutrition based)
 - national poverty line
 - international poverty line
 - extreme poverty line (e.g. 2,250 kcal/d)
- Social
 - Human poverty etc.
 - · Population without sustainable access to improved domestic water source
 - · Children under weight for age
 - · Probability at birth of not surviving age 40
 - Adult illiteracy rate

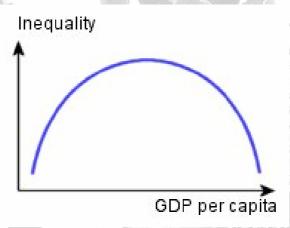
Poverty: definitions

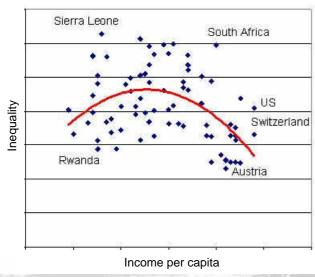
\$1 a day, human poverty compared

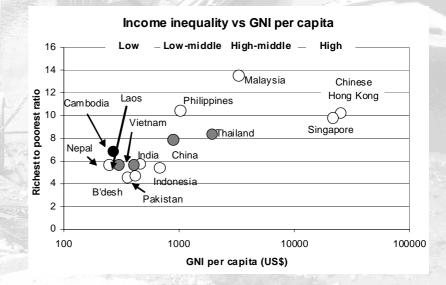


Source: UNDP (2003).

KUZNETS CURVE













UN HABITAT: An Urbanized World ... of Slum Dwellers?

- •2001: 924 million people (31.6%) of the world's urban population lived in slums.
 - Developing regions: 43%
 - Developed regions: 6%
- "It is projected that in the next 30 years, the number of slum dwellers worldwide will increase to 2 billion if no firm or concrete action is taken to arrest the situation. And the latest UN Habitat estimates is that this figure might even increase to 3 billion people by 2050."



How to manage

Command and control

Constraint

Under control

Top-down

Big
Formal
Centralized

Formal

"Beauty"
Institutions Init

Bottom-up Small Informal, formal Decentralized mobilize for common benefit

Recognize and

Resource

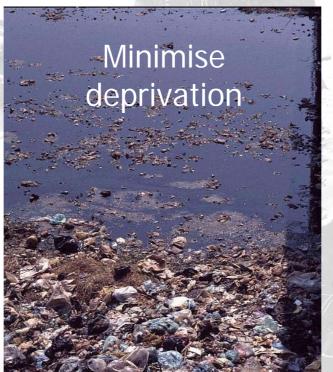
Public participation Grassroot activities

Does economic growth mean POVERTY REDUCTION?













Governance

Education

Agriculture, small-scale fisheries

Infrastructure

Community & microeconomic development



What is development?



"A country can be called developed, when it has acquired an institutional setup that allows it to mobilize resources and carry out changes necessary to systematically and effectively deal with problems that the country is facing".

Ehrlich, I. 1990. The problem of development: Introduction. J. Political Economy 98 (5, Part 2): 1-11.

Development: Approach?

Treat SYMPTOMS or ROOT CAUSES?

- Several approaches:
 - ⊕ Basic needs: Provide basic services (even "first aid")
 - Neoclassical: strengthen macroeconomy
 - Neo-institutional: develop institutions and governance
 - Human development: improve human capacity to deal with problems
 - Wicious circles: break vicious circles of po
 - ⊕ Etc etc...

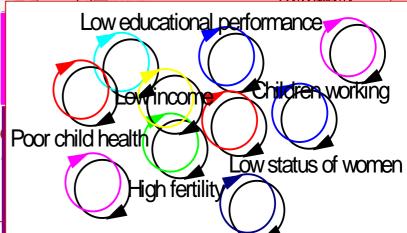
Employment

Production, R&D and technology

Capabilities: Workers, farmers

Composition of







Development experts MUST be able to break conventional boundaries and find interconnections in a big way

Case water

