



Water in Africa: Hydro-Pessimism or Hydro-Optimism?

Água em África: Hidro-pessimismo ou Hidro-optimismo

Centro de Estudos Africanos da Universidade do Porto
Porto, Portugal, 2-3 October 2008

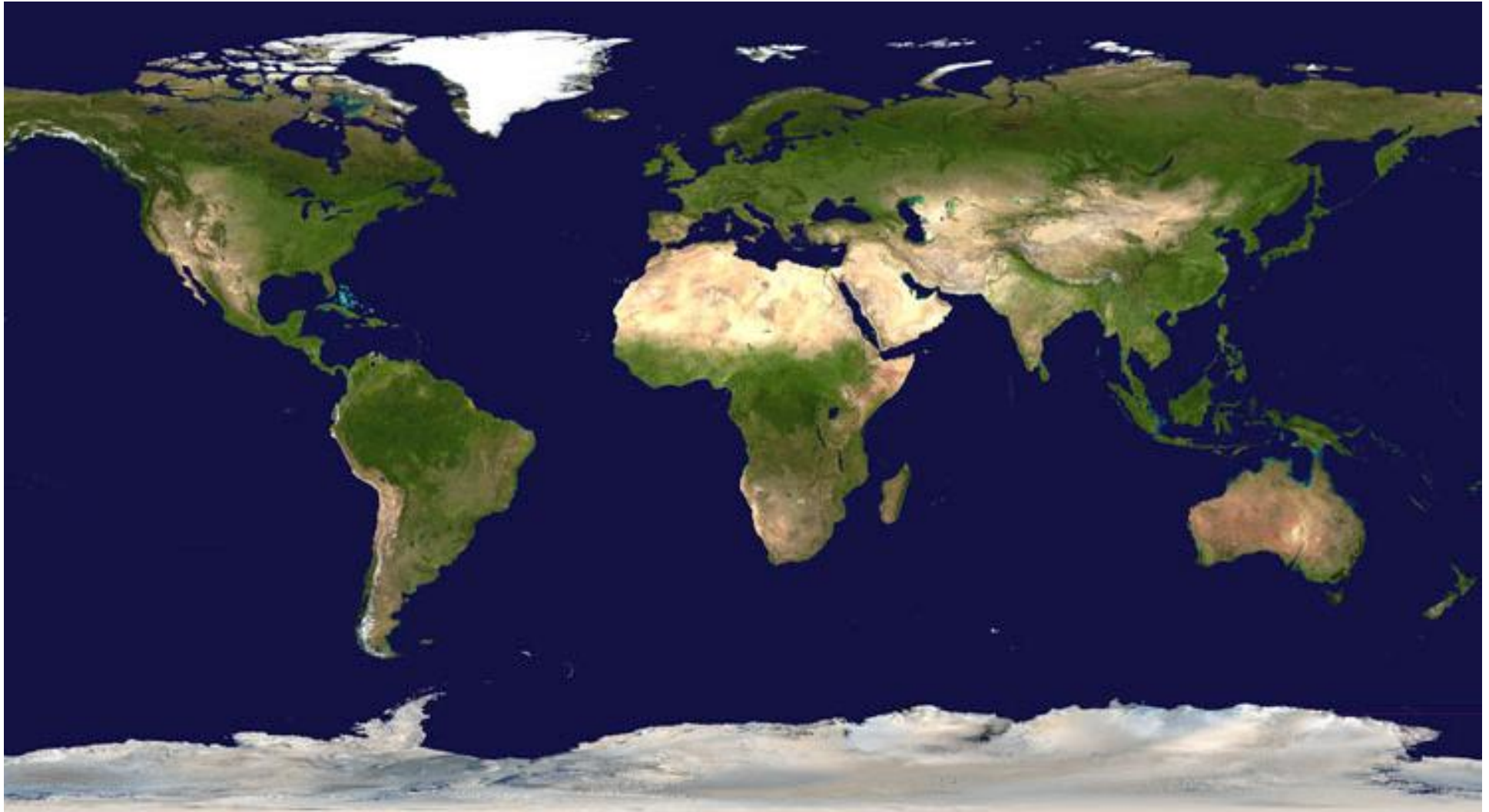
Water in Africa

A political [governance]
&
a management challenge

Tony Allan
King's College & SOAS London

The consequences of asymmetric rainfall

Source Nasa



Endowments - including water

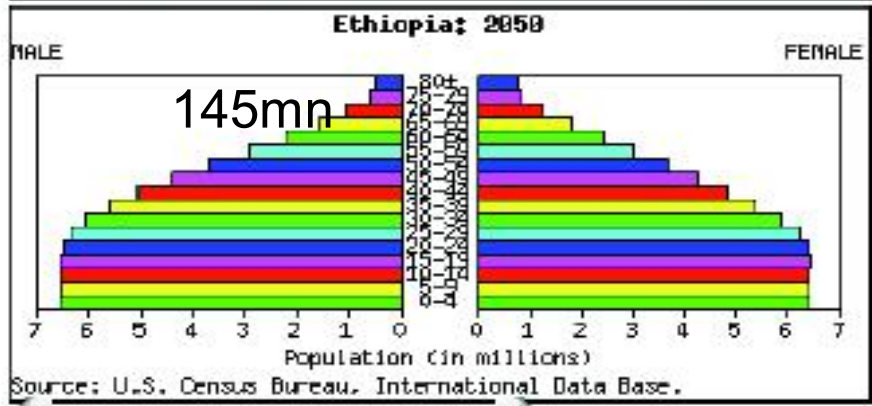
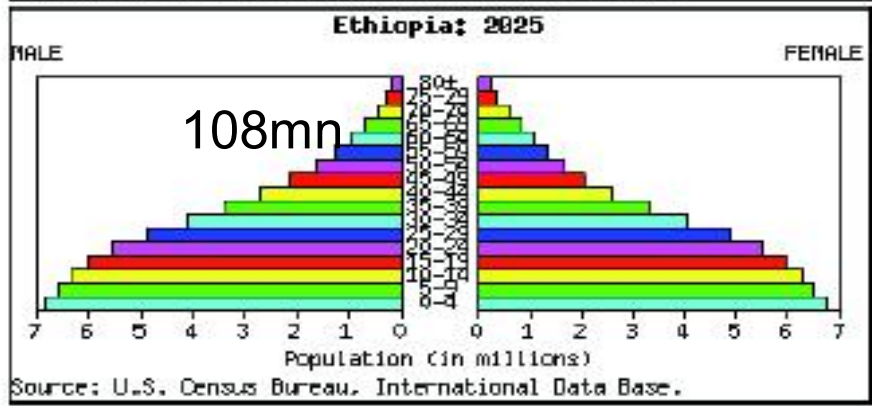
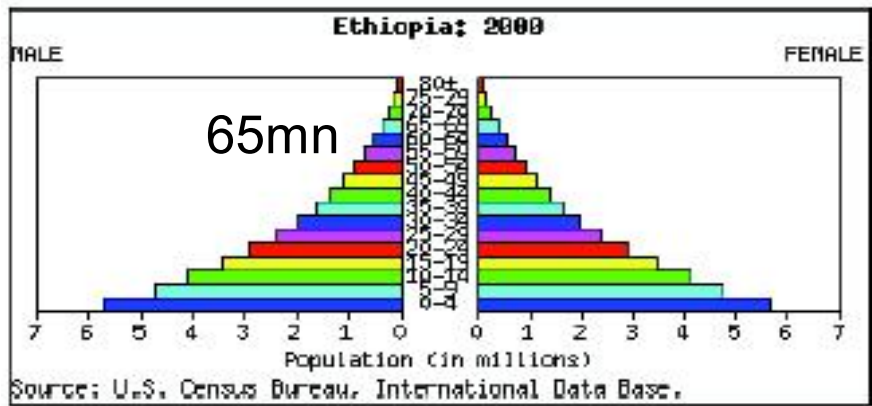
Demographics
Infrastructure
Governance

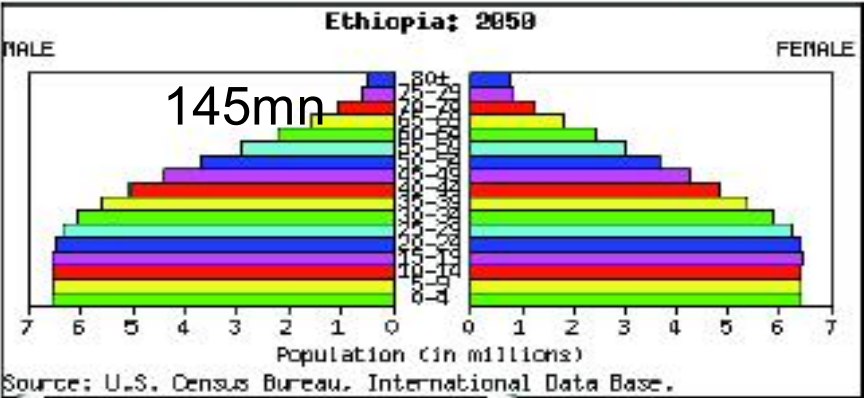
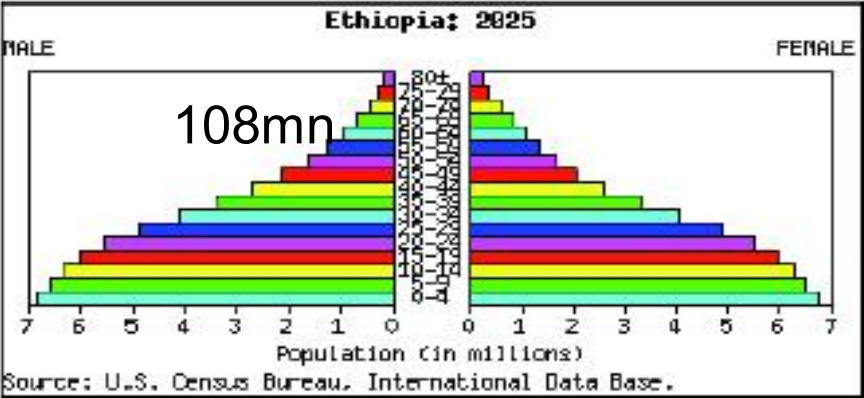
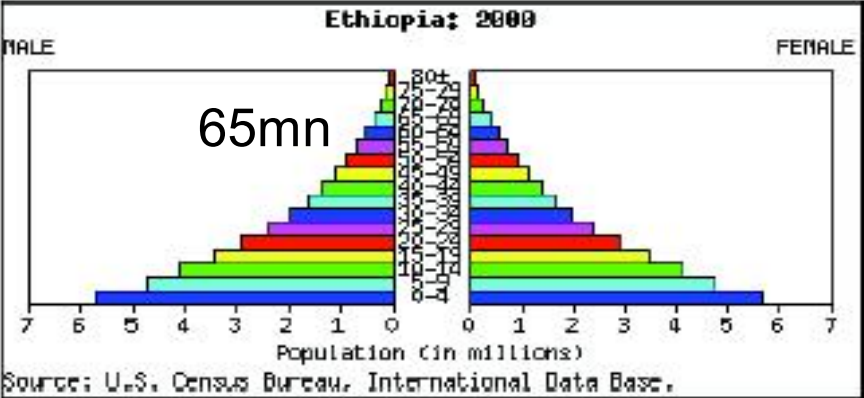
Outcomes

The consequences of asymmetric rainfall Source Nasa

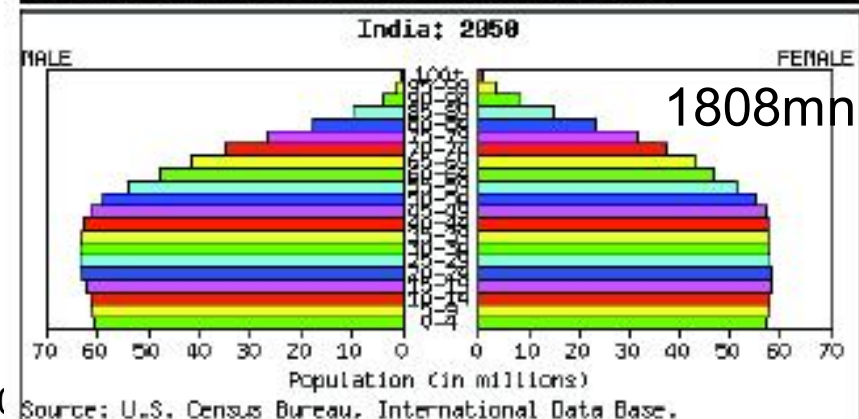
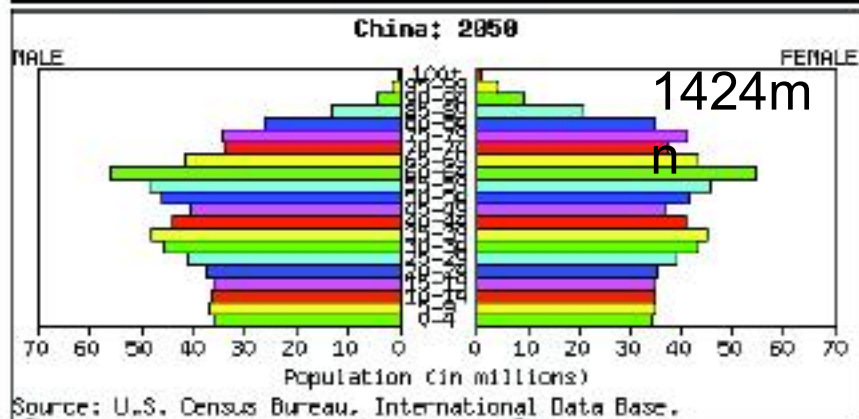
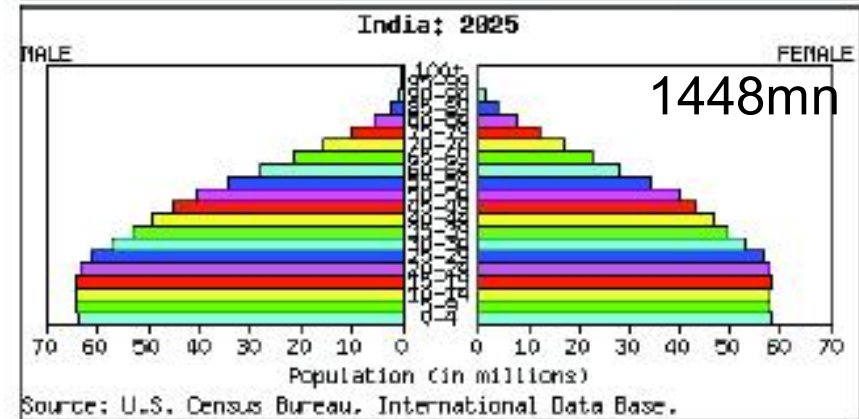
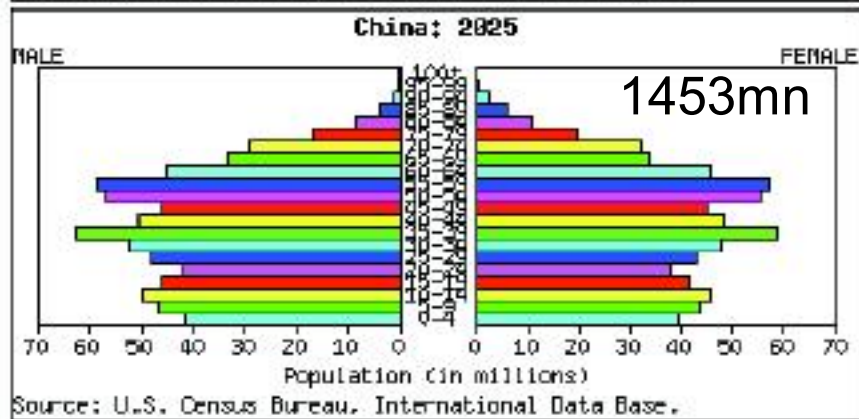
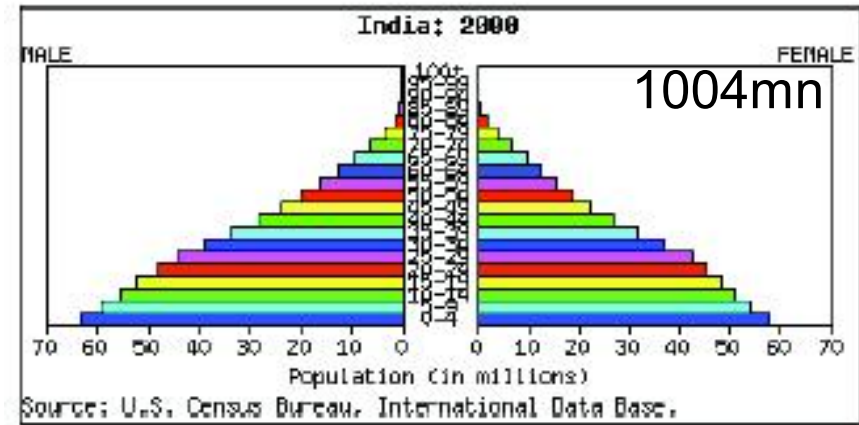
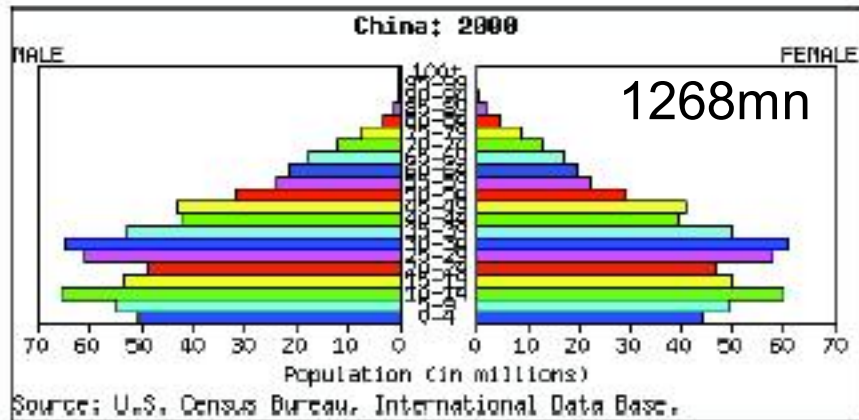


Demographics





Consequences of different political cultures

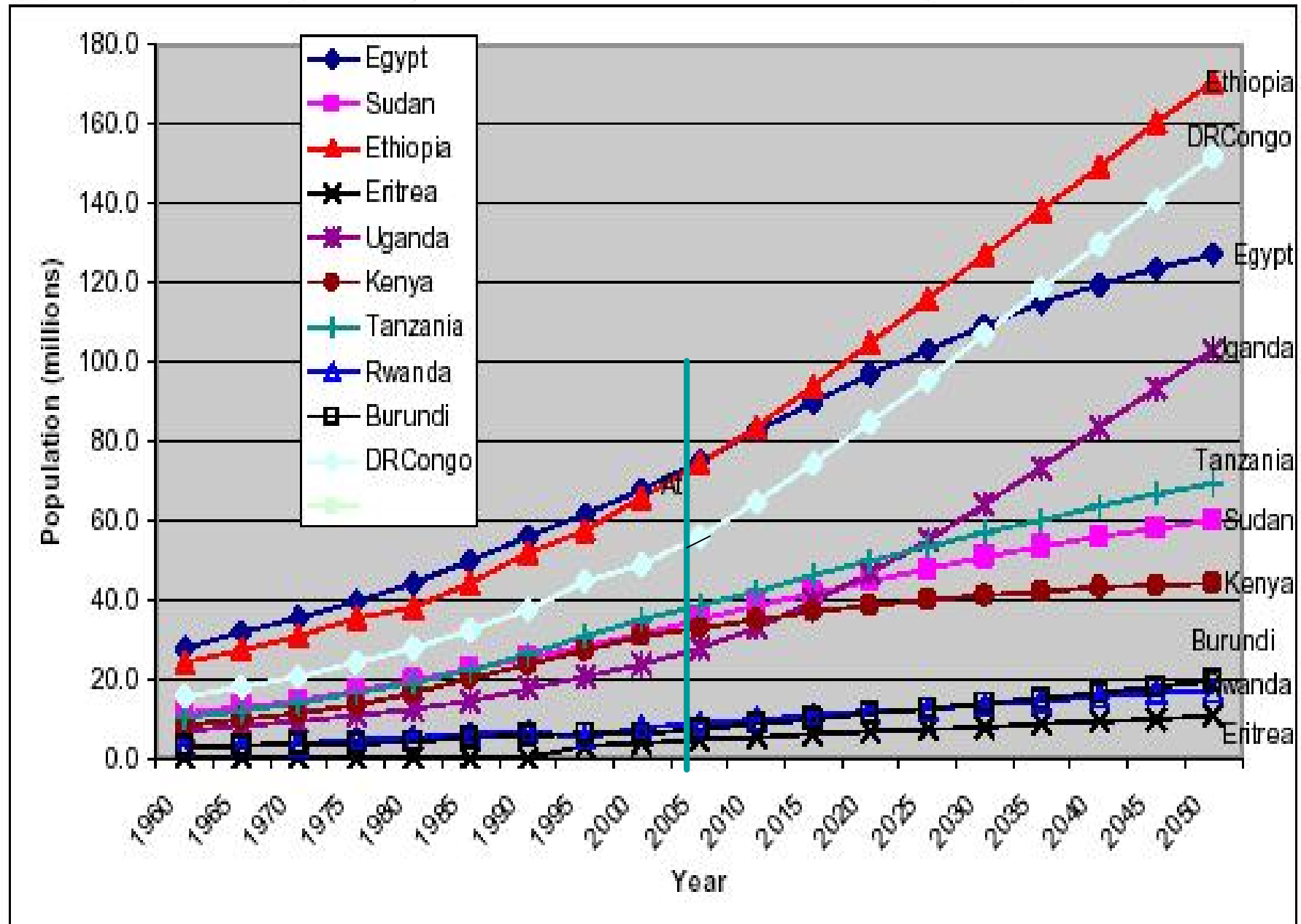


Extract data from IDR Online Aggregation

RG 20

Extract data from IDR Online Aggregation

Figure 2.6 Past and Projected Populations of Nile Basin States, 1960 – 2050. (Millions)



Infrastructure

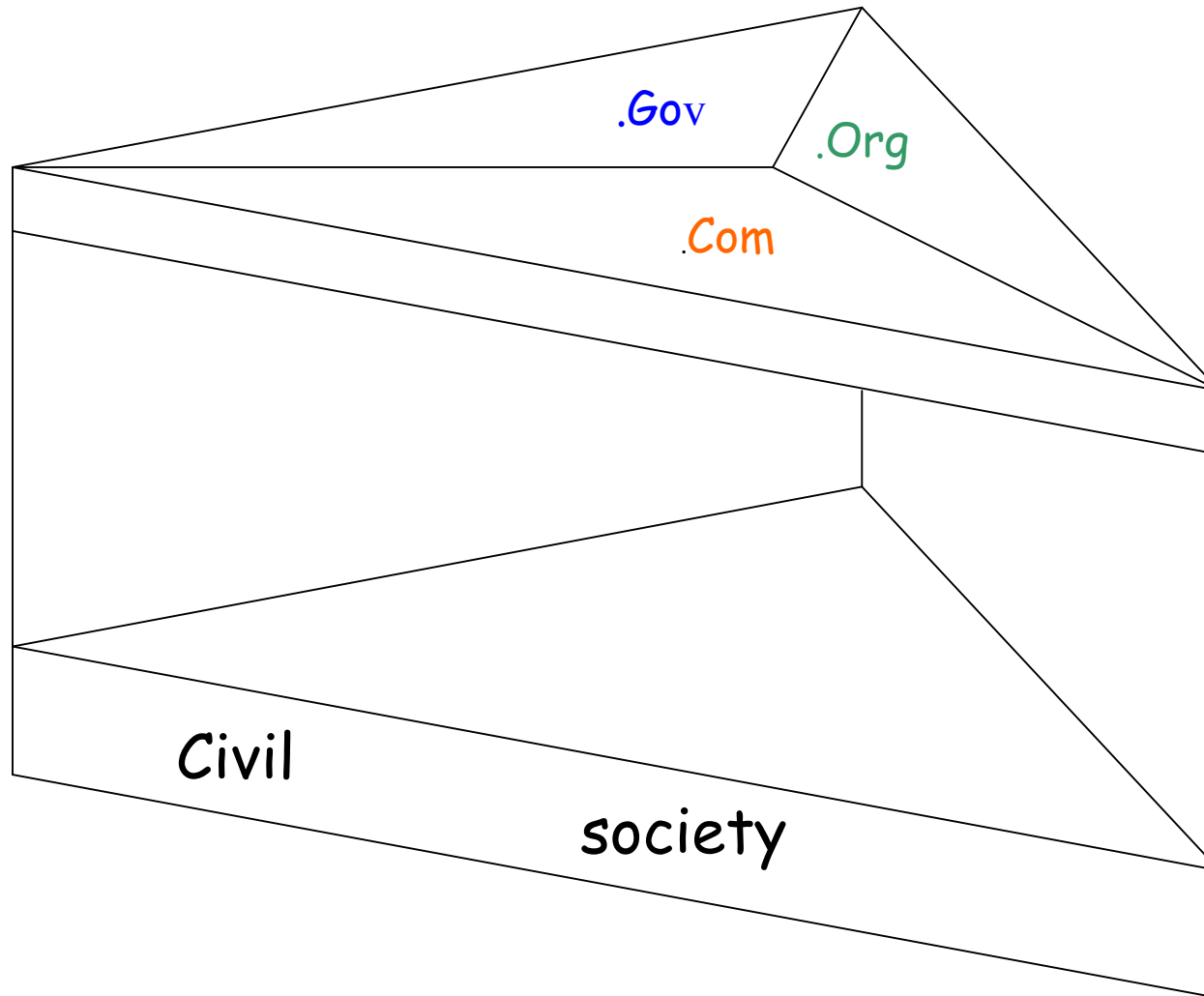
RESPONSE Global Irrigated Area Map Source IWMI.org

Look at the International Water Management Institute [IWMI] website

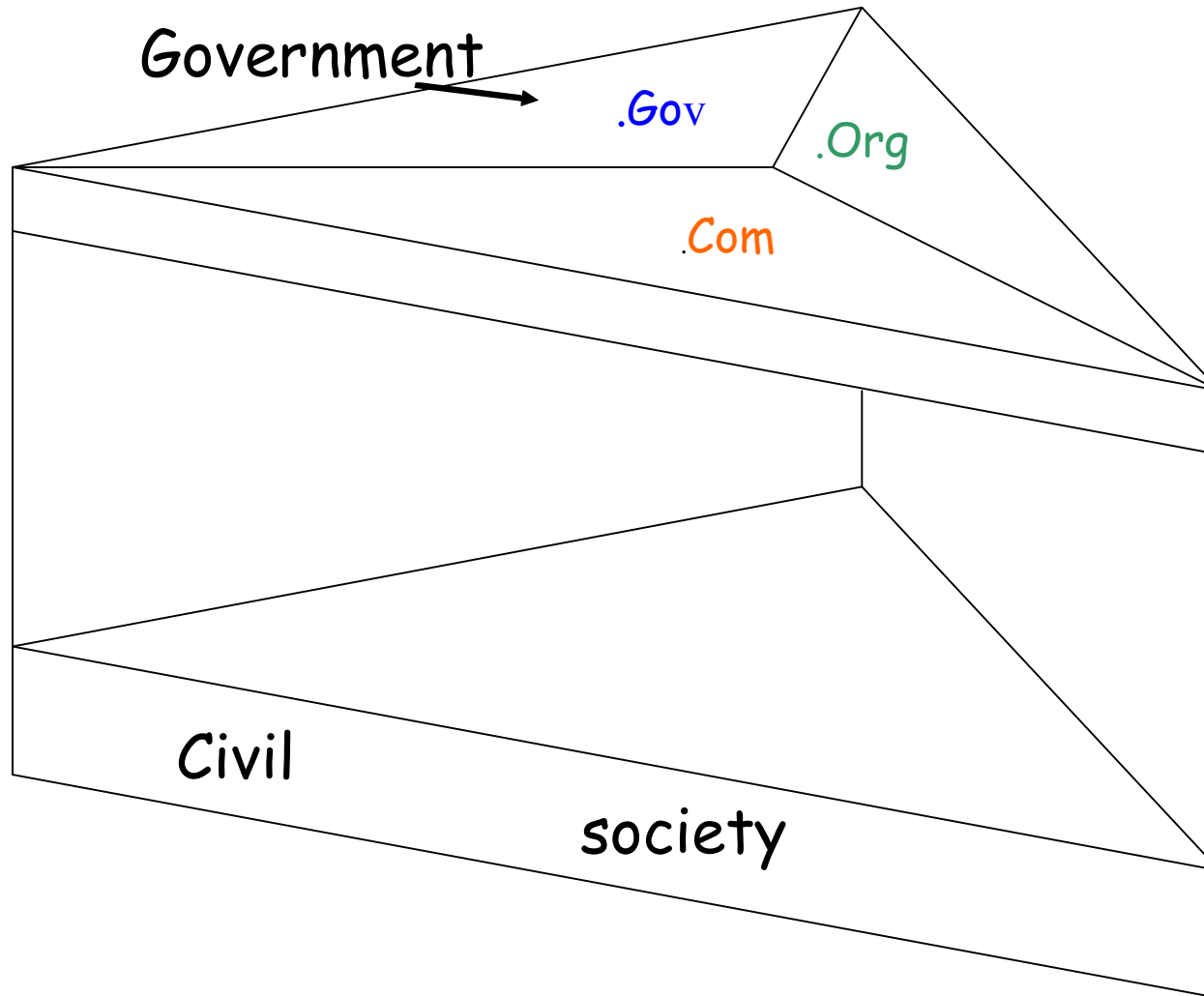


Government and Governance

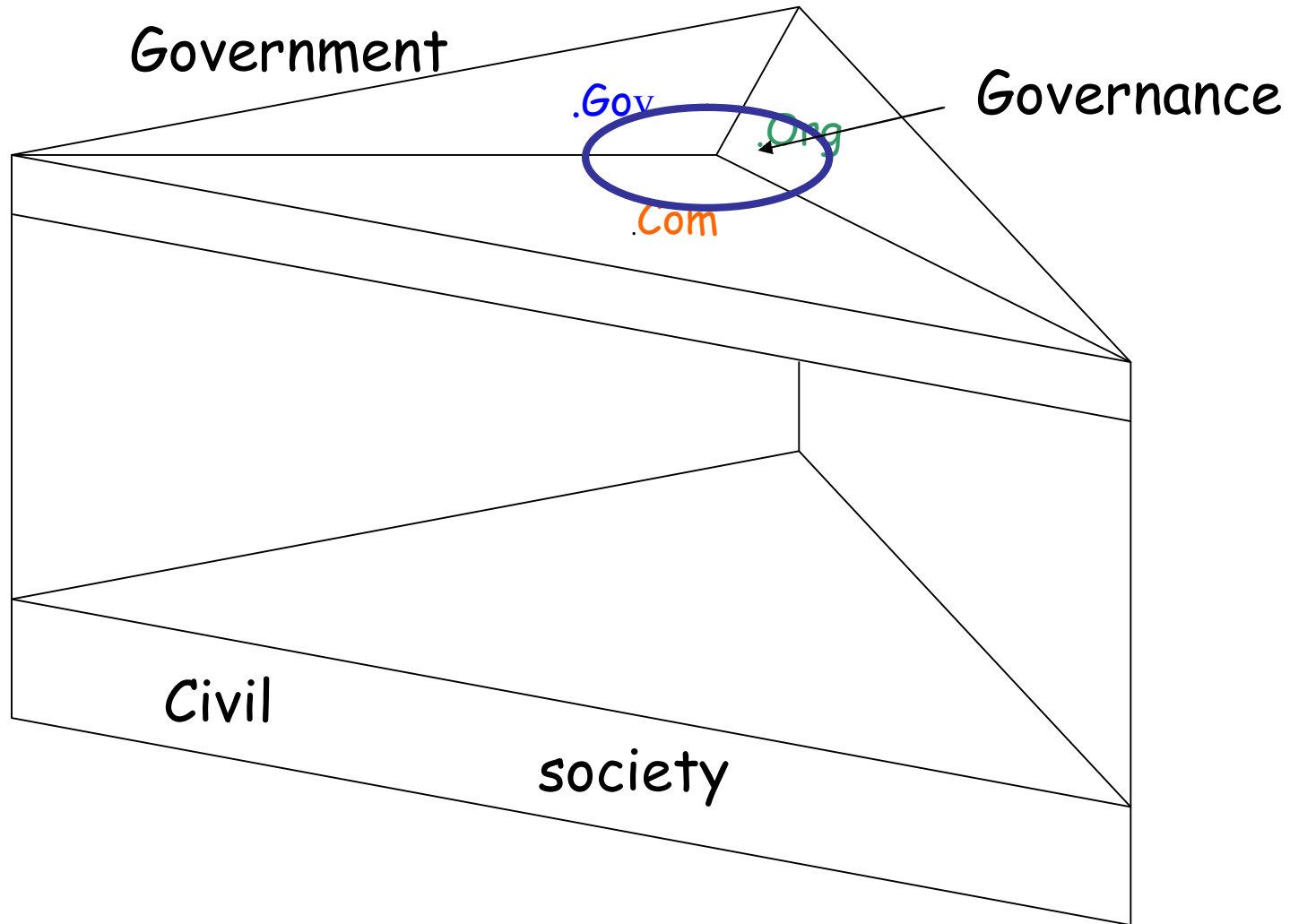
Government & Governance



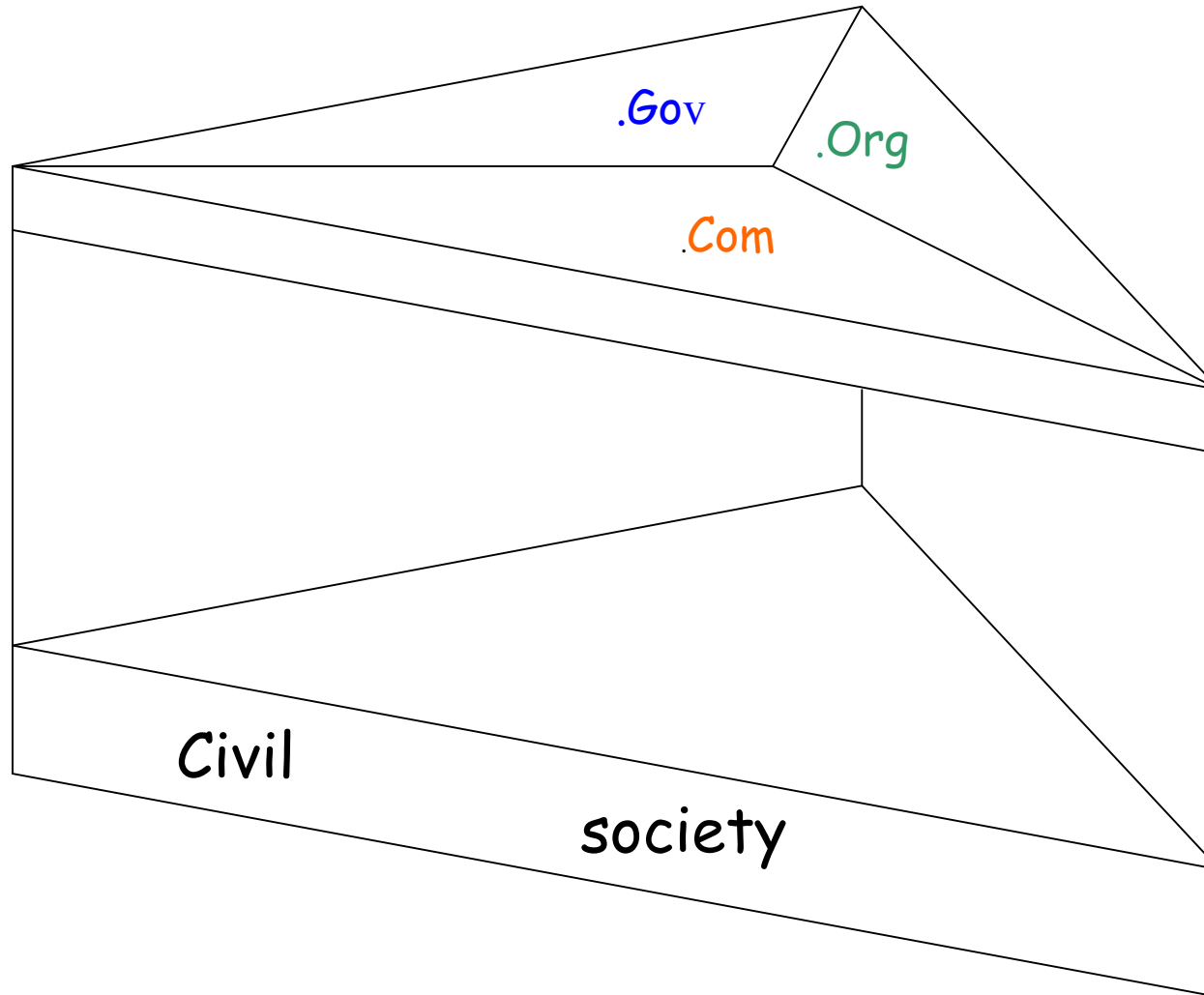
Government & Governance



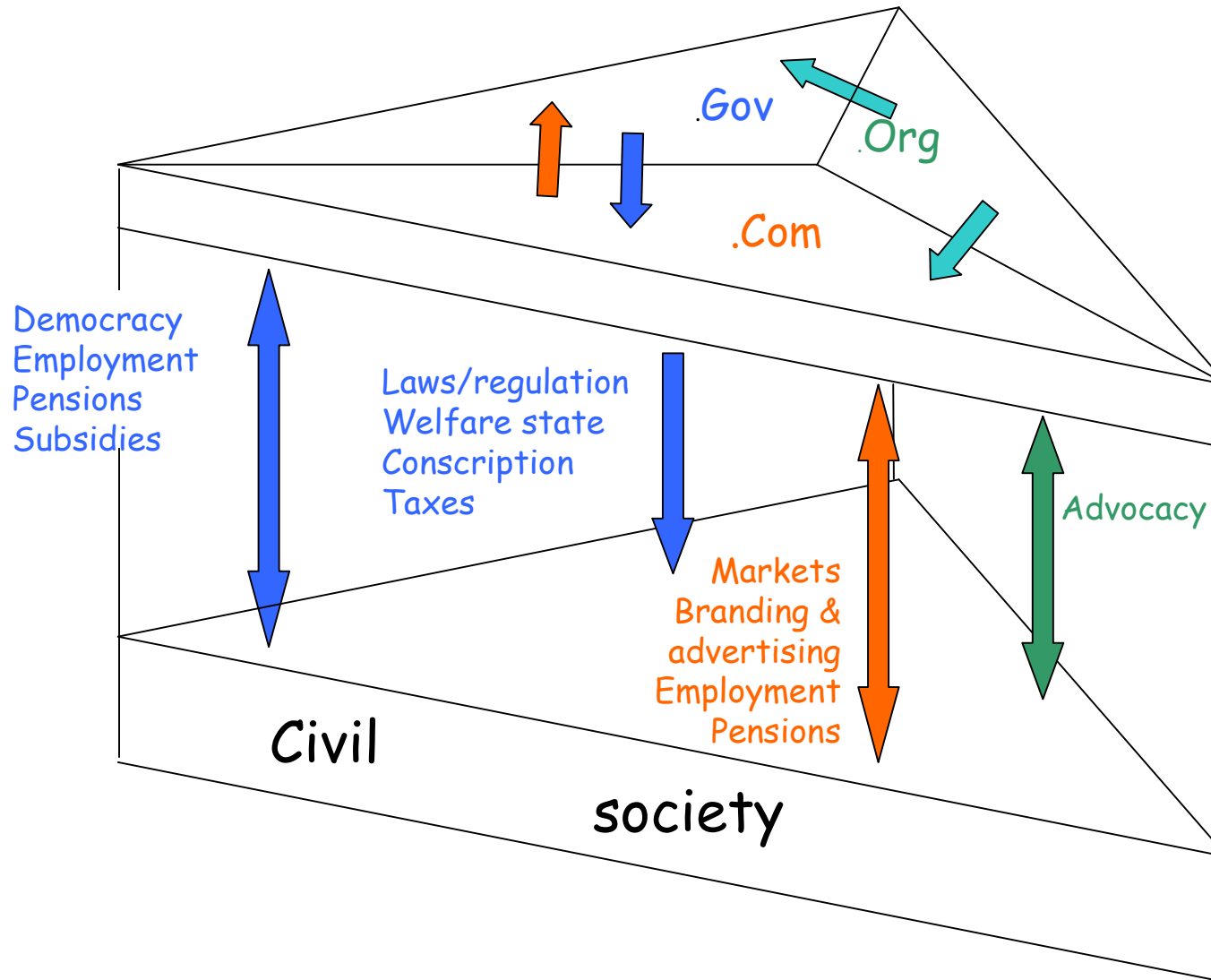
Government & Governance



Governance in a neo-liberal political economies - US, EU etc

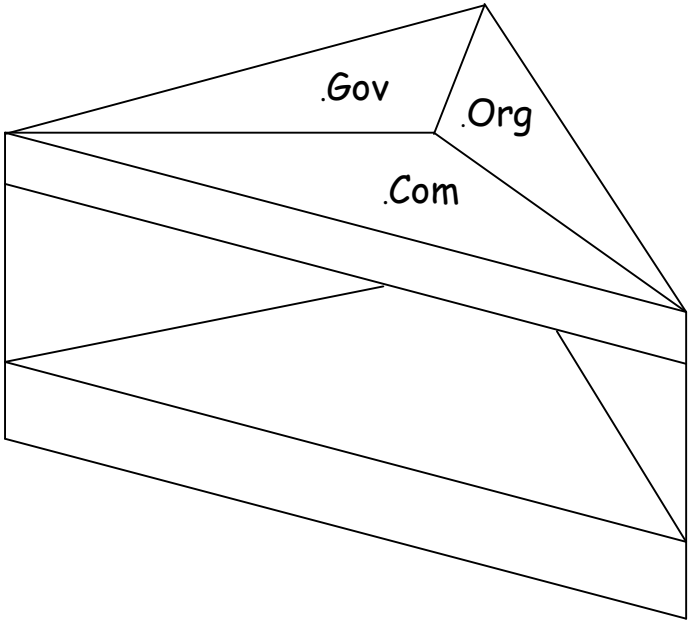


Governance in a neo-liberal political economy

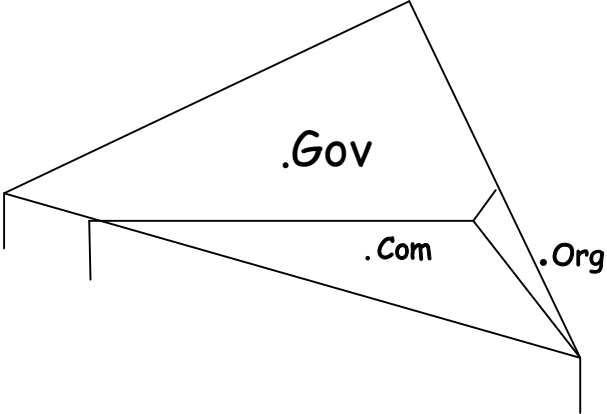


Government/Governance in different political economies

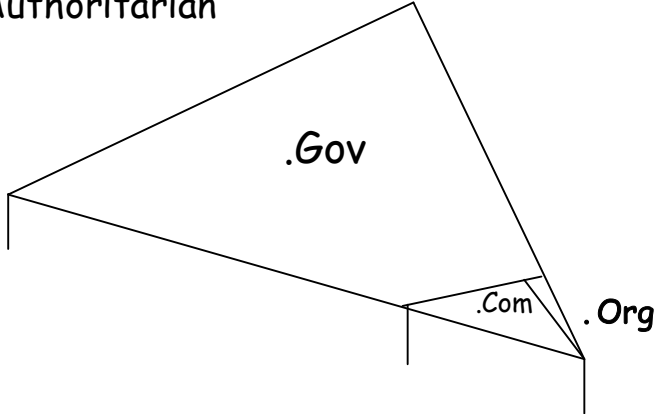
Neo-liberal 'democratic' regime



Common Southern



Authoritarian



Outcomes of Africa's

endowments - including water

demographics,

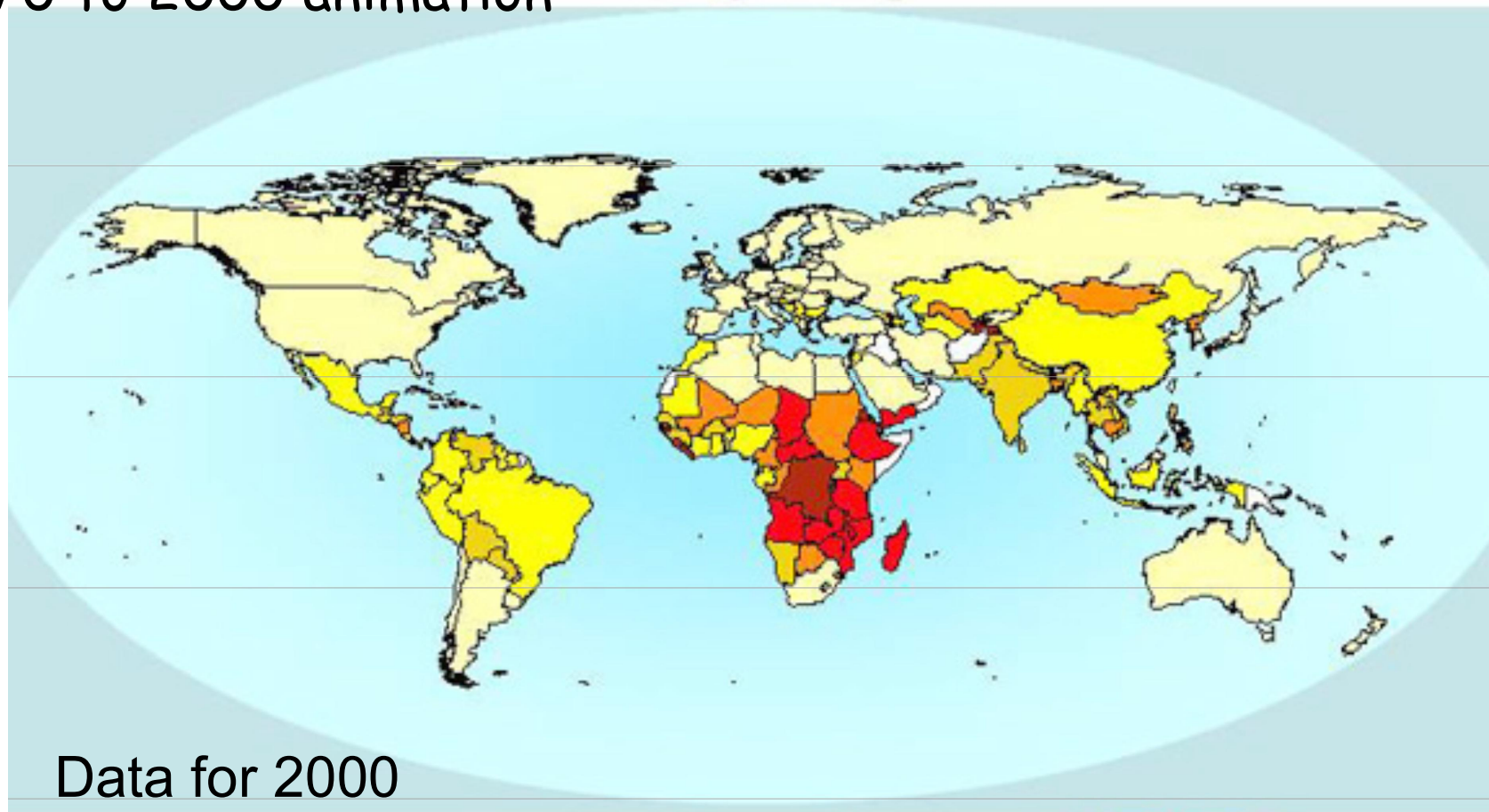
infrastructure

levels of development

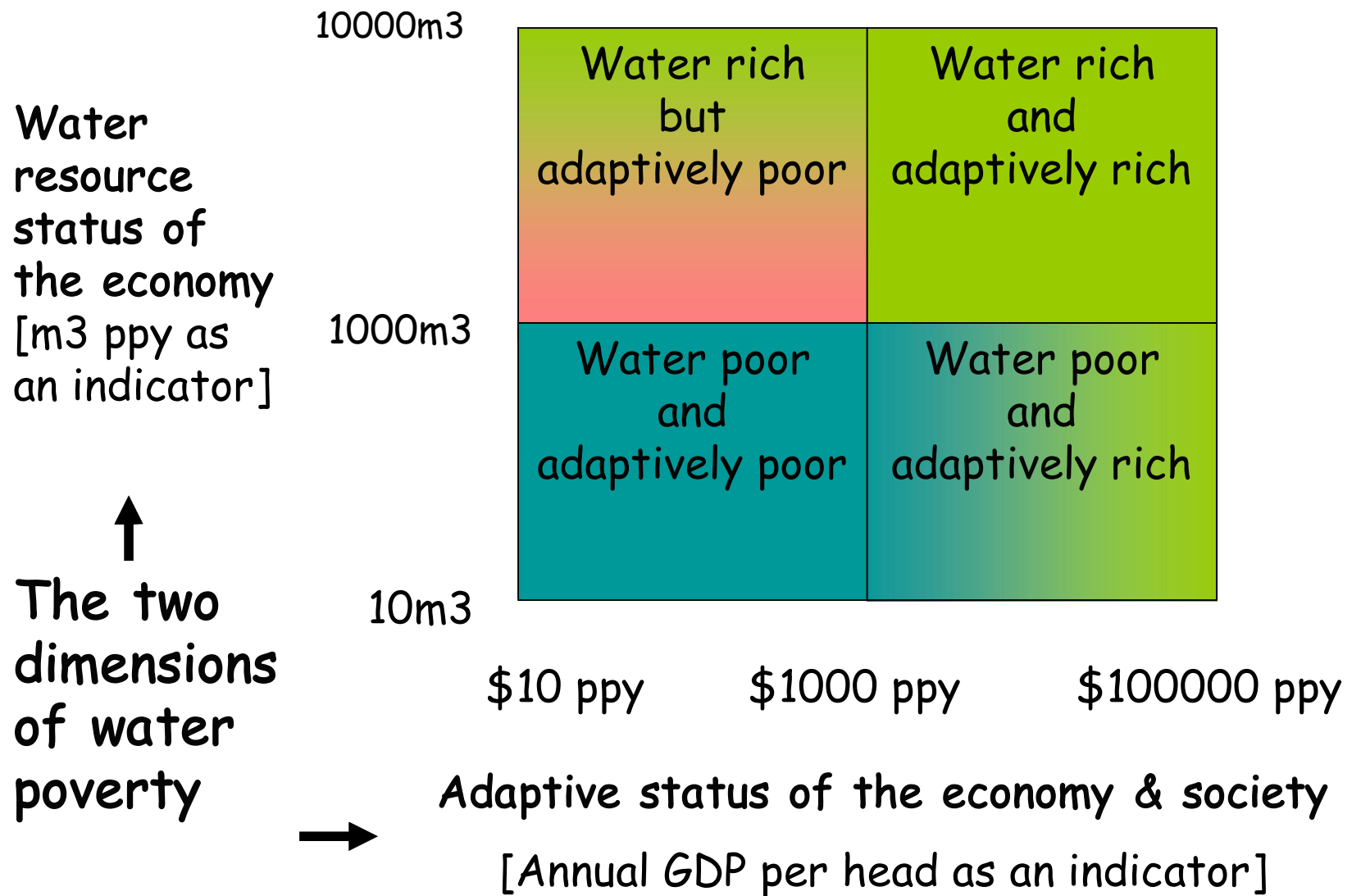
and governance **THE KEY ISSUE**

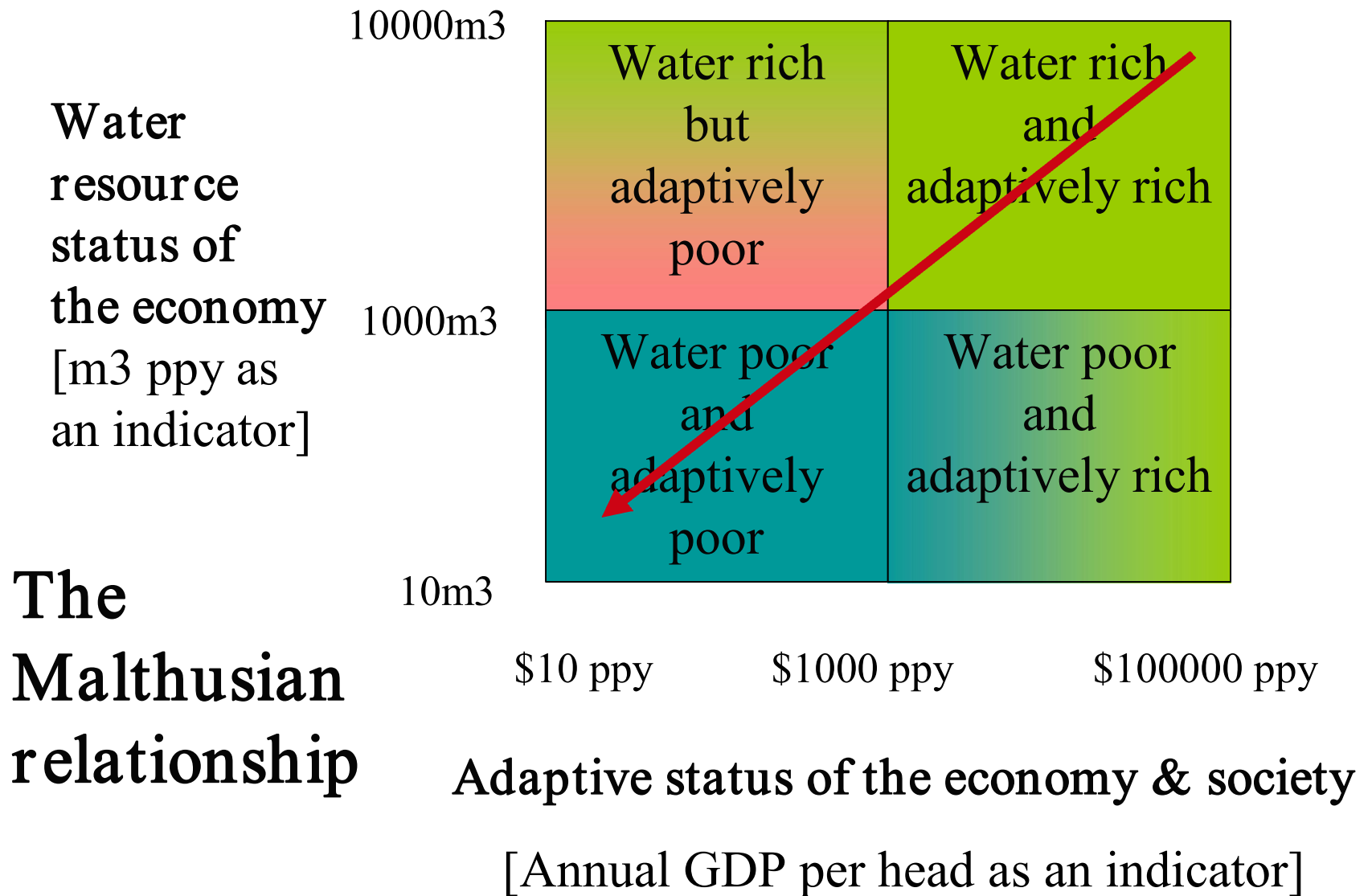
See FAO website for
1970 to 2000 animation


Hunger map



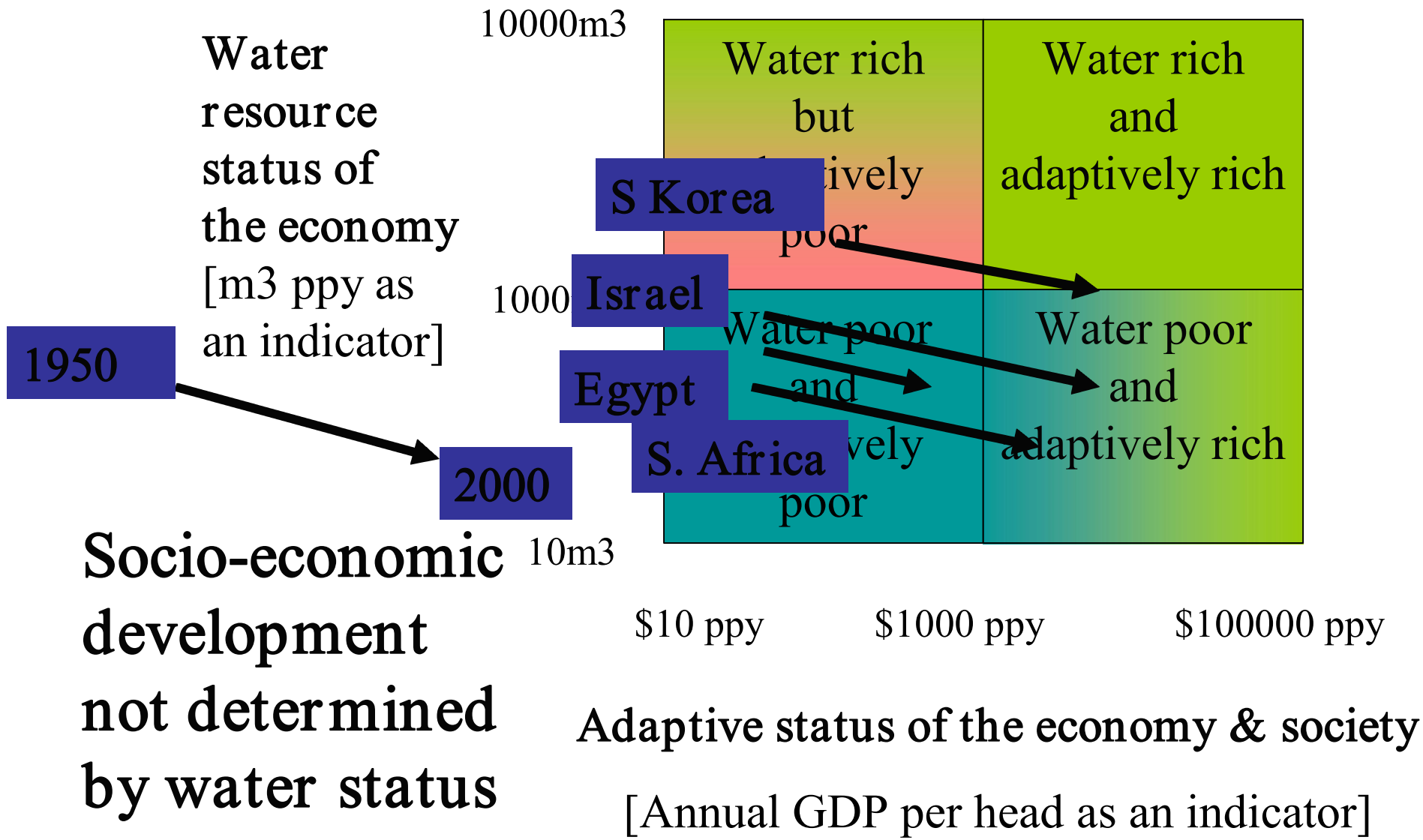
Africa does have some of the most advanced infrastructure and water management and regulation in the world





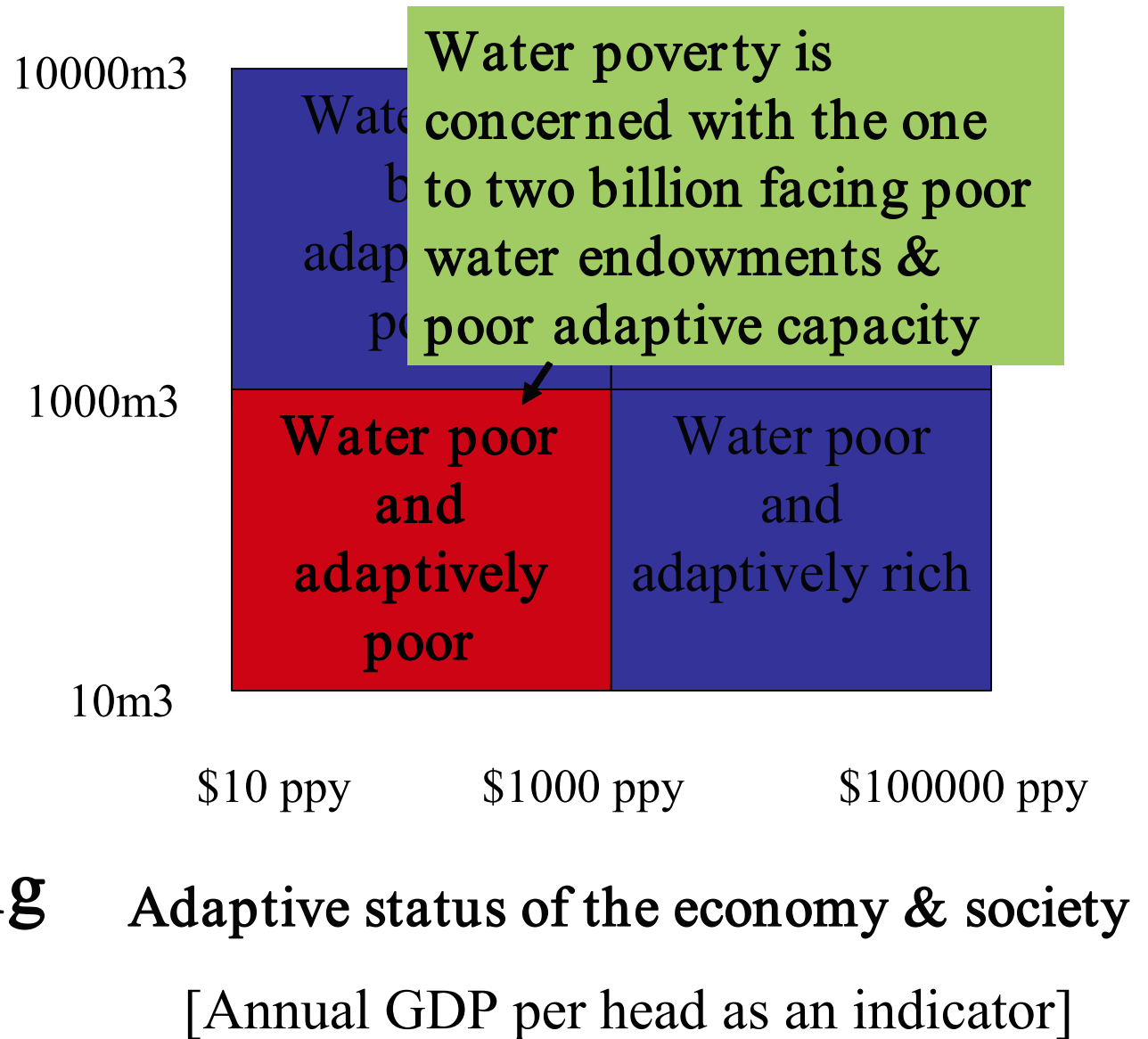
Both the water status and the social adaptive capacity are dynamic.

Communities and political economies have trajectories reflecting worsening local water resource availability - because of rising populations, and improving economies - because of adaptive amelioration.



Water resource status of the economy [m³ ppy as an indicator]

The focus of WPI monitoring & evaluation



Poverty determines water poverty

Water poverty does not determine
poverty

Adaptive capacity is the key resource

Concepts from economics

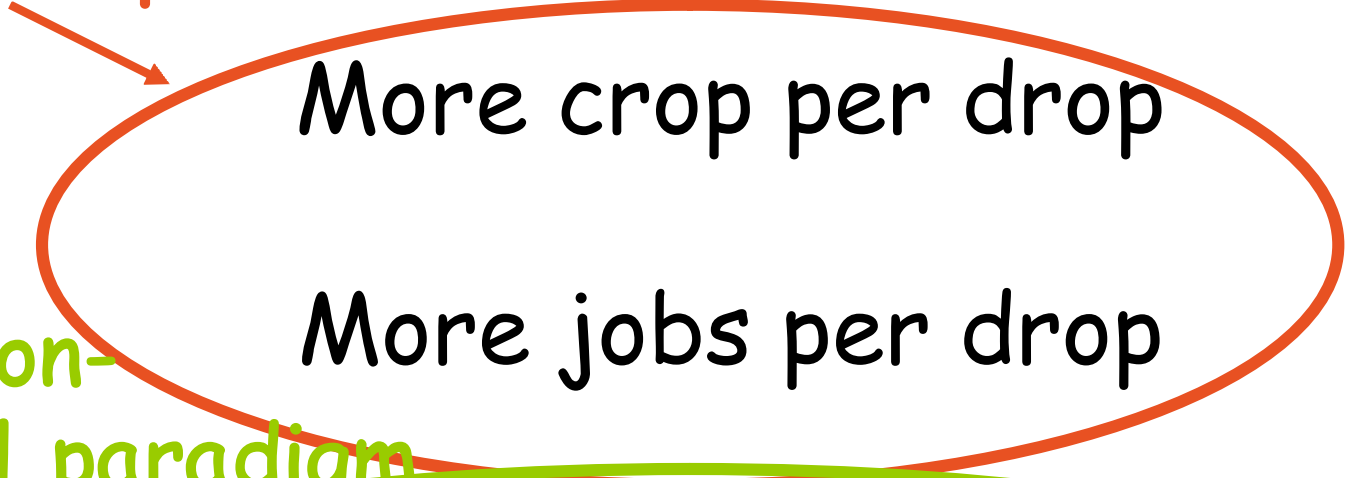


More crop per drop

More jobs per drop

More care per drop

Concepts from economics



Environ-
metal paradigm



5th
paradigm



A politicians prayer

'Some water for everyone for ever'

Kader Asmal 1996

Africa's prayer

'Enough water for everyone and for
the environment for ever'

Thank you

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