

Culture, Innovation, Inclusiveness

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**Information and Knowledge for All:
*Towards an Inclusive Innovation***

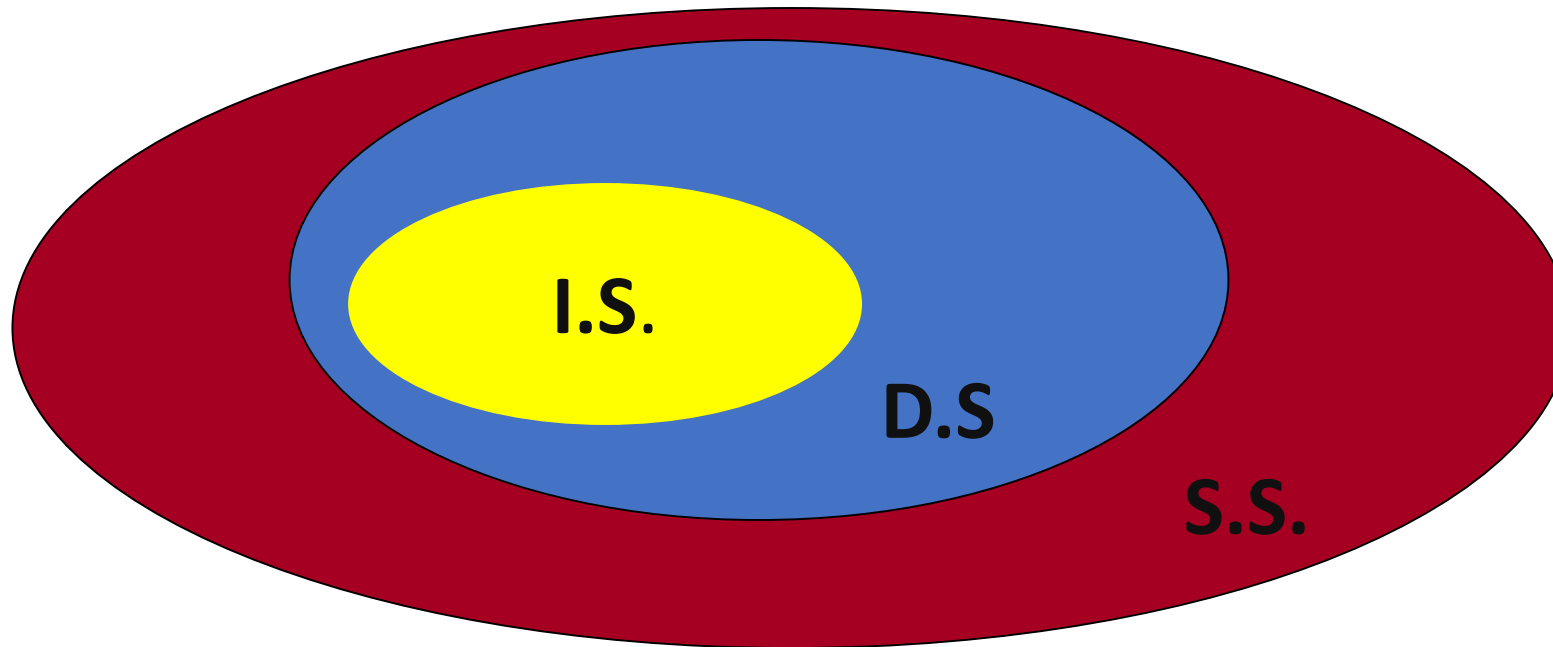
The World Conference on Intellectual Capital for Communities

UNESCO, July 3&4 2017

Innovation and Inclusiveness: Two approaches

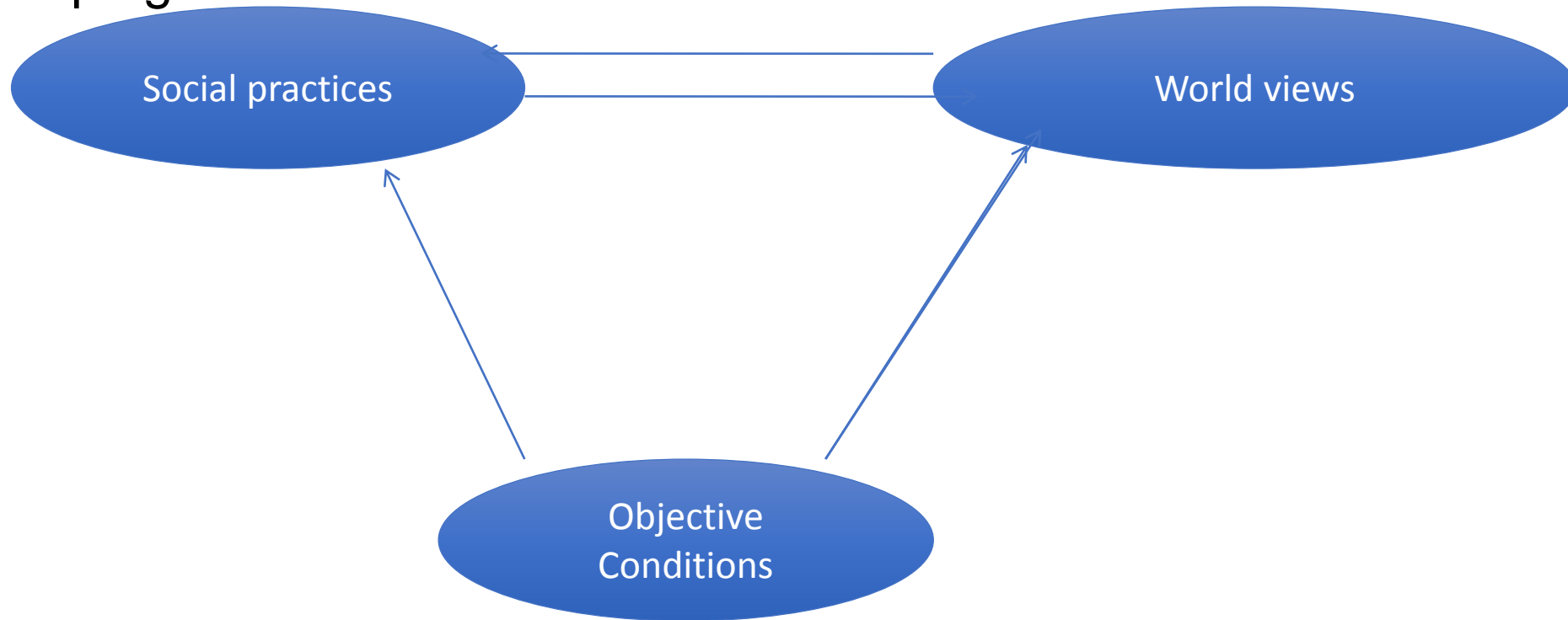
- A narrow approach: innovation defined as the diffusion of new technologies or practices addressing the specific needs and capabilities of the poor/disfranchised
- A broad approach: innovation as key factor of economic growth and social progress that benefit the society as a whole, including the poor.
- Focus of this presentation on the second approach: hence discussion of innovation systems/innovation policy in a broad sense.

INNOVATION, DEVELOPMENT, SOCIETAL SYSTEMS

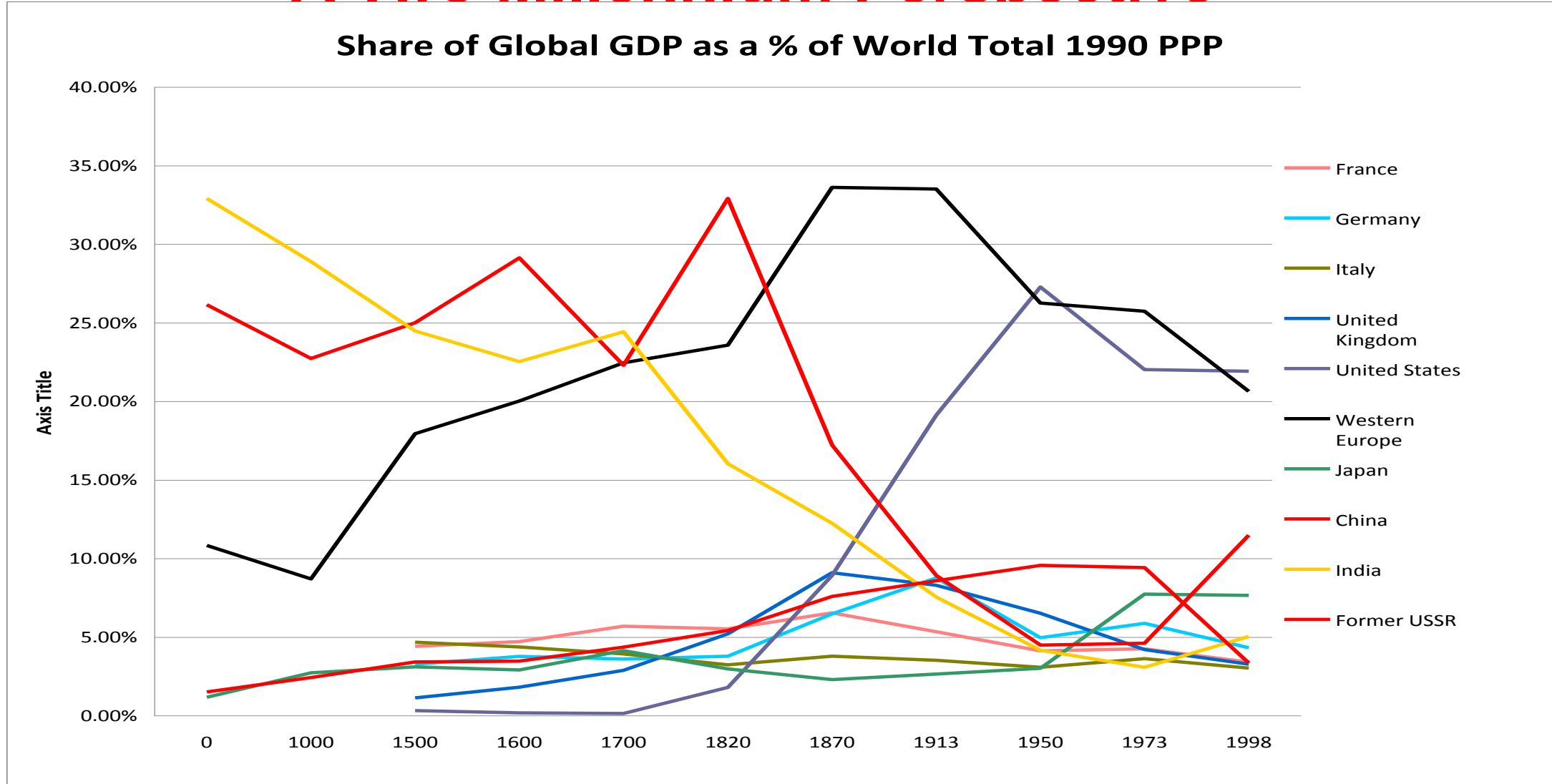


Culture ? How is it shaped?

The shaping of cultures



Share of Global GDP A Two Millennium Perspective



Comparing innovation systems West/East Asia

West

Drivers/specializations

Innovations “breakthrough”,
Science-driven
Inventors/pioneers
Start ups/LE (elite)

East Asia

Drivers/specializations

Mass productions (high tech)
Technologists
Imitators/followers
Large enterprises/networked SME

Comparing Western-Eastern Societies

Transcendent Religion

Immanent Religion

Individualistic Society

Communitarian Society

State separated from society

State integrated in society

Phonetic language

ideographic language

Individuation from the world

Immersion within the world

West vs East

Games: siege vs. infiltration



Innovation, growth and inclusiveness in...

China

- Economic growth driven by mass productions, has benefited large segments of population (poverty reduction)
- Dynamic innovation spots and large scale initiatives (new Silk Road)
- Increasing inequality, risk of social unrest if economic crisis

Japan

- After high performing catching up process (1950-1980), slow growth, stagnation and a declining population
- Still a significant innovative capability
- Technical change for an ageing society (robots, etc)

Innovation Systems -- Western societies

	Research	Industry	Finance	Education
Anglo-Saxon - Exposed individualists	Highly Performing (university)	Start-ups; high tech/services/déf ense	VC/Stock exch.	Competi/inequalitari an/pragmatic
Latin -- Protected individualists	Unevenly performing (public labs)	LE/SME reg. Civil high tech, Trad. ind.	Banks/publi c bodies	Meritocrat/elitist/th eoretical
Rhine/German -- Cooperative individualists	Highly performing Top U/I relations	Key role of ME/networked industry	Bank- industry system	Equalitarian/Dual/ap prenticeship

France: strenghts and weaknesses

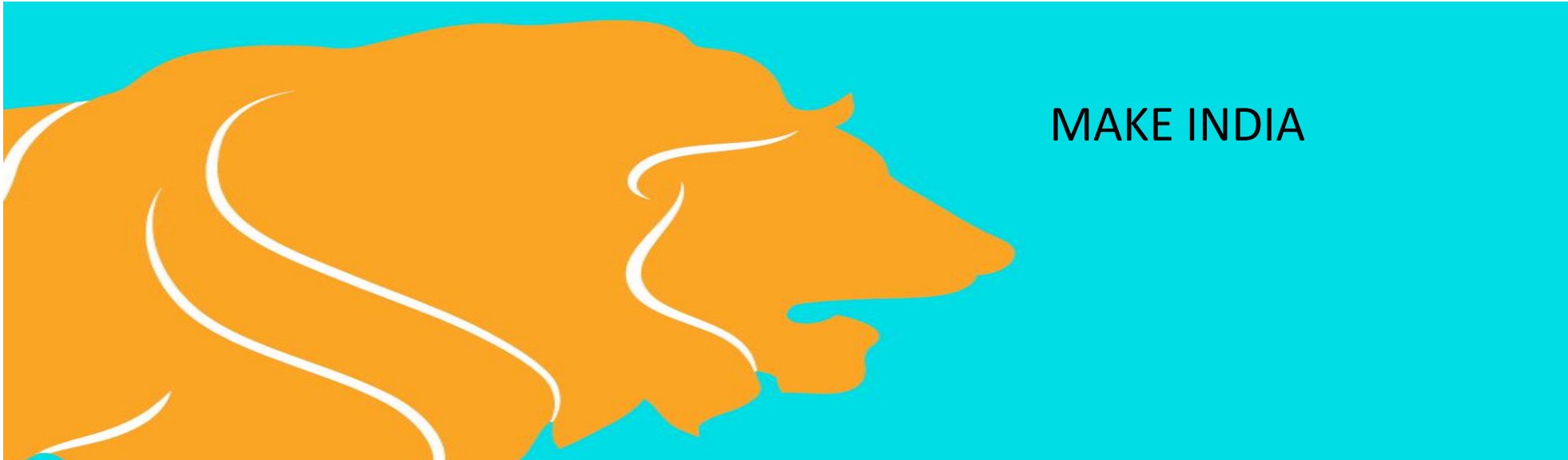


France

- Protected society: « grands corps », trade unions, local commerce chambers, etc.
- Resistances to reforms (labor markets, education, etc)
- Increasing inequalities (elite reproduction)
- Need to rebuild a trust-based and risk-oriented society,
- An opening with the new President (but with a very technocratic power system)

India





And also... FRUGAL INNOVATIONS



Innovations in Africa – A Patchwork



Africa: Persisting governance problems

Mo Ibrahim index of African governance

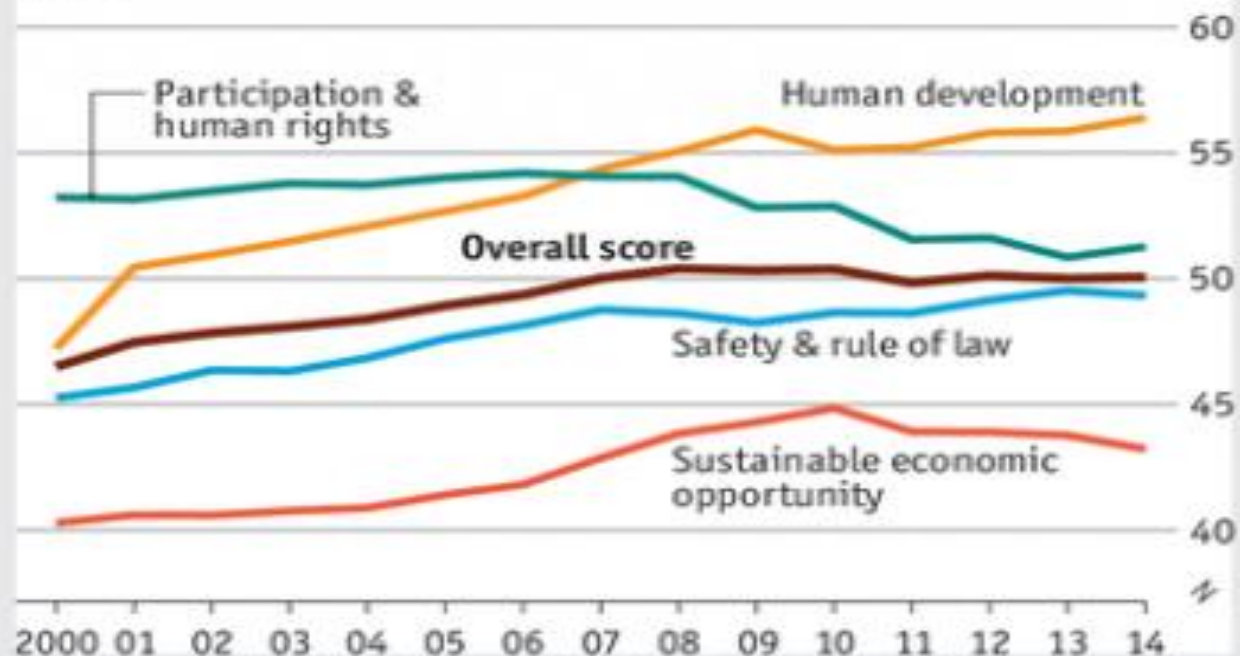
100=best governance

Best ten countries, 2014

Rank	Country	Score	Change since 2011
1	Mauritius	79.9	-0.7 ▼
2	Cape Verde	74.5	-1.9 ▼
3	Botswana	74.2	-1.8 ▼
4	South Africa	73.0	0.9 ▲
5	Namibia	70.4	2.0 ▲
6	Seychelles	70.3	-0.8 ▼
7	Ghana	67.3	-0.4 ▼
8	Tunisia	66.9	2.6 ▲
9	Senegal	62.4	4.5 ▲
10	Lesotho	61.1	2.2 ▲

Source: Mo Ibrahim Foundation

Africa



Rwanda



- Traumatism (genocide) then reconciliation: based on traditional practices
- Authoritarian Governance; large scale projects
- Major Investments in high tech – Neglecting the basics (agriculture)

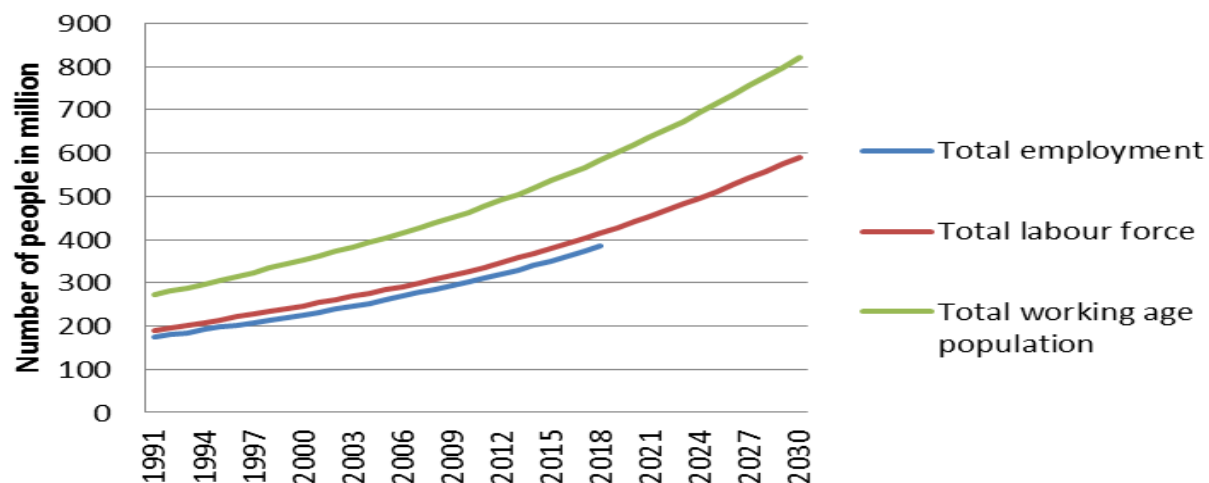
Challenges ahead

- Demographics: Youth bulges in Africa and South Asia; migrations...
- Climate change: droughts, rising sea level, etc.
- Geopolitical tensions
- Financial crises
- Etc.

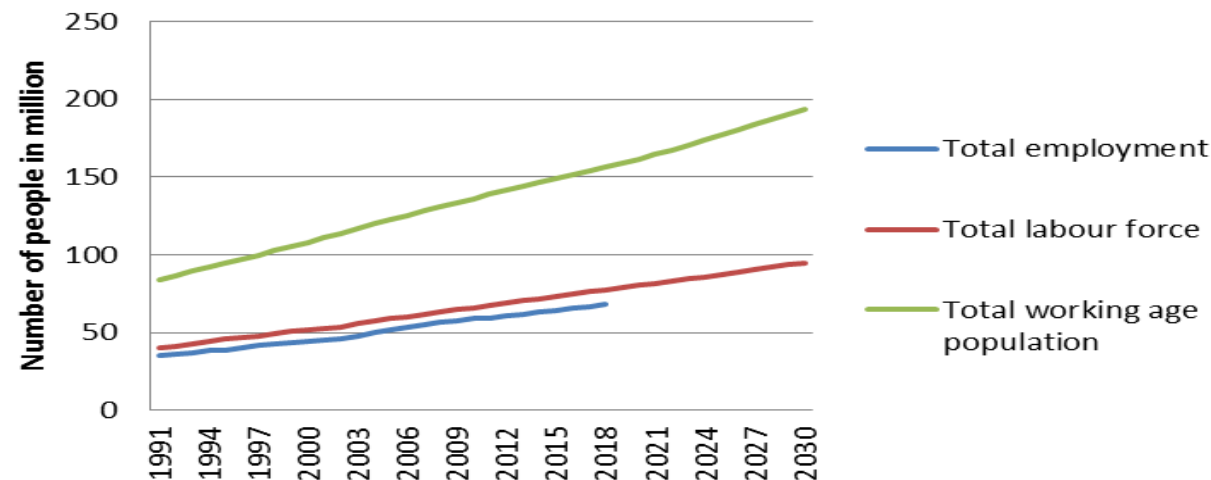
Global issues

Emerging youth and employment

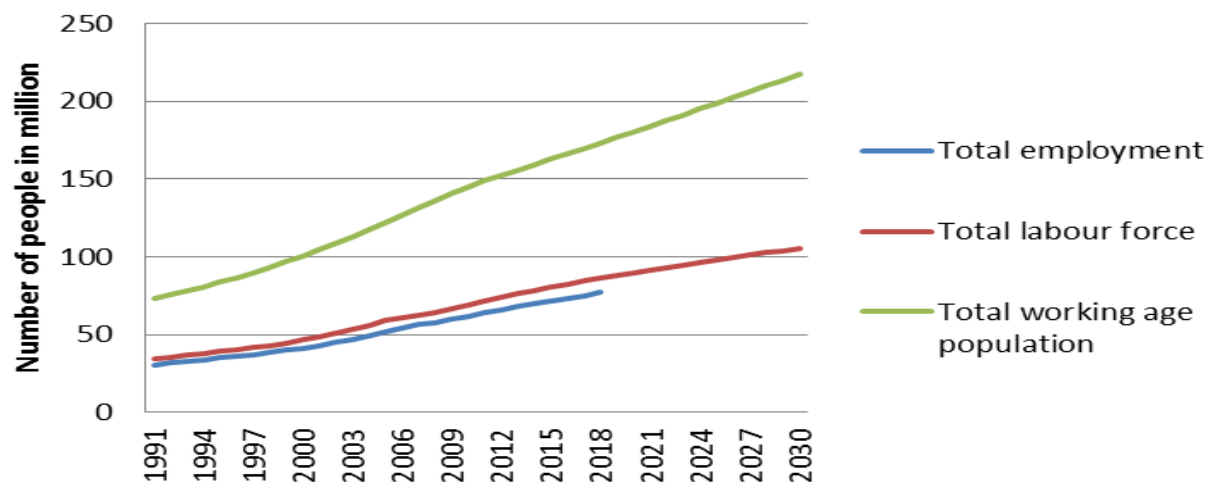
Sub-Saharan Africa



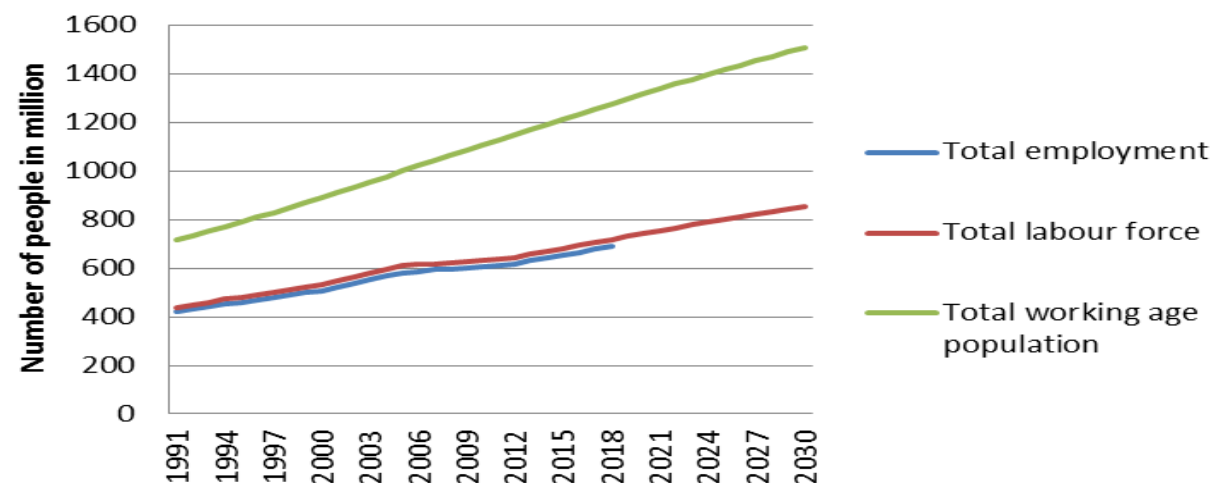
North Africa



Middle East



South Asia



Publication: Jean-Eric Aubert Cultures et Systèmes d'Innovation

Presses des Mines, Paris,

Avril 2017 (142 pages)



- <http://www.pressesdesmines.com/libres-opinions/cultures-et-systemes-d-innovation.html>

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