



Themes

- Overview
- About Africa
- What opportunities are there in Africa?
- What are we doing in Africa?
- What needs to be done in Africa?
- How do we get there?

IEEE Ad Hoc Committee for Africa

- ▶ Vincent Kaabunga, Uganda (Chair)
- ▶ Towela Nyirenda-Jere, Malawi
- ▶ Joseph Mutale, Zambia
- ▶ John Funso, Nigeria
- ▶ Gertjan van Stam, Zimbabwe
- ▶ Costas Stasopoulos, Cyprus
- ▶ Tara Wisniewski, IEEE Staff (Primary support)
- ▶ Doug Gorham, IEEE Staff
- ▶ Eileen Lach, IEEE Staff

The mission...

“...develop a roadmap for programs and initiatives to guide IEEE’s future activities in sub-Saharan Africa.”

The basics...

$$\textit{membership} = f(\textit{member value})$$

The basics...

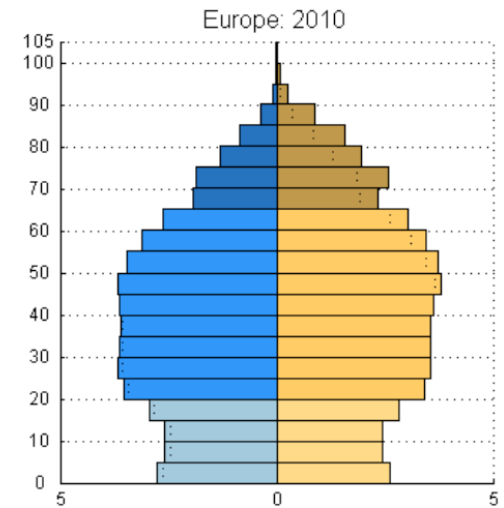
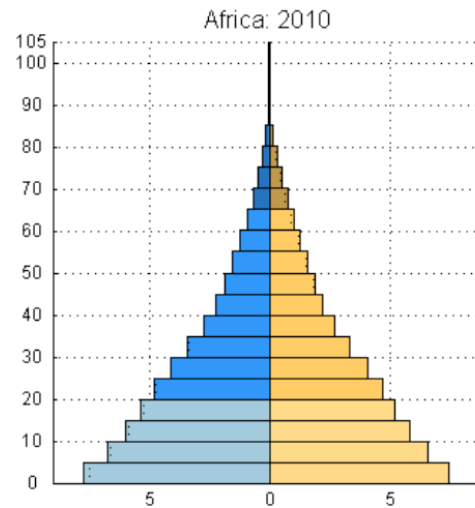
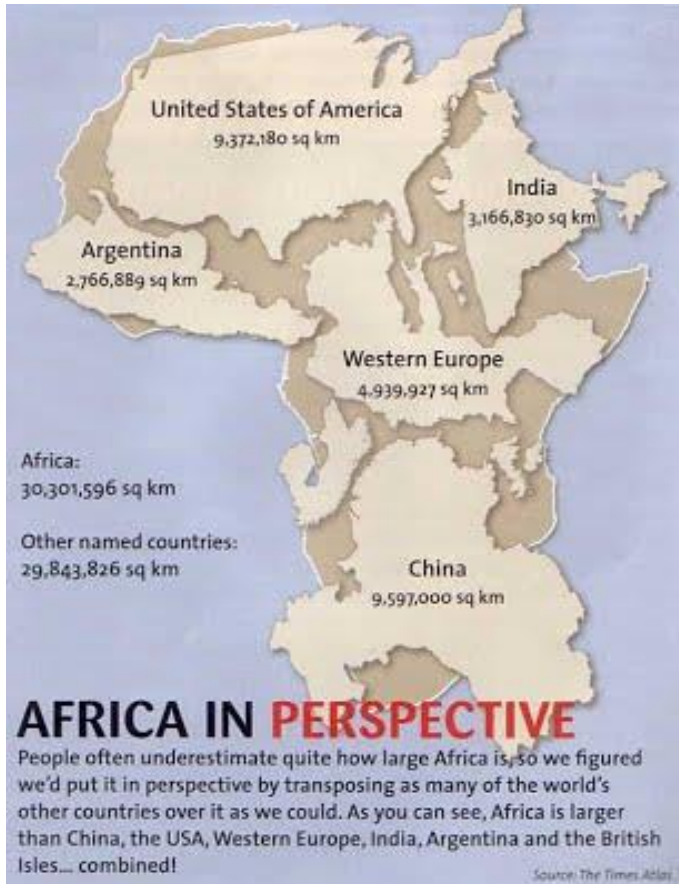
membership value =

$$\sum f(\text{stuff that I get}) \quad f(\text{by association})$$

IEEE in Africa: A Snapshot

- ▶ Nearly 8,000 members in 13 sections and sub-sections with close to 100% of Africa's 54 countries represented
- ▶ Wide range of activities from across all IEEE organizational units: Conferences, Publications, Technical Communities, Educational Activities
- ▶ IEEE recognizes the tremendous growth of technology and innovation in Africa and is committed to supporting the African technical community

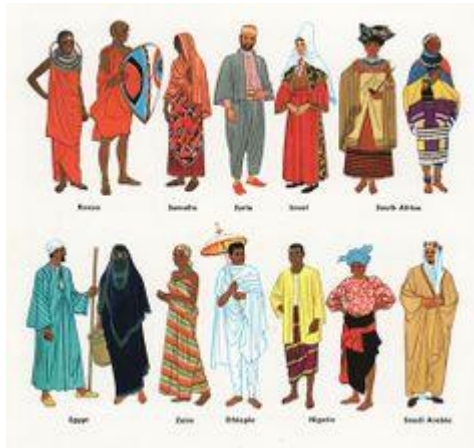
Demographic Facts and Predictions



Up to 2050: 2 bln African births

- ▶ under-18 swell to 1 billion
- ▶ 40% of all children in Africa

As diverse as they come ...



Africa is One of the World's Fastest-Growing Regional Economies

Over the ten years up to 2010, six of the world's ten fastest-growing economies were in SSA.

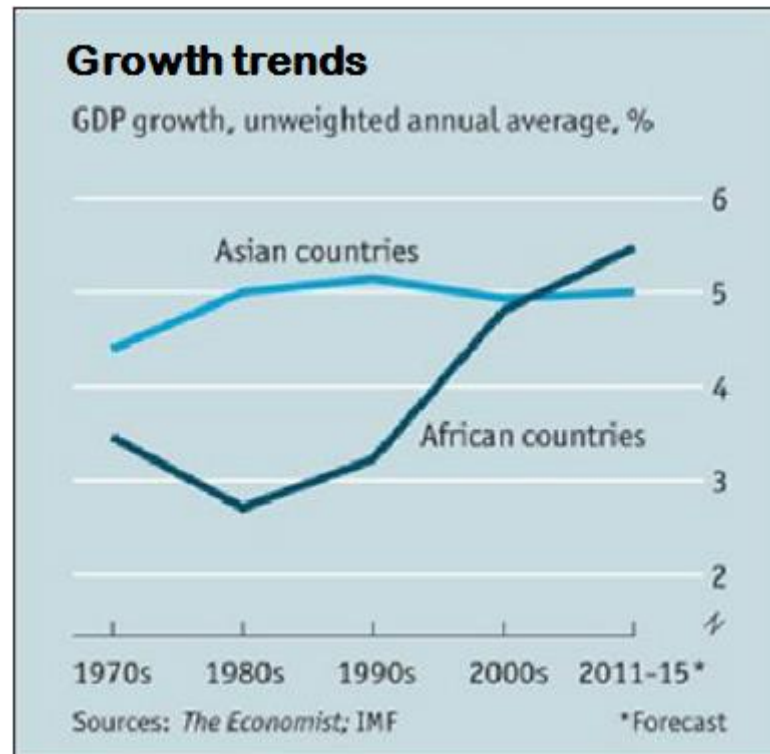
Go south, young man
World's ten fastest-growing economies*
Annual average GDP growth, %

2001-2010†		2011-2015‡	
Angola	11.1	China	9.5
China	10.5	India	8.2
Myanmar	10.3	Ethiopia	8.1
Nigeria	8.9	Mozambique	7.7
Ethiopia	8.4	Tanzania	7.2
Kazakhstan	8.2	Vietnam	7.2
Chad	7.9	Congo	7.0
Mozambique	7.9	Ghana	7.0
Cambodia	7.7	Zambia	6.9
Rwanda	7.6	Nigeria	6.8

Sources: The Economist; IMF
*Excluding countries with less than 10m population and Iraq and Afghanistan
†2010 estimate ‡IMF forecast

Over the next five years, Africa will grab seven of the top ten places and the average African economy will outpace its Asian counterpart.

Africa is One of the World's Fastest-Growing Regional Economies



Africa is One of the World's Fastest-Growing Regional Economies

- ▶ Today the rate of return on foreign investment in Africa is higher than in any other developing region.
- ▶ Middle-class in Africa was expected to surpass India and Russia by 2014.
- ▶ By 2040, Africa's work force is projected to reach 1.1 billion, overtaking China and India

Africa's visions for its future



Engineering in Africa



What is IEEE penetration in Africa?

<u>Country</u>	<u>Membership</u>
Egypt	2,694
Nigeria	1,507
South Africa	1,288
Tunisia	877
Others	1,453
TOTAL	7,819

**These are not current membership numbers*

How are others faring?

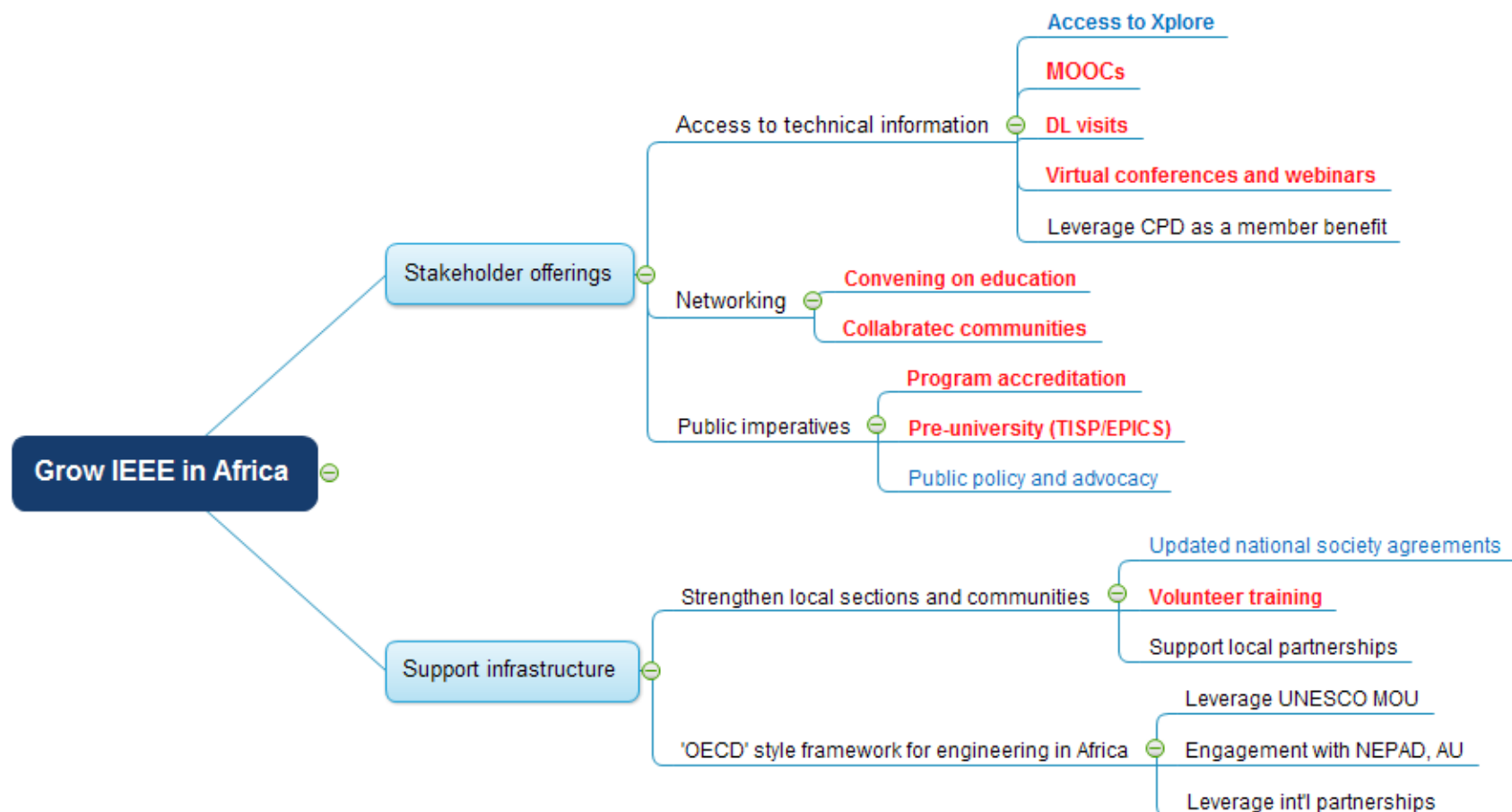
<u>Country</u>	<u>IEEE</u>	<u>ISACA</u>
South Africa	1,288	2,395
Ghana	234	496
Kenya	128	1,277
Tanzania	48	286
Uganda	42	263

**These are not current IEEE membership numbers*

Ask the stakeholders



The road ahead...



Thank you

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