



IPv6 in Africa

Challenges and Opportunities

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Slide 1



Statistical facts about Africa!!

The True Size of Africa

A small contribution in the fight against rampant innuendo; by Kai Krause

Graphic layout for visualization only (some countries are cut and rotated)
But the conclusions are very accurate: refer to table below for exact data

COUNTRY	AREA x 1000 km ²
China	9.597
USA	9.629
India	3.287
Mexico	1.964
Peru	1.285
France	633
Spain	506
Papua New Guinea	462
Sweden	441
Japan	378
Germany	357
Norway	324
Italy	301
New Zealand	279
United Kingdom	243
Nepal	147
Bangladesh	144
Greece	132
TOTAL	30.102
AFRICA	30.221



Top 100 Countries

Area in square kilometers, Percentage of World Total
Sources: Britannica, Wikipedia, Almanac 2011

In addition to the well known social issues of *illiteracy* and *innuendery*, there also should be such a concept as "*innuendancy*", meaning *insufficient geographical knowledge*.

A survey with random American schoolkids let them guess the population and land area of their country. Not entirely unexpected, but still rather unsettling, the majority chose "7-2 billion" and "largest in the world", respectively.

Even with Asian and European college students, geographical estimates were often off by factors of 2-3. This is partly due to the highly distorted nature of the predominantly used mapping projections (such as Mercator).

A particularly extreme example is the worldwide misjudgement of the true size of Africa. This single image tries to embody the massive scale, which is larger than the USA, China, India, Japan and all of Europe.....combined!

Statistical facts about **Africa!!**

Fact

- There are over 1 billion people living in Africa, which represents 15% of the world's population.

Fact

- Only 11.5% of the people living in Africa are currently online.

Fact

- Africa represents 5.6% of the total world's users.

Statistical facts about **Africa!!**

Challenge or **Opportunity??**

Economical facts about **Africa!!**

Fact

- Despite a slowdown in the global economic recovery and an increasingly difficult global environment, Sub-Saharan African countries are continuing to post solid growth.

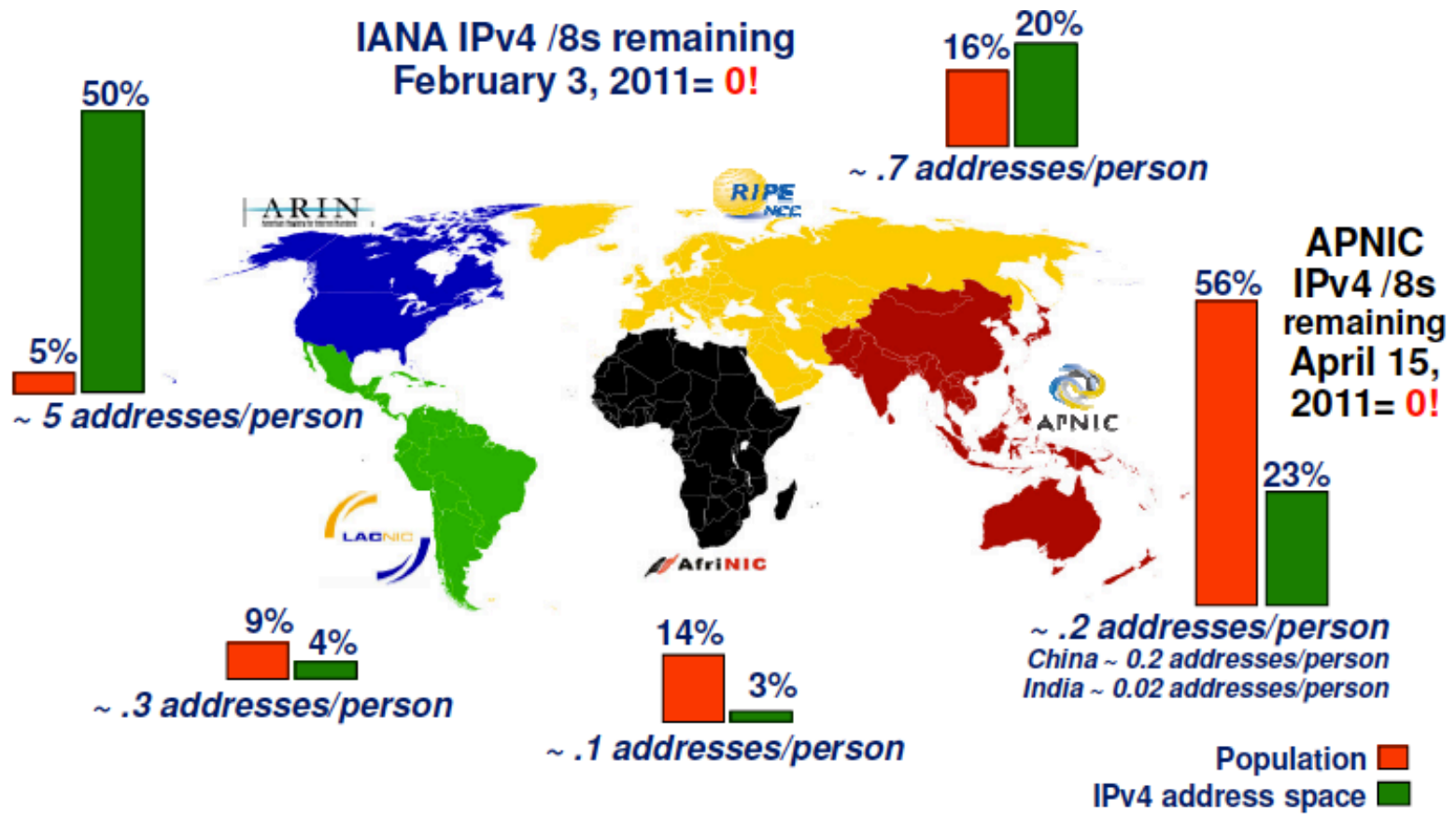
Fact

- African countries are amongst the fastest growing countries in the world: Ghana is projected to grow by well over 10% this year; and nearly 40% of the countries in the region are likely to see 6% or higher growth rates.

Economical facts about **Africa!!**

Challenge or **Opportunity??**

Internet facts about Africa!!



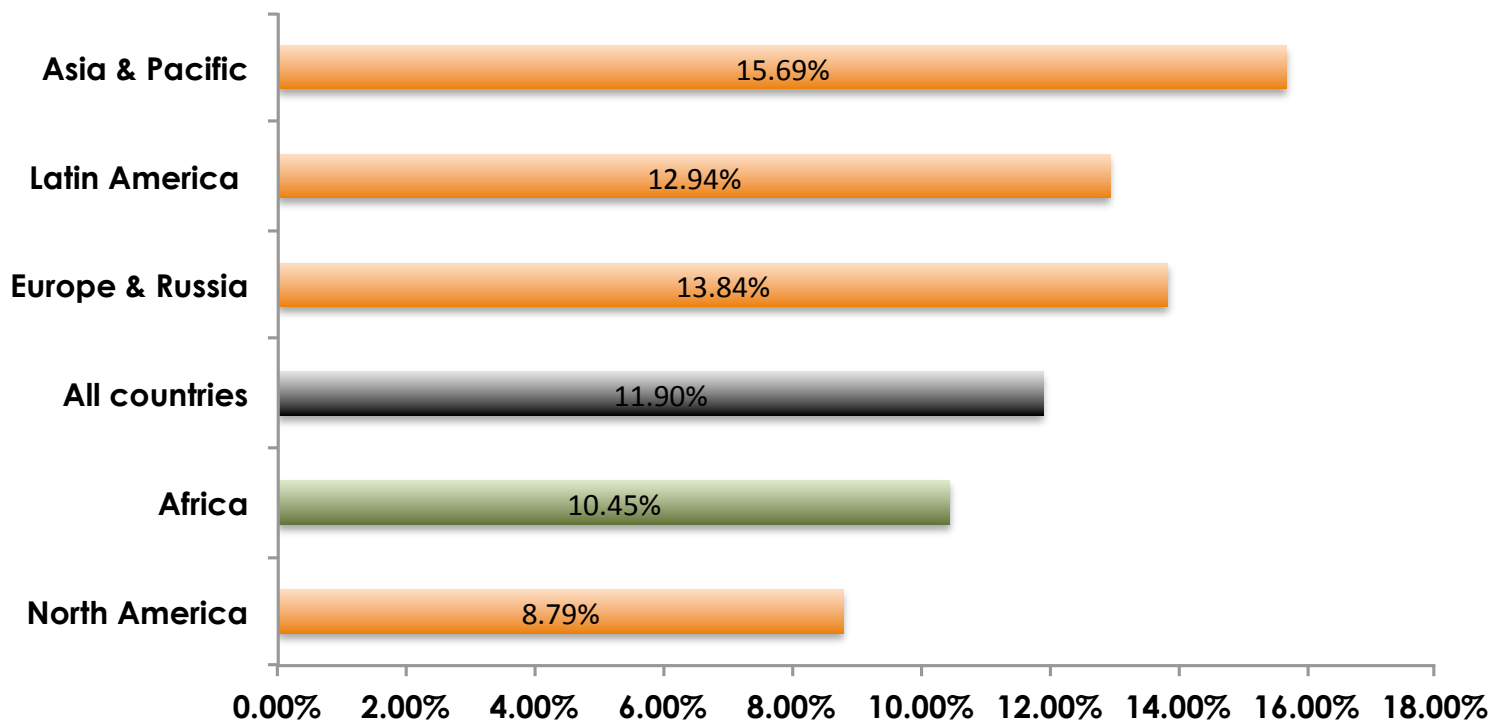
Internet facts about **Africa!!**

So what about...

- Infrastructure
- Resources
- Content

Internet facts about **Africa!!**

IPv6 Networks Readiness



Internet facts about **Africa!!**

Fact

- There are 33 African countries that have at least one IPv6 allocation.

Fact

- In 2005 there were only 4 networks in Africa that had IPv6 prefixes and most of them were not visible to the Internet. Today we have more than 240 networks with IPv6 prefixes assigned!

Internet facts about **Africa!!**

Fact

- West and Central Africa represents one of the fastest-growing mobile communications market in sub-Saharan Africa over the past few years with more than 3 mobile operators in each country and massive infrastructure development.

Fact

- **Over 90%** of the internet traffic in Kenya is done via mobile operators, meaning 3G, Edge or GPRS.

Internet facts about **Africa!!**



Internet facts about **Africa!!**

Challenge or **Opportunity??**

Thank you

At the end of the
day it all comes
down to how **YOU**
perceive the facts.



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