



IPv6 in Africa

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The True Size of Africa

A small contribution in the fight against rampant Immappancy, by Kai Krause

Top 100 Countries

Area in square kilometers, Percentage of World Total Sources: Britannica, Wkipedia, Almanac 2010

SWITZERLAND

EASTERN EUROPE



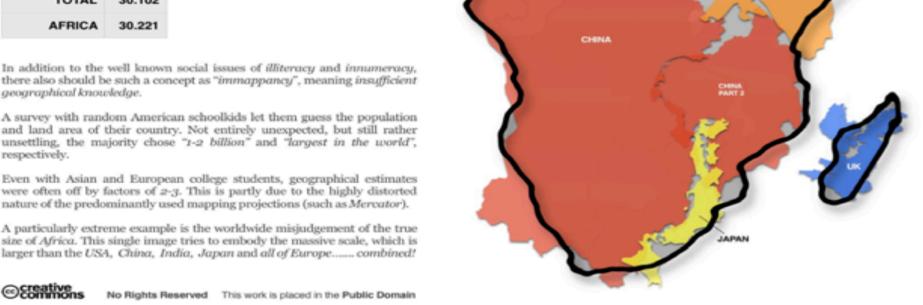
Graphic layout for visualization only (some countries are cut and rotated) NETHERLANDS But the conclusions are very accurate: refer to table below for exact data BELGIUM PORTUGAL FRANCE UNITED STATES

there also should be such a concept as "immappancy", meaning insufficient geographical knowledge.

and land area of their country. Not entirely unexpected, but still rather unsettling, the majority chose "1-2 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!



Setup in 2004 and headquartered

staff today

Mauritius. Employs 23

Mauritius

About us

AfriNIC

Internet Numbers Registry function

- Manage IPv4 & IPv6
- + Manage ASN (2 and 4 byte)
- Manage rDNS tree for IP prefixes in use by African Operators
- **Provide a Public WHOIS**
- Contribute to IP address **Management Global Policy** development

Other Services to the community

- Biannual Internet Protocol meeting: 13 so far in 10
- Internet Infrastructure reinforcement development in
- DNS Root Server copy
- Anycast service to support ccTLDs in Africa
- Support to academic Networks

Training: more than 100 training sessions in 45 countries around Africa since 2005.



AfriNIC/Africa and IPv6

- Since our setup in 2004 we have been engaged in a wide-scale program to raise awareness and build capacity in IPv6 (we have invested more than 1M USD in these activities over the past 5 years).
 - 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!
 - 10.5 % of publicly visible networks in Africa are IPv6 ready, compared to the global average of 8.7



Facts!!!

Fact

 The IANA central Pool exhausted in February 2011.

Fact

 Africa has the fastest Internet users growth in the world.

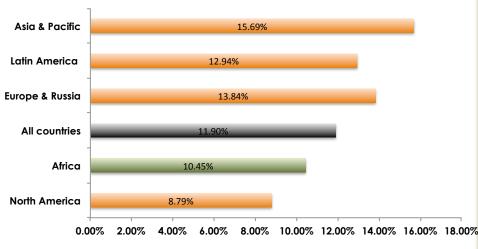
Fact

- Huge increase in IPv4 allocations in the AfriNIC region.
- In 2011 almost double the amount allocated in 2010.

Some data about IPv6 in Africa

IPv6 Networks Readiness

We still have a lot to do to catch-up in terms of deployment of IPv6. Currently 4th regionally. With 33 counties that have at least 1 IPv6 allocation.

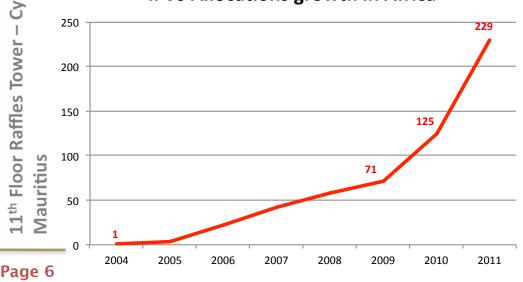


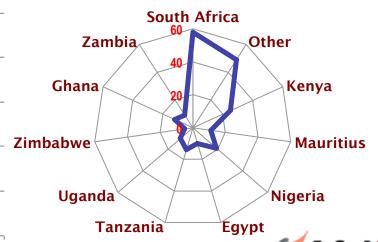
IPv6 Allocations growth in Africa

Cybercity

Tower

11th Floor Raffles





Other AfriNIC regional IPv6 Initiatives

- AfriNIC will launch the African IPv6 Task force (AF6TF), that will act as a common regional platform for IPv6 collaboration and best practice exchange.
- AfriNIC is launching a dedicated IPv6 portal on IPv6 in Africa.
- Mailing lists, published documentation, community support, etc...



Thank you

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http://meeting.afrinic.net/afrinic-15/

