

# World Internet Data Explorer (WIDER)

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**VANILLA**  
superior.internet.simple



## **Problem statement**

- Data-driven decision making
- Different views (performance, security, economic)
- Internet measurements visualization
- One-stop-shop for Internet Data (for Africa)
- **Network Information Centre**



## **Sample Use case (CDN)**

- Latency to major cities
- ISP market share / Internet penetration
- Peering fabric
- IXP traffic?

# https://wider.isoc.org.za

WIDER About

Where to?

Find a place in Earth...

or

or

Search input: Sout|

- South America *continent*
- French Southern Territories *country*
- South Africa *country*
- South Georgia and the South Sandwich Islands *country*
- South Sudan *country*

Botswana



## What is it about?

**Data  
Repository**

**Open data  
platform**

**Data  
exploration**

**Data  
Visualization**

**Forum to  
Discuss**

**Make it yours  
(?)**



# Regional insights

## Africa

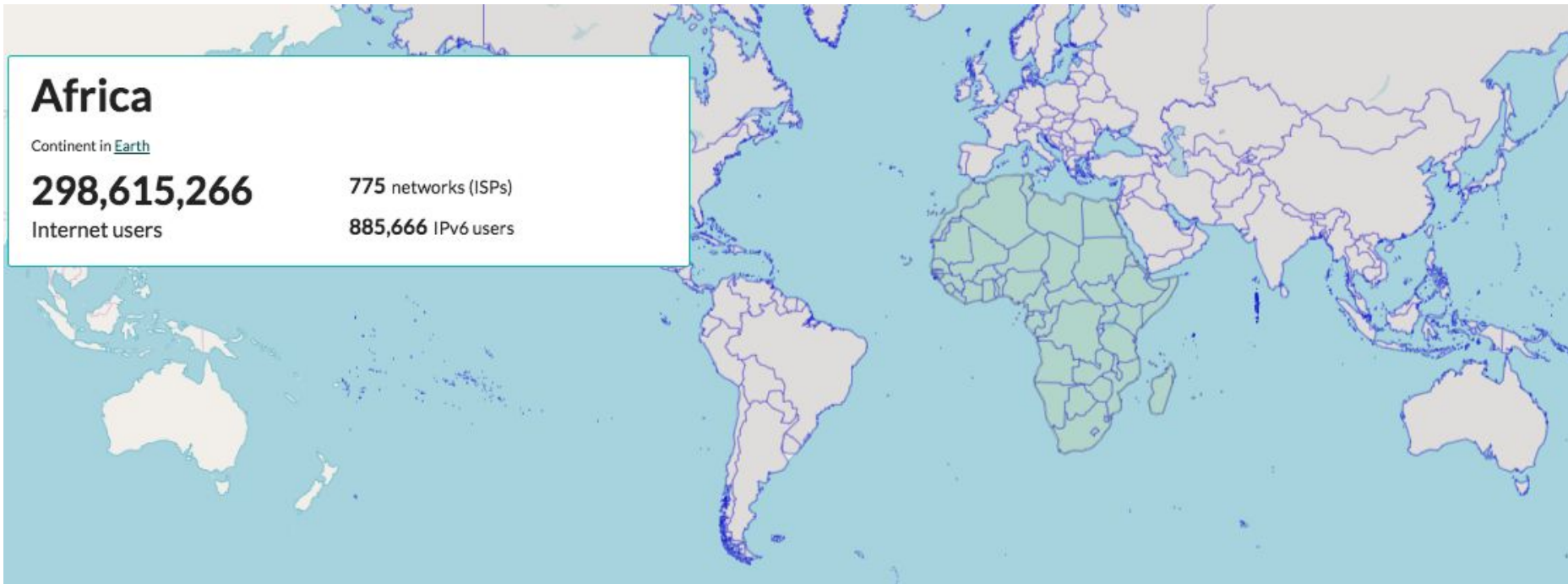
Continent in [Earth](#)

**298,615,266**

Internet users

775 networks (ISPs)

885,666 IPv6 users





# Country-level insights

## South Africa

Country in [Africa](#), [Earth](#)

**29,759,982**

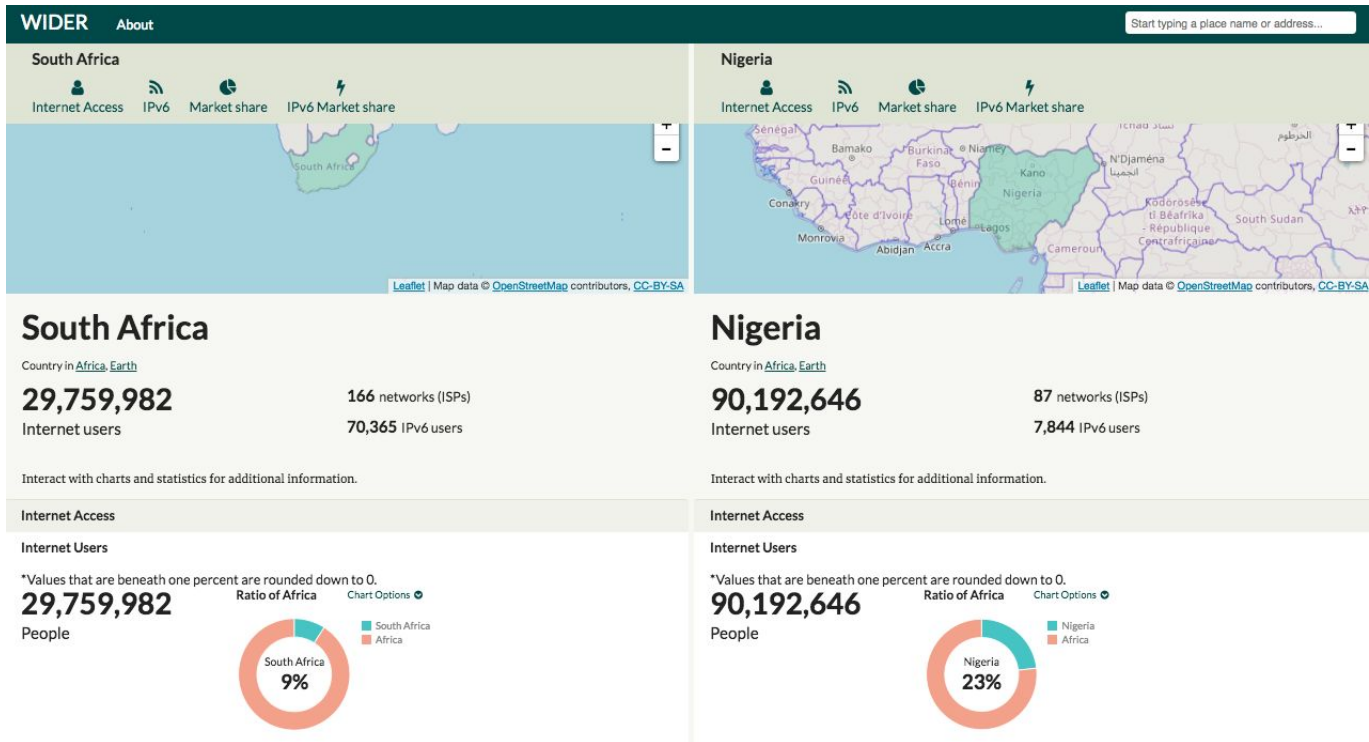
Internet users

**166** networks (ISPs)

**70,365** IPv6 users



# Compare countries





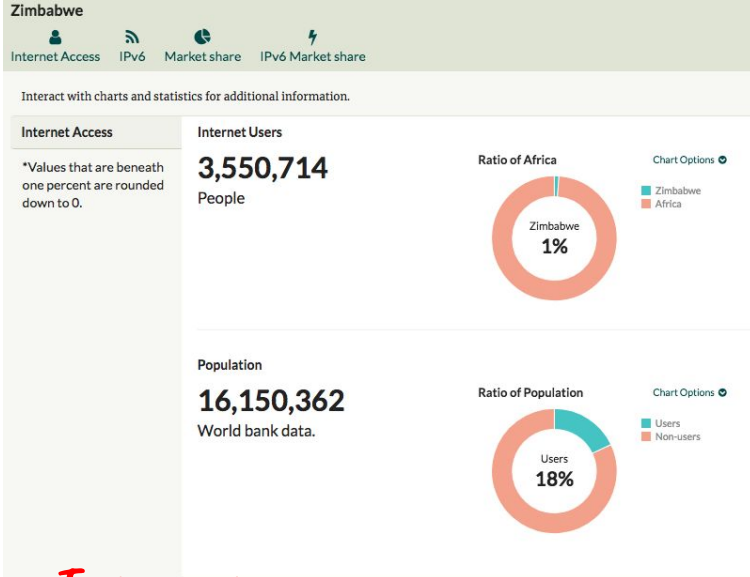


## Data Sources

- APNIC Ad-based measurements
  - IPv6
  - ISP Market Share
- CAIDA
- World Bank



# Zimbabwe



*Internet Access*

## IPv6

APNIC data

448,290

Active IPv6 users

*IPv6 penetration*

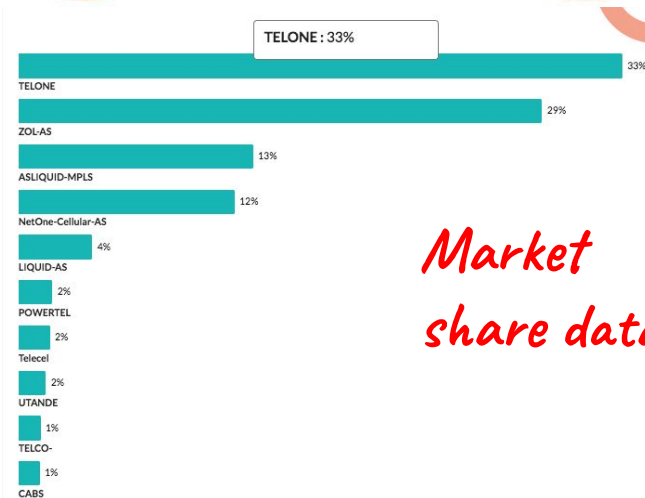
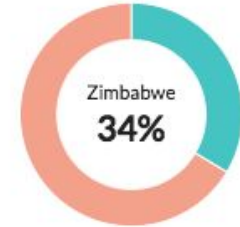
### Ratio of IPv6

Chart Options



### Ratio of IPv6 in Africa

Chart Options



*Market share data*



# Embed, explore, compare,...

## Embed code for this chart

Close

Copy the code below, then paste into your own CMS or HTML. Embedded charts are responsive to your page width, and have been tested in Firefox, Safari, Chrome, and IE8 and above.

```
<iframe src="https://wider.isoc.org.za/static/js/embed.chart.make.js" data-bbox="57 433 466 560"></iframe>
```

Align this embedded chart in text: **Normal** Left Right

## Active IPv6 users.

### Table explorer

[Change table](#)

Add data for more places below; visualize or download this data with controls at right.

### Selected geographies

South Africa [Remove](#)

Africa [Remove](#)

Earth [Remove](#)

### Add a geography

### Table FT\_MARKETSHARE\_USERS

Stats from stats.labs.apnic.net

Table universe: Marketshare

### Column

101NETLINK - 101Netlink ...

AS21541

111, Rue de Croix ...

AS8362

123NET - 123.Net, Inc. ...

AS12129

168-244 - Lowes Companies, Inc. ...

AS21789



# The product

## About Wazimap

Wazimap, from the Xhosa word *uwazi* for knowledge, is a joint project by [Media Monitoring Africa](#) and [OpenUp](#) that provides easy access to [South African census](#) and [elections](#) data.

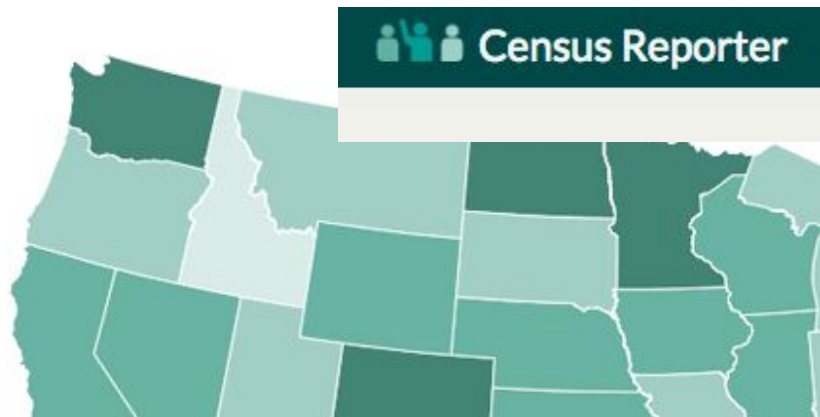
Read more about [who we are and why we built Wazimap](#).

### Shoulders of Giants

Wazimap is based on the amazing [Census Reporter](#) and is completely open source. You can [build a Wazimap for your own country](#).



OpenUp



[wazimap.co.za](http://wazimap.co.za)



## Underlying technology

- Python Django
- PostgreSQL
- Tilelayer.js (map), charts.js (charts)

<https://github.com/AFRINIC-Labs/WIDER>



## Topics: you name it!

**Internet Access  
and usage**

**IPv6  
penetration**

**DNS data**

**Peering and  
interconnection**

**Internet  
freedom**

**Make it yours  
(?)**



## What next?

- Understand your interest
- Identify new and accurate data sources (WORLD)
- Integrate bespoke measurements datasets
- Build a “WIDER” community
- Make the project self-sustainable



## **Feedback**

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