



12th WORLD
TELECOMMUNICATION

ICT

INDICATORS SYMPOSIUM
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2014

Georgian National Communications Commission's

Online Data Collection and Dissemination System

for Telecommunication Indicators

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www.gncc.ge

Outline

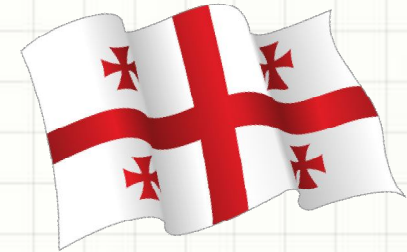
- **General Overview**
- **Online Data Collection System**
- **Online Data Dissemination System – GNCC Analytical Portal**
- **Online Terrestrial Interactive Digital Map**

About Georgian National Communications Commission (GNCC)

- **Georgian National Communications Commission (GNCC) is independent statutory body established in 2000 and responsible for regulation of electronic communications and broadcasting sectors of Georgia**
- **The Commission is a collegial body consisting of 5 members which are elected for 6 years term. Commissioners elect chairman for 3 years term**
- **There are up to 300 telecom undertakings which are under regulation of GNCC (276 as of 2013)**
- **The source of financing of GNCC is regulation fee collected from telecom and broadcasting undertakings**
- **There 130 employees in the apparatus of GNCC**



About Georgia



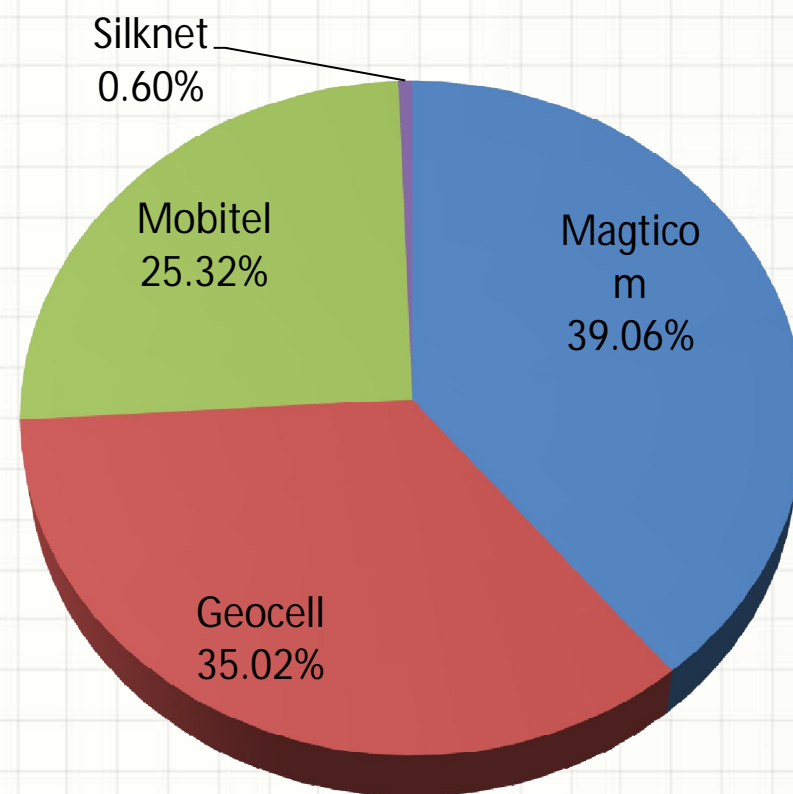
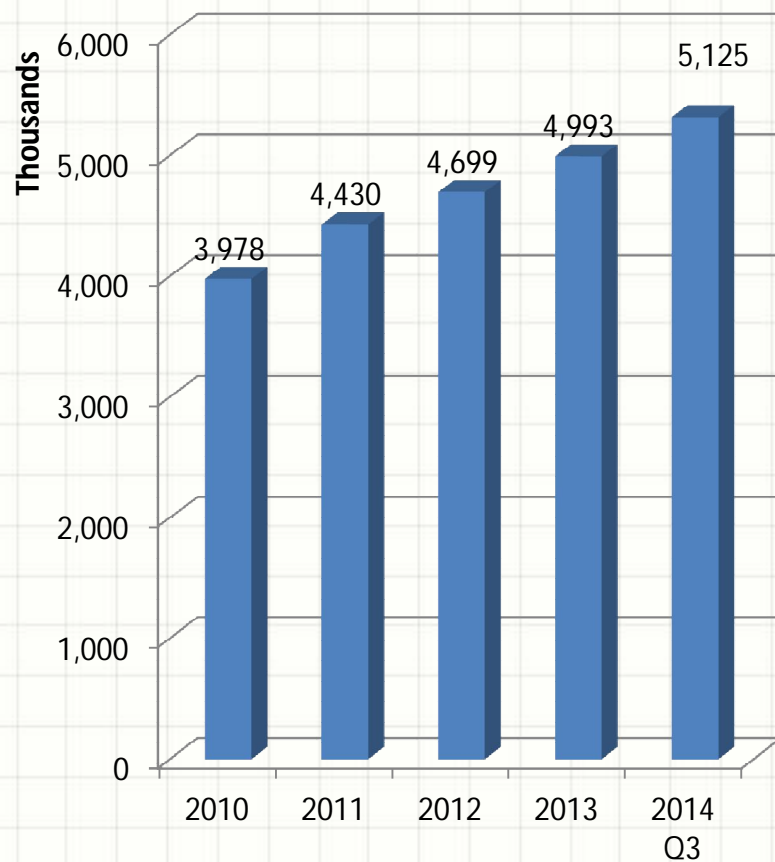
| | |
|---------------------------|------------------------|
| Area: | 69,700 km ² |
| Population: | 4.5 mln |
| GDP per Capita (PPP): | 6,100 USD |
| GDP per Capita (nominal): | 3,596 USD |



Mobile Market

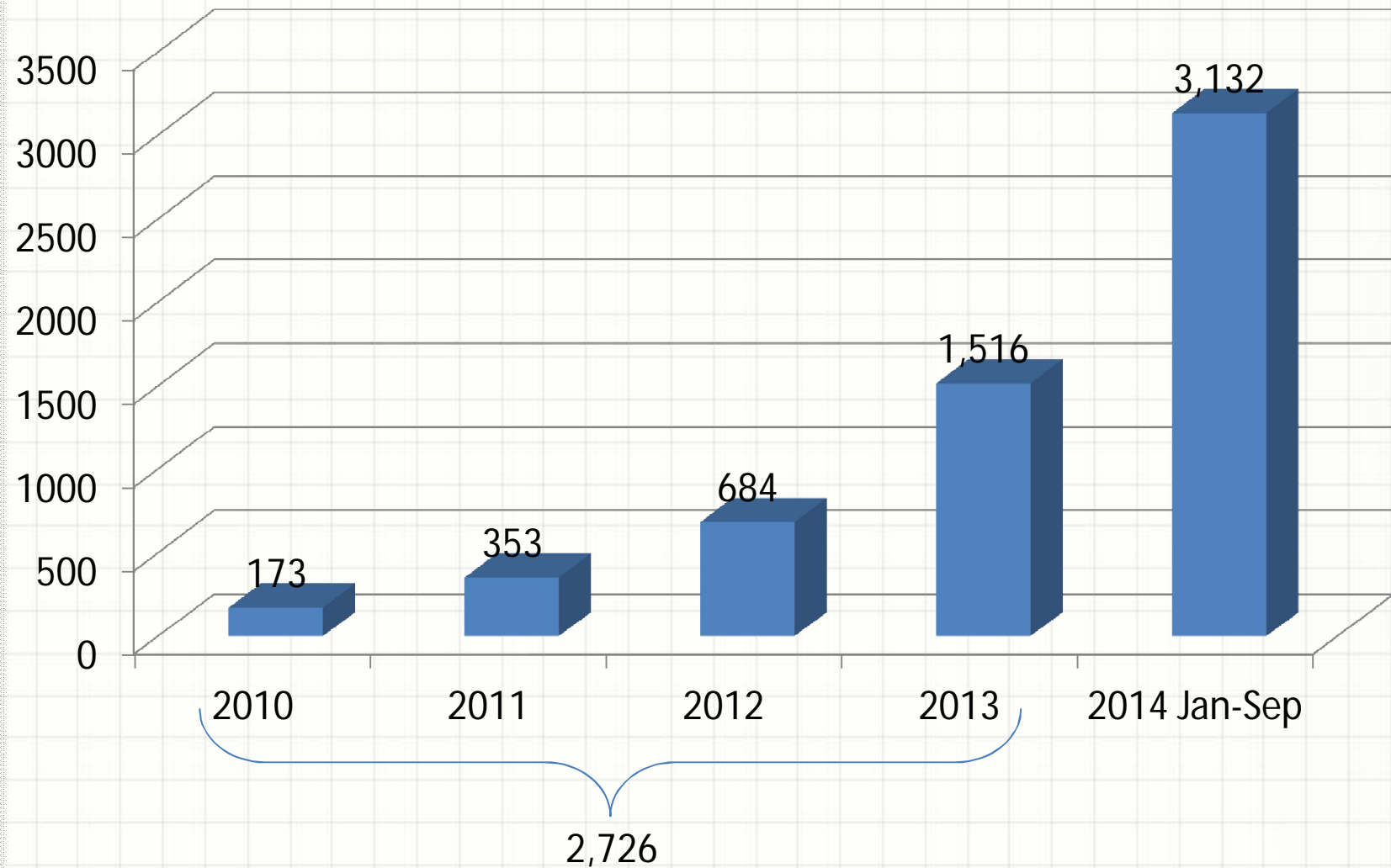
Subscribers

Penetration – 122%



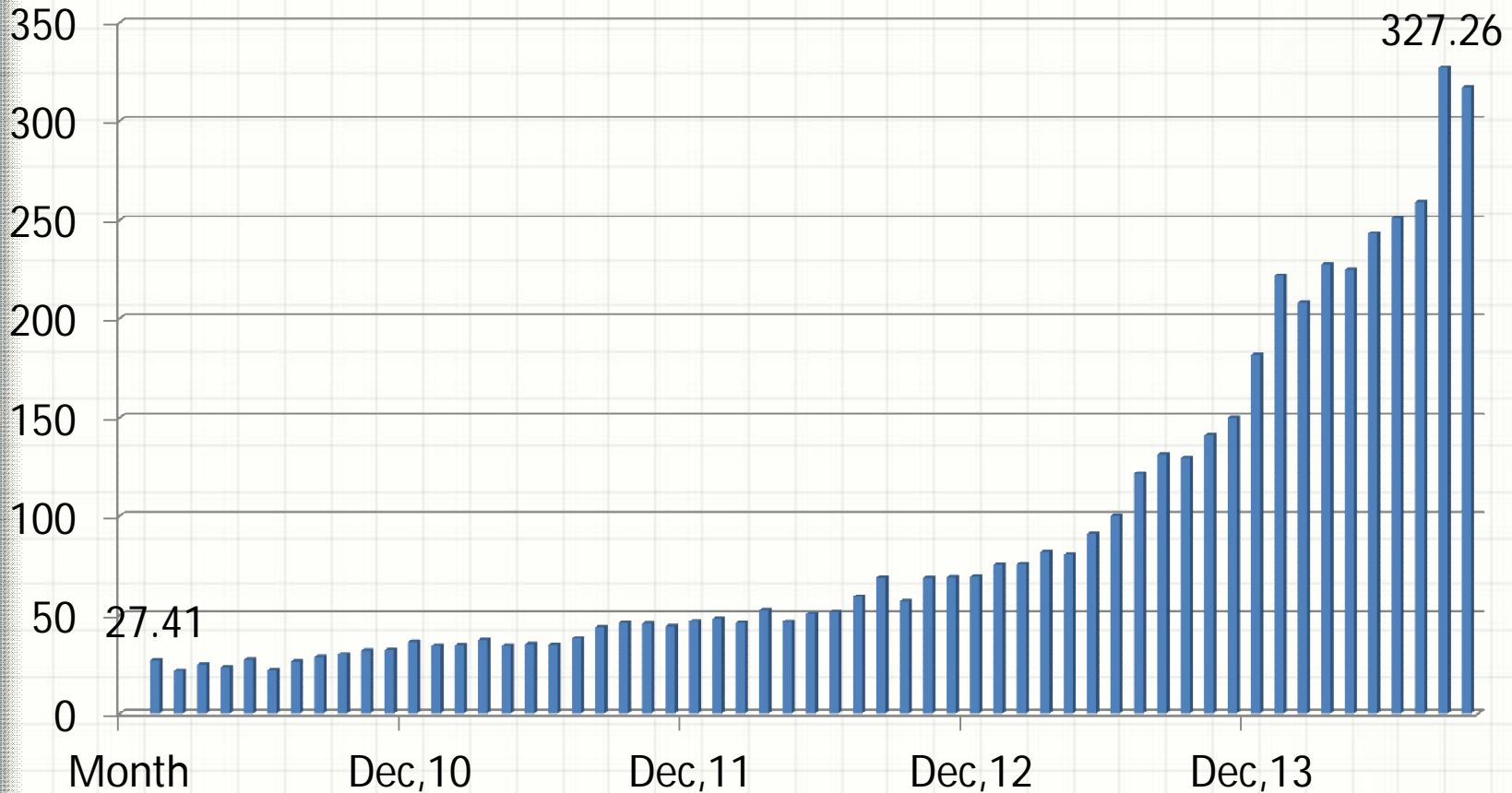
Mobile Market Data Traffic

Terabytes



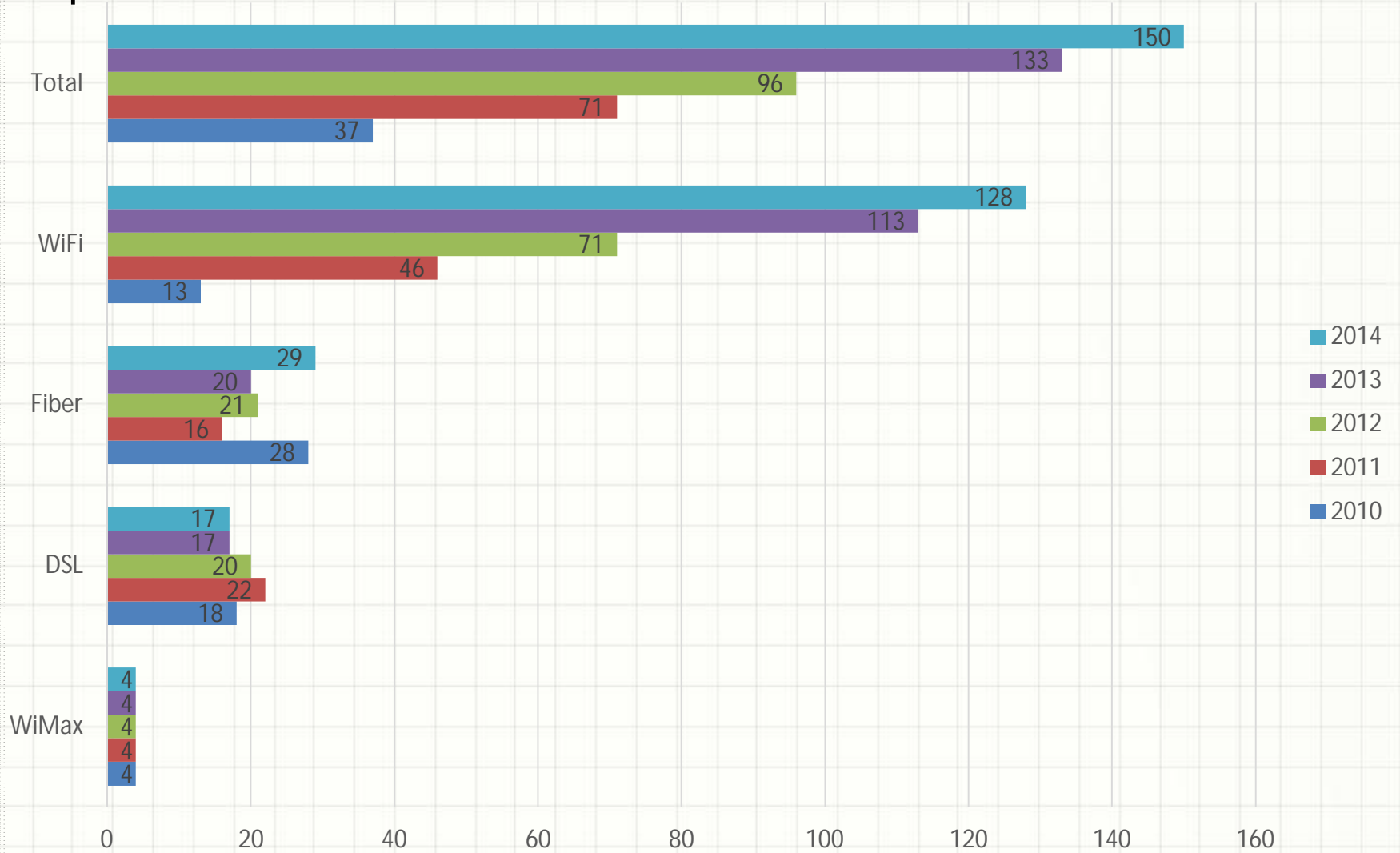
Mobile Market Data Traffic Average Usage per User per Month

Megabytes



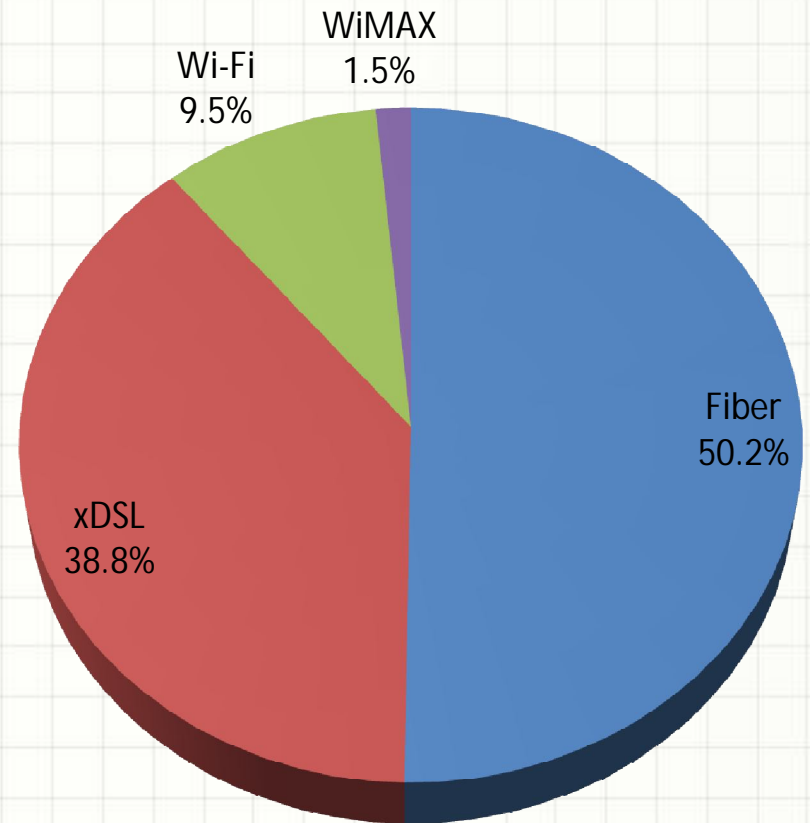
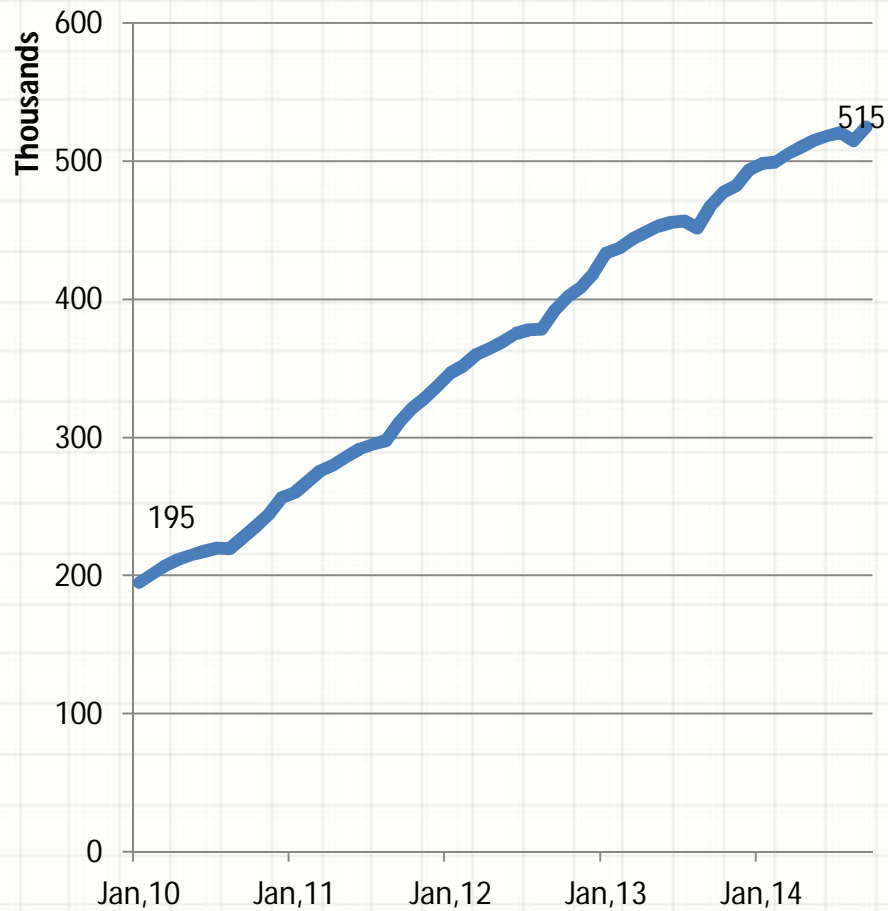
Fixed Broadband

Operators



Fixed Broadband

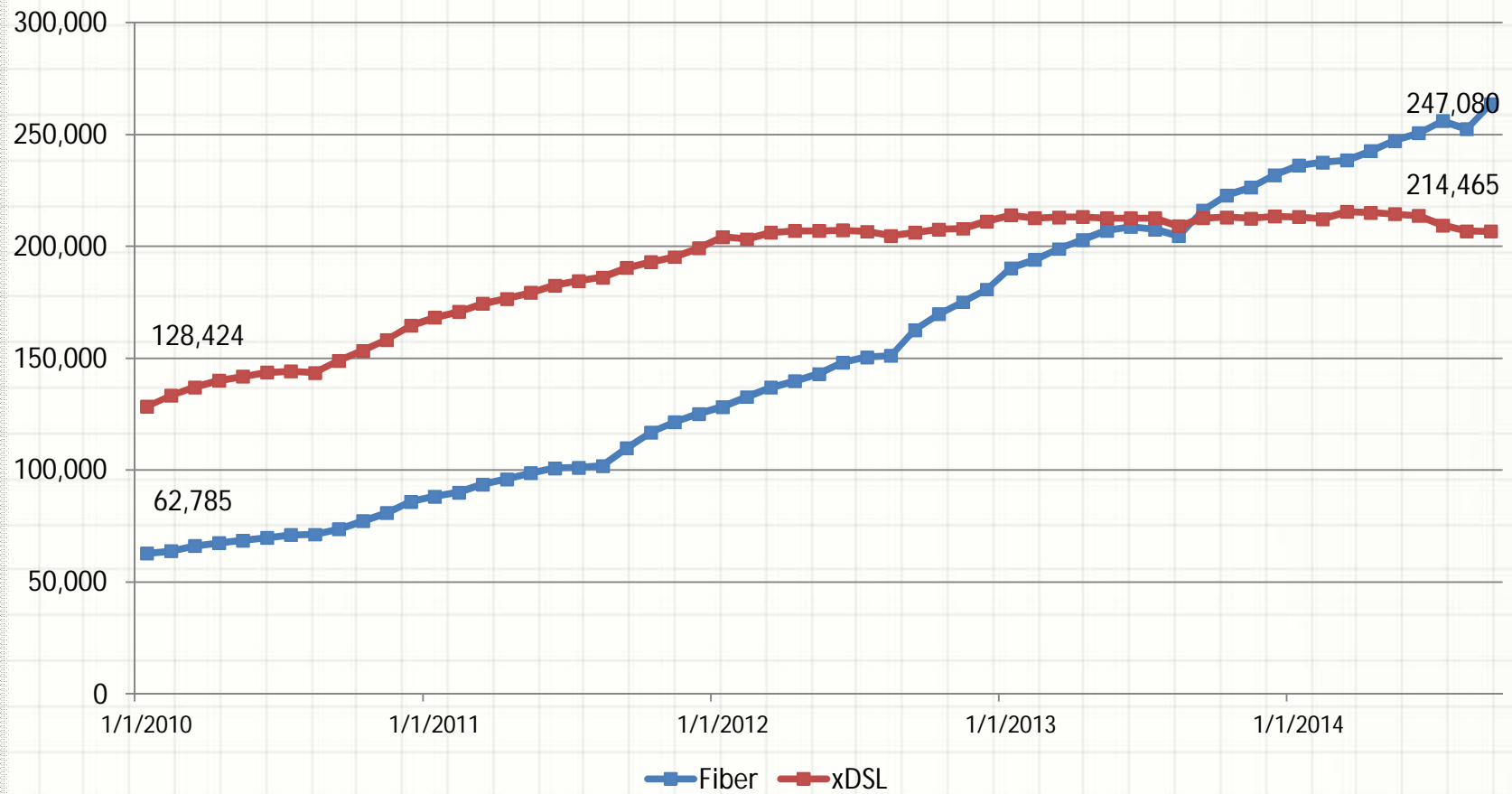
Subscribers (HSPA..)



Fixed Broadband

Subscribers

Fiber vs. xDSL



Broadband Prices in Georgia

According to

Measuring the Information Society Report 2013:

| Georgia's Position | Fixed Broadband | Mobile-Boadband (prepaid) | |
|---------------------|-------------------------------|-------------------------------|-------------------------------|
| | | <u>Handset-based</u> | <u>Computer-based</u> |
| Nominal Price (USD) | 21 st cheapest | 14 st cheapest | 15 th cheapest |
| PPP\$ | 33 rd cheapest | 13 rd cheapest | 20 th cheapest |
| | Out of 169 Countries Reported | Out of 126 Countries Reported | Out of 124 Countries Reported |

GNCC's Online Data Collection System

- **In March 2011 GNCC aligned definitions of telecom indicators to ITU standards according to the “Handbook for the Collection of Administrative Data on Telecommunications/ICT” and approved new statistical forms**
- **From June 2011 all telecom undertakings have obligation to submit statistical data online (mostly on monthly basis)**

GNCC's Online Data Collection System

- **Data should be submitted no later than 25th after reporting period (month, quarter, year)**
- **Currently we have 46 statistical forms for telecom indicators**
- **Undertakings were required to submit 2010-2011 historic data also**



GNCC's Online Data Collection System

We developed Statistical Database To:

- **Provide ITU and other International organizations with reliable data aligned to international standards**
- **Build solid information system to support GNCC day to day activity**
- **Provide market participants and investors with reliable data about telecom and broadcasting markets of Georgia**



GNCC's Online Data Dissemination System – GNCC's Analytical Portal

We developed Analytical Portal to:

- **Provide community, market participants and investors with reliable and frequently updated data about telecom and broadcasting markets of Georgia**
- **To promote competition**
- **To avoid waste of resources of telecom operators and broadcasters to get statistics**

GNCC's Online Terrestrial Interactive Digital Map

We develop Online Terrestrial Interactive Digital Map :

- **To have reliable and dynamic picture of telecom infrastructure development of Georgia**
- **To find out all kind infrastructure (Gas, Electricity, Water supply, ..) which could be effectively used for broadband**
- **To find out and analyze white and gray areas**
- **In order to effectively plan and support coverage of whole country with broadband**

Data Quality Insurance Measures

- Direct
 - Data comparison to undertakings official reports
 - Requiring additional official documentation
- Indirect
 - Analysis of time series
 - Analysis of different derivatives (average price of unit, ARPU, Average Usage) of undertaking to industry averages

Measures if Data is not Reported

or proved to be wrong

- Electronic notification (via online data collection system)
- Verbal notification (on phone)
- Official (hardcopy) letter notifying that GNCC is going to use sanction
- Sanction
 - 1st Case within last 12 months: Notifying undertaking in writing
 - 2nd Case: 0.5 % of undertaking's last 12 months revenue (in range of 3,000 – 30,000 GEL)
 - 3rd Case: 1 % of undertaking's last 12 months revenue (in range of 9,000 – 90,000 GEL)
 - 4th and next Case: 3 % of undertaking's last 12 months revenue (in range of 27,000 – 270,000 GEL)

About Project

- Team in charge of
 - System Development
 - System Maintenance
 - Data Quality Insurance
 - ReportingHead + 3 professionals
- Budget of the Project – 0
- Outsourcing - None