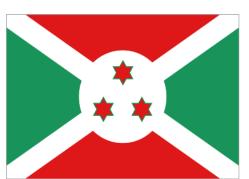
# **BurundiX-BurundiX-BurundiX**

#### Burundi Internet Exchange Point BurundiX A.S.B.L.

The <sup>4th</sup> African Peering and Interconnection Forum , AfPIF-2013







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Sheraton Casablanca Hotel & Towers, 04 September 2013

# **PRESENTATION OUTLINES**

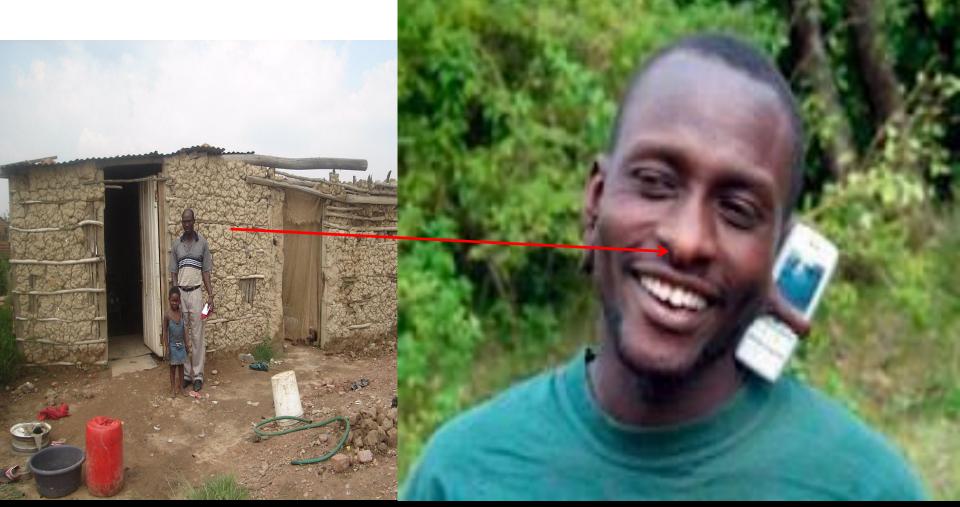
- 1. The Context
- 2. IXP in Poverty reduction
- 3. The Burundian Information Society
- 4. Local Internet Traffic Exchanged outside of Burundi, the current situation
- 5. Local Internet Traffic Exchanged within Burundi, projected situation
- 6. BurundiX A.S.B.L.
- 7. Conclusion

# **1. The Context**

- The IXP project is about to be implemented thanks to the partnership between the Government of Burundi, African Union and ISOC.
- An Internet Exchange Point (IXP) is a physical infrastructure that allows local networks to exchange information effectively to a common point in a country without exchange local Internet traffic abroad.
- The main benefits are:
  - Cost Optimization and cost savings of international capacity
  - Latency Incidence Optimization
  - Bandwidth Optimization
  - Security of the Internet traffic
  - Establishment of Effective Burundian Information Society
  - Cost reduction in e-Government Information Exchange via local IXP & FO
- IXP on National Backbone
- Brief, poverty reduction for Burundi

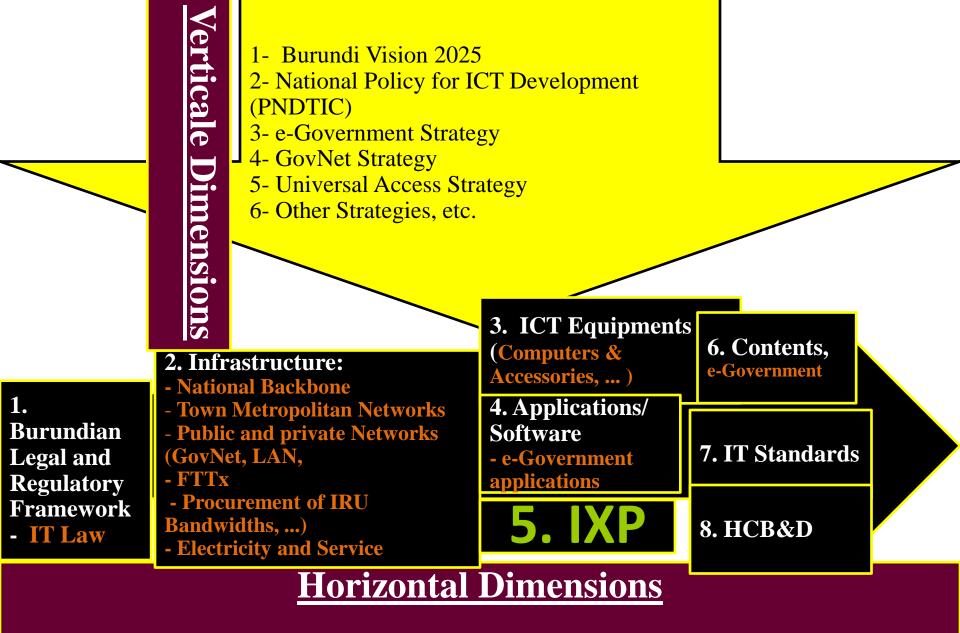
# 2. The IXP in Poverty Reduction

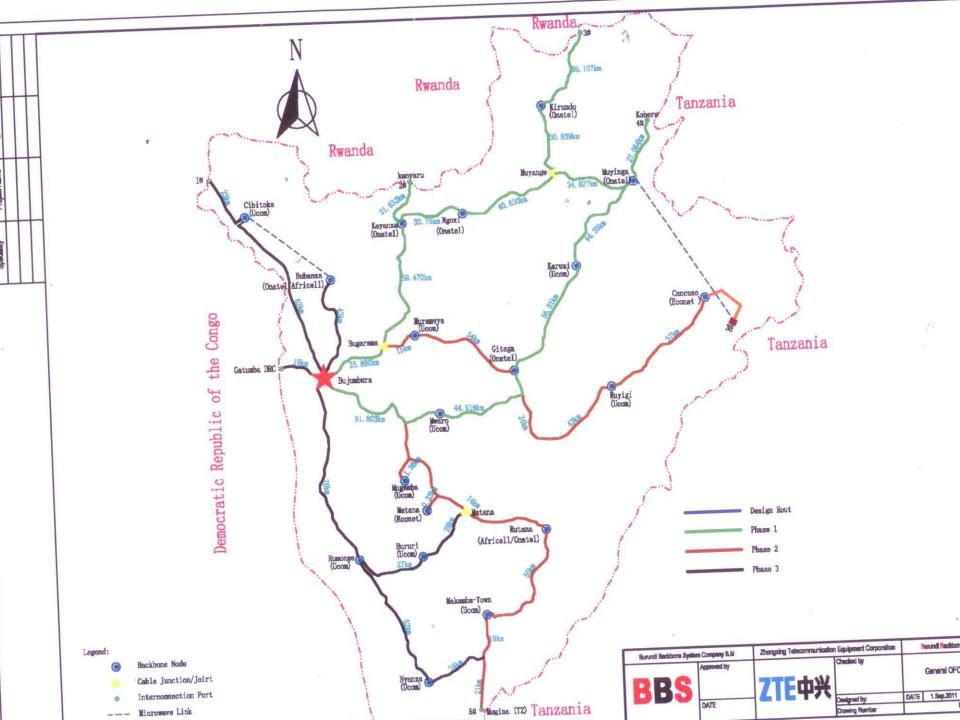
For this person, the problem is to connect to CELL for INTERNET USE & services
Think about Local IXP as a prior and eminent solution



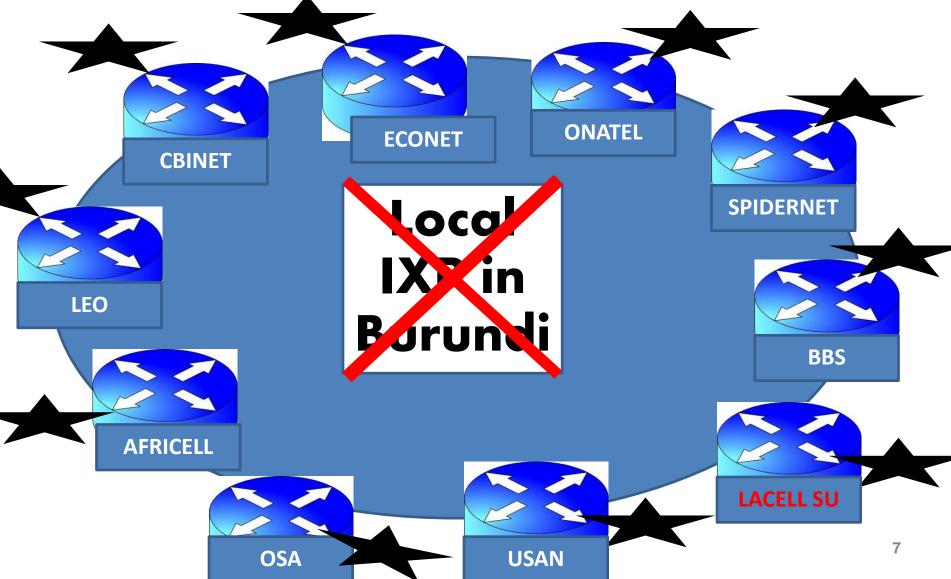
Thinking about the access cost to ICT, Universal Access, Telecoms, Internet, ...!

#### **3. The Burundian Information Society**

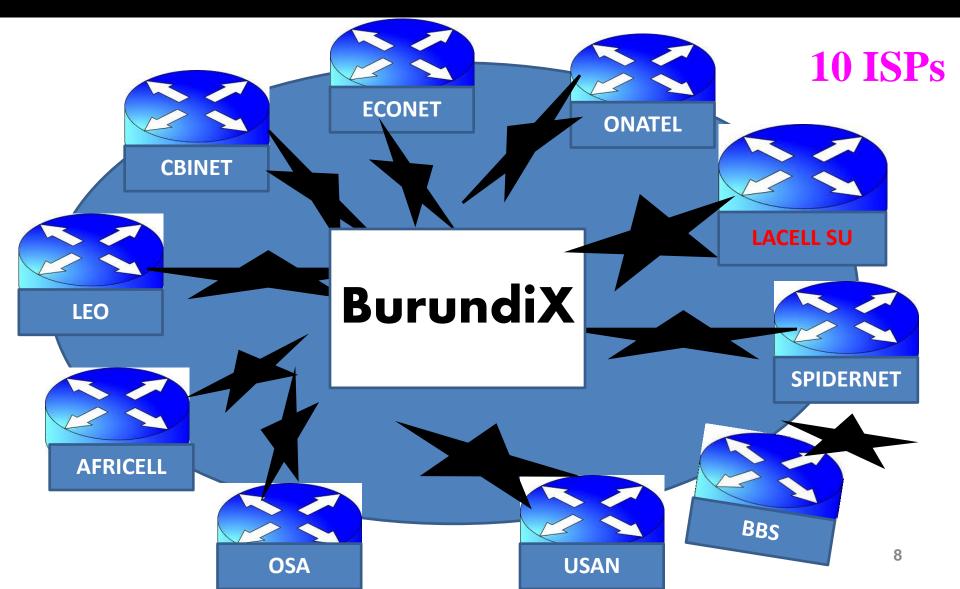




# **4. Local Internet Traffic Exchanged outside of Burundi, current situation**



#### 5. Local Internet Traffic Exchanged within Burundi(Project Burundi, ISOC, AU)



# **Potential Partners of BurundiX**

- Service Providers:
  - ISPs
  - Emails
  - e-Government Contents
  - Online Medias
  - Banks' Traffic
  - Web hosting
- Etc.

#### **Bringing Down Terrestrial Capacity Costs**





- -Burundi National Backbone length: 1250 km -All local ISPs interconnected to local IXP -National Datacenter for e-Government Applications -Local Cloud Computing
- -Usage of ccTLD <u>bi</u> for all local public and private institutions
- -Local Caches for Global Companies (Google, Youtube, Content Delivery Networks, ... )

## 6. BurundiX A.S.B.L.

- BurundiX will be:
  - an Non-profit Association
  - based at National University of Burundi
  - having an Executive Committee [6]
    - President & Deputy-president [2],
    - Secretary & Deputy-secretary [2], and
    - Treasurer and Deputy-treasurer [2]
- The estimated current Internet Capacity for all Burundian Mobile Operators and ISPs: between 3 & 4 STM-1s, so between 450 Mbps & 600 Mbps but, this will change soon (BBS Phase 1, 2 & 3)
- Open Peering Policy
- Approval of BurundiX as a recognized Non-profit Association in the Country, before end of October 2013

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# Current Potential Members of BurundiX

- Individuals:
  - 15 individuals working in ISPs and other institutions
- Corporation:
  - All 10 ISPs (9 ISP Retailers + BBS as a Wholesaler)
  - Burundi Central Bank (BRB)
  - National University of Burundi
  - REGIDESO (Water and Electricity)
  - Ministry of Higher Learning and Scientific Research
  - ARCT: National ICT Regulatory Agency

# **BurundiX Missions**

- Setting up Local IXP in Burundi and other related infrastructures for the benefits of all actors
- Hosting IXP Services
- Sharing knowledge and Experience with local, regional and international organizations in order to build partnerships
- Promoting Research and Development

#### **BurundiX Policies**

- The following Policies will be applicable to all clients:
  - Interconnection Policy (To be defined soon)
  - Quality of Services Policy (To be defined soon)
  - Data Collection Policy (To be defined soon)
  - Data Access Policy (To be defined soon)

# **BurundiX A.S.B.L. Challenges**

- Budget for one permanent employee of BurundiX at the beginning (OPEX & CAPEX)
- Lack of financial support from the Government (ICT Regulatory Agency, ARCT)
- Are ISPs really ready to connect and pay for it?
- Developing news services for income generation
- Joining other IXP Communities

### 7. CONCLUSION

- By working with our corporate and government partners, we will be able to reduce the cost by bringing Internet access to affordable housing properties and low-income residents in Burundi will benefits the advantages of BurundiX.
- Invitation to everyone to support this initiative and to work with us for better implementation.
- BurundiX role is to bringing together Public and Private Sectors by Developing National and Regional Interconnection (Partnerships) for the benefits of IXP.
- Promoting ICT as a Driver of Socio-economic Development by increasing accessibility and the quality of Internet Services for local & regional communities.

# ThanksMerci

#### <u>Contacts</u>

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