NATIONAL INFORMATION TECHNOLOGY DEVELOPMENT AGENCY (NITDA)

FEDERAL MINISTRY OF COMMUNICATION TECHNOLOGY

Presentation by
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Introduction

- Information Technology has become **a strong catalytic force for sustainable economic growth across nations for creating jobs and wealth** as well as **inclusive development that will improve the socio-economic status of nations**.

- Like India, China and few other nations that have leveraged ICT in a most strategic way to create jobs and wealth and drive inclusive development. *Nigeria is beginning to witness tremendous growth in this sector. Through various ICT initiatives and programs, enabling ICT policies (such as* **National ICT Policy, National Software Policy** *etc), regulatory standards and guidelines (i.e.* **Local Content Guidelines** *etc) the ICT sector is significantly contributing to the nation's economic growth.*
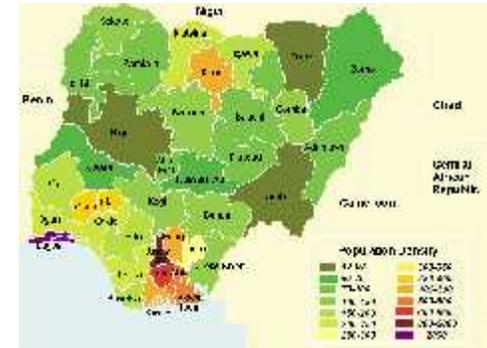
| ICT Contribution to GDP	
Contribution of ICT to GDP in 2011	~5.46%
Contribution of ICT to GDP in 2014	**11.6%**
Estimated size of job market	~4.8m

From an ICT contribution of 5.46% to GDP in 2011 to 18.53% in Q4 of 2014 (according to the National Bureau of Statistics), **Nigeria is prime to be the ICT destination of Africa in few years.**

Source: National Bureau of Statistics (NBS)

NITDA's Primary Role, Vision & Mission: Addressing Inclusive Development

- NITDA was established by NITDA Act 2007 with the primary role to **oversee the overall development of the ICT industry in Nigeria in order to ensure a steady growth in the sector**.

- Following its vision of **"being the prime catalyst for transforming Nigeria into a knowledge-based economy"**, NITDA continues to **"develop and regulate IT for a sustainable national development",** as well as increase the integration of ICTs across all sectors ***and under-served communities*** in a manner that supports the **diversification of the economy while achieving growth, job and wealth creation.**
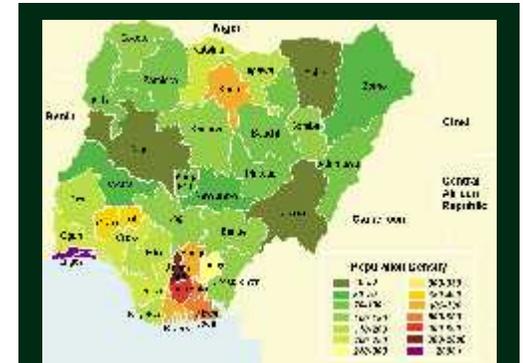
# IT as a veritable Tool for Inclusive Development

- Studies on socio-economic development have shown that ICT not only has an impact on development but is actually a necessary and required ingredient for development.

- ICT enhances productivity, growth and business performance and it is clear that no country today can hope to be globally competitive without leveraging the power of ICT.

- The growth in the ICT sector has led to great developments across the country:
  - 146 million mobile subscribers and 88 million internet subscriptions, providing ubiquitous access to internet at rural and under-served areas.
  - Deployment of ICT access venues at under-served areas to provide access to the internet for socio-economic development.
  - MOU signed by some states with our parent ministry on Smart city / broadband development program.
  - Deployment of ICT / applications, providing information and content that transcend all communities.
  - Automation of government services online to deliver services to citizens and businesses

# NITDA Interventions in promoting Inclusive Development

| Infrastructure	Human Capital	Institutional	Policy Documents
▪ **Rural Information Technology Centres (RITCs)** ▪ **Knowledge Access Venue (KAV)** ▪ **Community Access Centre (CAC)** ▪ **Virtual Library** ▪ **Campus Wide Area Network In Tertiary Institution (Over 18 Deployed)**	▪ IT Awareness ▪ Knowledge Access Venue (KAV) ▪ Virtual Library ▪ Training Scheme (over 10,000 Graduates Trained) ▪ Scholarships (300 MSc. and 24 PhD) ▪ Youth Empowerment Scheme (YES) ▪ ICT Research and Development Grant (over 12 Beneficiaries)	▪ Creation of State IT Devt Agencies ▪ Establishment of Nigeria Internet Registration Association (NIRA) ▪ Establishment of National Office for Local Content (NOC) ▪ Establishment of Office for ICT Innovation and Entrepreneurship (OIIE) ▪ Establishment of IT Departments in all MDAs	▪ ICT4D ▪ National ICT Policy ▪ National Software Policy (NSP) ▪ Local Content Guidelines ▪ National e-Government Master Plan ▪ States ICT Policy/Strategic Plan ▪ Open Data Development Initiative
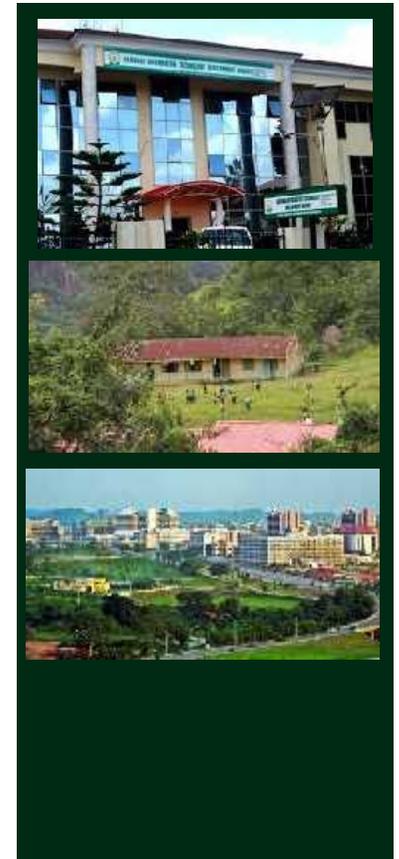
NITDA Interventions in promoting Inclusive Development

- Since inception, NITDA has embarked on a number of programs *to drive inclusive development across rural and under-served communities by expanding the reach of IT to these communities*.

- Such programs have made positive impacts in the lives of Nigerians by:

  - **Increasing access to the knowledge, content and information through ICT tools**

  - **Creating jobs and wealth amongst the youths**

  - **Bridging the digital divide between urban and rural areas**

  - **Empowering Nigerian youths**

  - **Expanding and deepening the frontier of IT knowledge within Nigeria**
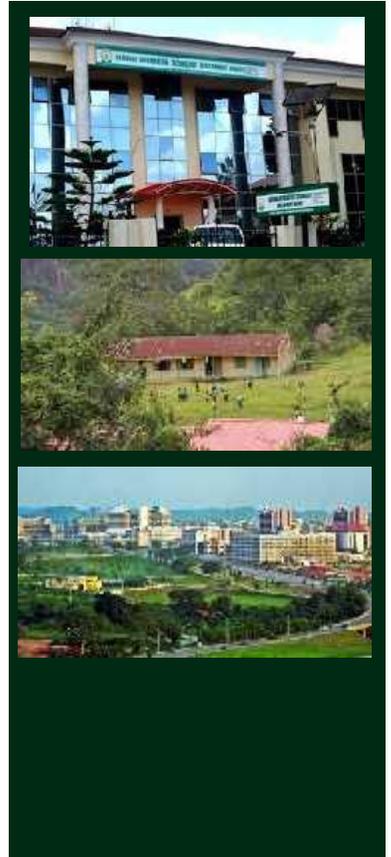
Highlights of NITDA Programs

- **Public Access Venues: Establishment of Rural Information Technology Centres (RITCs) in Nigerian Communities**
    - **Description:** Infrastructure project aimed at providing Information Technology tools (such as internet facility, PCs, printers, LAN and power) at the rural and under-served communities in order to increase IT penetration and usage, and acquisition of knowledge.
    - **Objectives:** To bridge the digital divide between urban and rural areas. Increase the penetration, adoption and usage of ICT infrastructure in rural and underserved areas
    - **Location:** Nigerian communities and schools
    - **Outcomes:** Deployed RITCs at over 300 communities with potential to impact the lives of over 2 million rural users
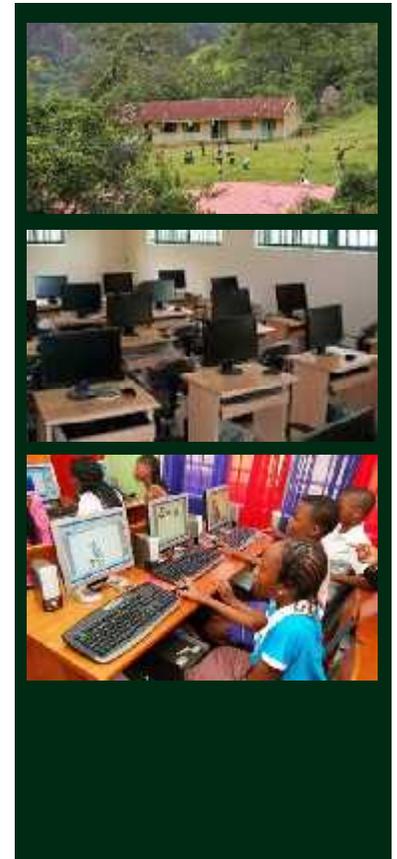
Through a yet-to-be-announced initiative of NITDA, we have developed a nationwide program that will infuse sustainability model into the existing and future RITCs across the country

Highlights of NITDA Programs

- **Knowledge Access Venues (KAVs)/ Virtual Libraries in Tertiary Institutions**
  - **Description:** Infrastructure project aimed at deploying new KAVs, as well as upgrading existing virtual libraries. Scope covers digitizing all existing resources
  - **Objectives:** aimed at providing a variety of information resources for students, lecturers and researchers. It also provides remote access to all registered NITDA virtual Library users.
  - **Location:** Tertiary Institutions in Nigeria
  - **Outcomes:** About 300 KAVs and Nine Virtual Libraries have been established in different institutions with over 200,000 students benefitting

Highlights of NITDA Programs

- **ICT Innovation and Entrepreneurship Program: Establishment of Information Technology Development Entrepreneurship Accelerator (IDEA) Centres**

    - **Description:** A flagship IT incubation and accelerator program established by NITDA in conjunction with our supervising Ministry of Communication Technology in April 2013. iDEA essentially provides support to entrepreneurs to build software skills, solutions and businesses in the way of physical workspace, shared facilities, training, mentoring and access to grants or seed capital.

    - **Objectives:** To catalyse ICT innovation and entrepreneurship within the country by providing an enabling environment that will assist Nigerian ICT entrepreneurs and start-ups to create successful businesses.

    - **Location:** Lagos & Calabar (more to come in other geo-political areas)

    - **Outcomes:** Emergence of over 15 new ICT startups with potential of creating over 15,000 direct and indirect jobs; 5 year revenue projections of over N200 billion.

- Incubated at iDEA Centre, Lagos
- Less than 5 years old
- Secured a turn-key deal with NIBSS to deploy its innovative financial authentication solution for all banks
- The revenue projection in two and a half year is **N4.5bn** with over **300 direct and indirect jobs created**

- Being incubated at iDEA Centre, Lagos
- With current valuation of **N60m and potential for 2,000 jobs and N18b in 5 to 7 years**

Other ICT startups within the iDEA hub being impacted through NITDA Innovation programs include:

SPACEPOINTE
We Bring It All Together

- Launched at DEMO Africa 2014 and sponsored by NITDA on capability devt. tour to DEMO US 2014.
- It is an offline / online market channel with virtual POS solution for retailers
- Currently created over **200 jobs with valuation of N500m**
- With projection of **N184bn revenue in 5 years with over 10,000 jobs created (both direct and indirect)**

Other promising ICT start-ups being incubated at iDEA Centre, Lagos

Prowork — The Smart Way to Collaborate

EFA — Electronic Financial Analyst — www.accessefa.com

iQube

Fitted

TOTAL AUTOMATION CONCEPTS LTD

PrepClass

VERGE

precurio

GigaLayer

Afrobus.com

Highlights of NITDA Programs

- **NITDA Scholarship Program**
  - **Description:** It is part of the Corporate Social Responsibilities of NITDA towards developing globally competitive Human Capital in core areas of IT. Through a selection process, NITDA offers scholarship to Nigerians pursuing Masters Degrees and PhDs.
  - **Objectives:** Empower students to achieve their academic goals. Sponsor development of Nigerians in special technology skills and valuable life skills that will be beneficial to individuals and the nation at large. Create the opportunity for knowledge infusion that are beneficial to national growth.
  - **Location:** Tertiary Institutions within and outside Nigeria.
  - **Outcomes:** 300 scholarships awarded for Masters programs and 30 scholarships for PhD programs.
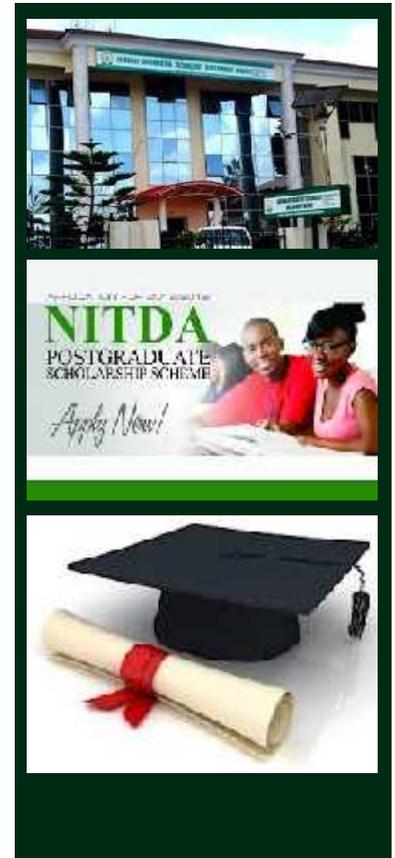
Highlights of NITDA Programs

- **ICT Policy for States**
  - **Description:** The project involves developing ICT policies that will drive various sectors in the State government as well as aid in sustainable development of states of the Federation. It involves setting up joint committees and hiring of experienced resources to work with the selected States of the Federation.
  - **Objectives:** Encourage State governments in Nigeria to position ICT as the main engine of growth and development in their States as well as achieving a unified ICT deployment amongst the States of the Federation.
  - **Location:** Oyo, Kogi, Kebbi, Niger, Sokoto, Osun, Ebonyi, Enugu and Yobe States (9 states)
  - **Outcomes:** A written ICT policy document on strategic development and deployment that will drive the socio-economic growth and development of States.

Highlights of NITDA Programs

- **SmartCity Innovation Hub**
  - **Description:** NITDA and the Federal Ministry of Communication Technology are partnering with industry stakeholders (Nigeria Computer Society (NCS), and the Association of Telecommunications Companies of Nigeria ATCON) to build a Free Trade Zone (FTZ) technology focused innovation hub and IT Park called SmartCity in Lagos. The IT park when fully operational will bring together technology giants and startups, government and society in ways that promote the culture of innovation and the competitiveness between allied businesses and knowledge-based institutions.
  - **Objectives:** To create a co-habitation of both local and global ICT ecosystem that will prime the local technology industry for global competitiveness, galvanizing it from crass consumerism towards innovation and world class manufacturing standards.
  - **Location:** Lekki Free Trade Zone, Lagos.
  - **Impact:** Drive FDI to the country. Promote local content. Potential to create about 50,000 direct employments in its first five years.

Highlights of NITDA Programs

- **Abuja Technology Village and IT Park**
  - **Description:** NITDA has partnered with Abuja Technology Village Free Zone Company (ATV) to develop Abuja Computer Village in collaboration with Abuja Computer Village Technicians' and Dealers' Association (ACVTDA). Through allocation of 6,095 square meter land at Abuja Technology Village, NITDA and ACVTDA will build a six storey facility with a total floor space of 29,628 square metre to accommodate the business activities of the computer technicians and dealers.
  - **Objectives:** To drive local content production of computer parts.
  - **Location:** Abuja Technology Village, Abuja.
  - **Impact:** Boost ICT entrepreneurship. Promote local content. It is envisaged that this facility will promote local content in production of PC and peripherals, thereby creating more jobs and wealth for the Nigerian populace.

Highlights of NITDA Programs

- **Business Process Outsourcing Academy Certification**
  - **Description:** According to the research firm, International Data Corporation (IDC), the worldwide BPO market is forecast to reach $209.4 billion (about N48 trillion) in 2017. Nigeria is prime as the next biggest outsourcing destination for a number of advantages. NITDA, in collaboration with stakeholders, has just recently developed curriculum and guidelines for BPO academy in Nigeria for certifying any prospective BPO academy.
  - **Objectives:** To tap into the regional and global opportunity in BPO.
  - **Location:** Across the country.
  - **Impact:** Grow the outsourcing industry. Create jobs.

Highlights of NITDA Programs

- **Software Development and Testing Centre**
  - **Description:** Establish a state-of-the-art software development and testing centre that provides hands-on training of software developers and testers. Also provides software testing equipment for use by companies.
  - **Objectives:** To develop local capability maturity model integration in software testing, as well as provide local software companies with testing labs that will be fully equipped with all the testing software and infrastructure required to ensure that local developed software meets the required international standards.
  - **Location:** NITDA South West Zonal Office, Lagos.
  - **Outcomes:** Centre almost completed. When fully operational with testing services, it will attract FDI and expertise. Create jobs and drive national competitiveness in software industry. The centre is currently over-subscribed for the uptake of next batch of trained resources.
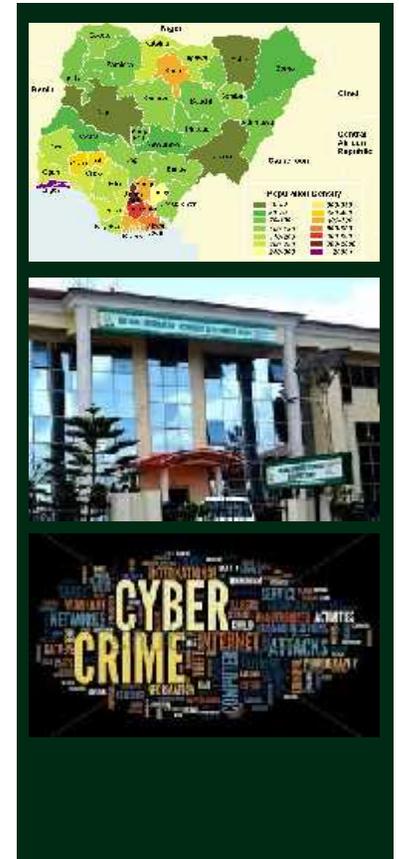
Highlights of NITDA Programs

- **Implementation of CERRT NG**
  - **Description:** In collaboration with the Office of the National Security Adviser, Computer Emergency Readiness and Response Team (CERRT.ng) was established to provide support in responding to computer, network and related cyber security incidents by building National cyber security readiness through fostering the development of sectorial Computer Emergency Response Teams (CERTs) and Computer Security Incident Response Teams (CSIRTs).
  - **Objectives:** Increased capacity building, acceleration of the Cybercrime Bill, as well as speedy response to cyber threats.
  - **Location:** NITDA Head office.
  - **Outcomes:** Establishment of CEERT NG Centre at NITDA office, manned by NITDA trained staff and representatives from key stakeholders.

Highlights of NITDA Programs

- **Standards and Guidelines Developed**
  - **Description:** Develop framework for IT governance (monitoring, evaluation, coordination and regulation of the IT industry); develop standards for IT in Nigeria; and develop guidelines for IT services and practices.
  - **Objectives:** Standards are developed to bring technological, economic and societal benefits. They help to harmonize technical specifications of products and services making industry more efficient, reducing risks and breaking down barriers to international trade. Conformity to Standards and Guidelines will help reassure consumers that products are safe, efficient and good for the environment.
  - **Location:** NITDA Standard Guidelines and Regulation Department.
  - **Outcomes:** The following standards and guidelines have been developed.

1. Local content guidelines and policy in Nigeria
2. Framework for standards, guidelines and policies on IT
3. Establishment of consumer complaint platform with dedicated website and lines where the public may report bad or substandard IT services or products
4. Guidelines on IT uses in schools
5. Standards for IT network security
6. E-government interoperability framework
7. Guidelines for e-waste management

1. Compliance framework and implementation guidelines for Nigerian content development
2. Standards on IT infrastructures in built environment
3. Standards of IT infrastructures in public utilities
4. Standards on Computer Assembled Products
5. Implementation guidelines on IT uses in schools
6. Development of hologram and machine readable barcode for IT products certification
7. Development of website security and certification program for Nigeria websites
8. Standards and guidelines for transactional web portal.

Partnership & Collaboration

- We are embracing a Multi-Stakeholders Partnership (MSP) approach to deepen our relationship and commitment to the development of the ICT industry in Nigeria.

- The MSP will strengthen our capacity and relationship to deliver on our mandate

Few representation of our partners

Federal & State MDAs

Nigeria Software Companies

Nigeria IT Industry Associations   **Nigeria Local OEMs**

Media Houses (local and Foreign)

NITDA New Strategic Pillars from 2014 to 2018

| #	PILLAR	REMARKS
1	Governance	Assessing and improving NITDA's capacity to govern the IT sector in Nigeria
2	E-government and National initiatives	Assessing and enhancing NITDA's ability to improve the use of IT in all sectors especially in Nigeria's public sector.
3	Regulation	Assessing and improving NITDA's capacity to regulate the IT sector in Nigeria
4	IT Financing and Investment	Reviewing the use of ICT Parks to foster IT development and attract private investment
5	ICT Infrastructure & Alliance	Assessing and improving NITDA's capacity, to develop strategic alliances, towards evolving national ICT infrastructure for sustainable national development.
6	IT Skills & People Oriented Development Programme	Assessing and enhancing NITDA's ability to foster the availability of relevant world class IT skills, in Nigeria, towards sustainable national development.
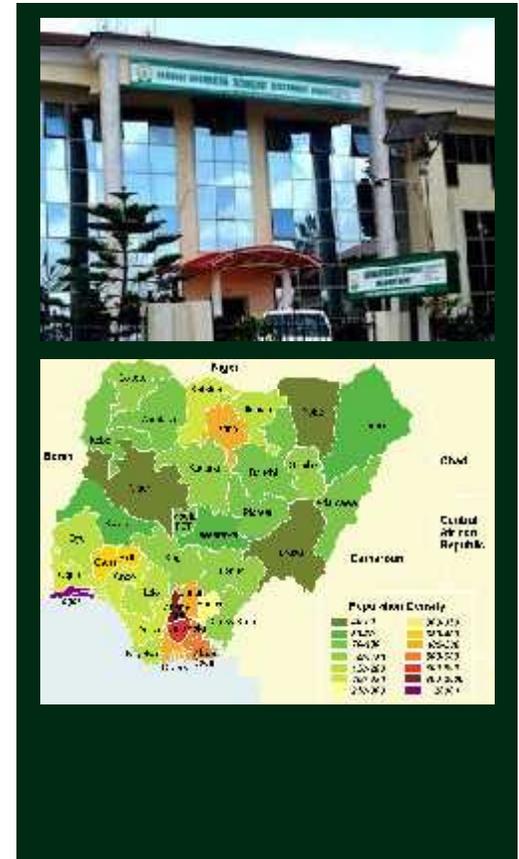
NITDA Strategic Goals from 2014 to 2018

#	Goals
1	Develop Internal readiness for effective and efficient IT Governance
2	Implement policies that crystallize IT as the national economic enabler
3	Improve use of IT in government service delivery
4	Drive IT penetration and diffusion in Nigeria
5	Reinforce an Effective IT Regulatory Framework
6	Promote home-grown IT SMEs & Nigeria Global Brand to enhance job and wealth creation
7	Develop a globally competitive service based IT industry
8	Develop &Promote a Secured IT Ecosystem
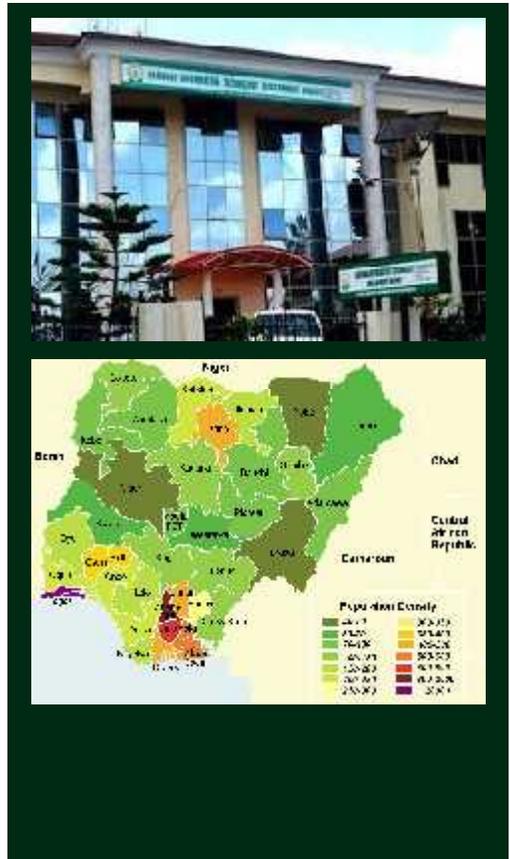
In Conclusion

- ICT is no longer a "nice-to-have" for inclusive development
- NITDA is strategically and uniquely positioned in this dispensation with new capability to increase its inclusive development programs for positive socio-economic development
- Our ambition is to make Nigeria become the number one centre for IT diffusion in Africa.
- With your partnership, we will be able to facilitate the following by 2018:
  - Create over a million direct and indirect ICT jobs
  - Drive PC penetration in schools
  - Support the development of over 1,000 Nigerian IT SMEs
  - Generate over $15 billion from home grown software, hardware & IT services and BPO;
  - Foster adoption of local software and digital content growth of 55% in 4 years.
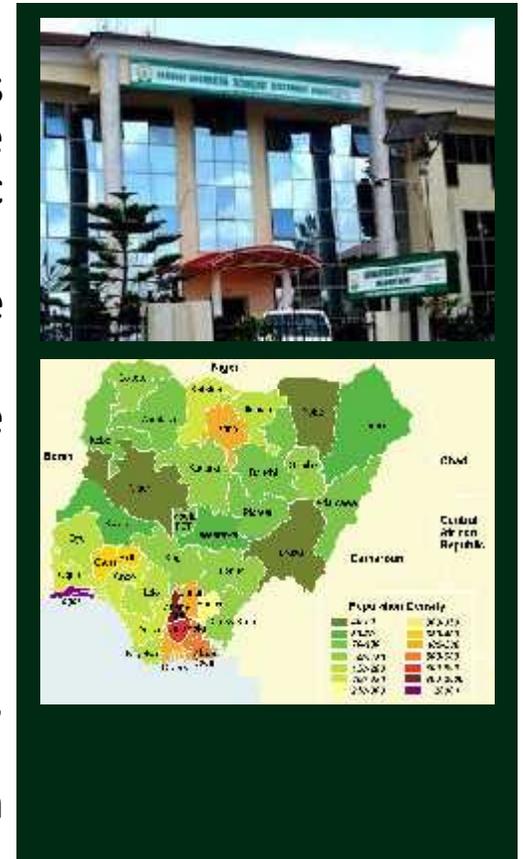
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THANK YOU!