

# **The Ghana Scan-ICT Phase 2 Initiative**

**The Scope, Deliverables and Work Plan**

# Scope of the Project

The project guided by the details and the provisions of the Scan-ICT – 2 Tool Kit focuses on:

- (i) The identification of a basket of suitable ICT4D status and impact monitoring indicators that Ghana should concentrate on to facilitate the monitoring and measurement of Ghana's progress towards the development of its information and knowledge economy [*The Ghana Basket of ICT4D Indicators*]
- (ii) The development of a Framework to facilitate the compilation of the Ghana Basket of ICT4D Status and Impact Monitoring and Assessment Indicators in the Ghana Statistical System [*The Framework for Integration ICT4D Status and Impact Monitoring and Measurement Indicators into the National Statistical System*]

- (iii) The Development of Tools and Mechanisms including Data Collection Schemes, Questionnaires, Sampling Frames, Methods, Procedures, and Structures for supporting the implementation of the Framework for Integration ICT4D Indicators into the National Statistical System [*The ICT4D Indicators Integration Tools, Methods and Mechanisms*]
- (iv) The [*Ghana Core ICT4D Indicators Compilation and Analysis Demonstration Project*]. This will involve the compilation and the analysis of a selected number of the ‘Core’ Indicators’.
- This is a pilot initiative to demonstrate outputs of (i) – (iii) as a proof of concept exercise that will focus the following core indicators:

## **Basic infrastructure and access**

- 1. Main telephone lines per 100 inhabitants
- 2. Mobile cellular subscribers per 100 inhabitants
- 3. Radio per 100 inhabitants
- 4. Television sets per 100 inhabitants
- 5. Number of PCs per 100 inhabitants
- 6. Number of Internet subscribers per 100 inhabitants
- 7. International Internet bandwidth per inhabitant
- 8. Broadband Internet subscribers per 100 inhabitants
- 9. Internet access tariff (20 hours per month) as a percentage of per capita income
- 10. Percentage of localities with public Internet access centres (PIACs) by number of inhabitants
- (rural/urban)
- 11. Percentage of population with access to PIACs by type of PIAC (governmental/private)
- 12. Percentage of population covered by mobile telephony
- **Households**
- 16. Percentage of households with radio
- 17. Percentage of households with a television
- 18. Percentage of households with a telephone (Fixed only, mobile only, fixed and mobile)

## **Education**

- 32. Percentage of primary and secondary schools having Internet access for students for study purposes
- 33. Percentage of students enrolled in tertiary education having Internet access for students for study purposes
- 34. Enrolled Student to PC ratio (in primary, secondary schools and tertiary education)
- 35. Percentage of students enrolled in tertiary education in an ICT field or an ICT-dominated field (of the total number of students) (by gender)
- 36. Percentage of ICT-qualified teachers in primary and secondary schools (of the total number of teachers)
- 37. Percentage of tertiary education institutions with e-learning courses (of the total number of tertiary education institutions)
- 38. For what purpose do students/teachers use computers/Internet (% for E-mail, research, employment opportunities, application software, etc.)

## **Government**

- 39. Ratio of availability of PCs to number of staff
- 40. Percentage of government offices with Internet access
- 41. Percentage of government offices and agencies with a website
- 42. Percentage of government employees with Internet access from the office
- 43. % of government workers that use ICTs
- 44. Purpose of use: (%) for e-mail, research, database work, geomatics, etc

## **Health**

- 48. % of health institutions using ICTs (by type of health institution: private clinic, government, university hospital, pharmacy etc...)
- 49. Geographic distribution of health institutions with computers, telephone and Internet connectivity
- 50. % of health professionals that use ICTs for medical purposes
- 51. Purpose of usage and % in tele-medicine, e-mail, research (health information, continuing medical education or distance learning, health promotion (including health information systems), database, Software applications, etc
- 52. % of local web-sites and data bases with medical information

## **Supplementary Indicators**

- 53. Total Resident Population
- 54. Total number of households
- 55. Percentage of households with electricity
- 56. Total number of sub-regional and regional backbones and Exchange Points to which the country has access

# Expected Outputs of the Project – The Deliverables

The Expected Outputs of the Project are:

- (i) A Report documenting the *Ghana Basket of ICT4D Indicators*
- (ii) A *Framework for Integration ICT4D Status and Impact Monitoring and Assessment Indicators into the National Statistical System* of the Ghana Statistical Service (GSS)
- (iii) A Report documenting the *ICT4D Indicators Integration Tools and Mechanisms*
- (iv) Report detailing the outcomes, outputs and the lessons of the *Ghana Core ICT4D Indicators Compilation and Analysis Demonstration Project*
- (v) The Ghana ICT4D Indicators Website and Databases
- (vi) Final Project Report

# Project WorkPlan and Time-lines

Major Scheduled Activities	Time-line
One-Day Training Workshop on the Scan-ICT-2 Tool Kit and the Phase 2 Process	March 2006
Development of the <i>Ghana Basket of ICT4D Indicator</i>	April-May 2006
<i>Development of a Framework for Integration ICT4D Status and Impact Monitoring and Measurement Indicators into the National Statistical System</i>	May – June 2006
<i>Development of the components of the ICT4D Indicators Integration Tools Methods and Mechanisms</i>	April - July 2006
Implementation of the <i>Ghana Core ICT4D Indicators Compilation and Analysis Demonstration Project</i>	May – August 2006
Development of Other Project Support Resources and Platforms	June – August 2006
One-Day Stakeholder Technical Workshop of Project Outputs	August 2006
Preparation of Final Project Report	August 2006