An Insight into ICT Applications

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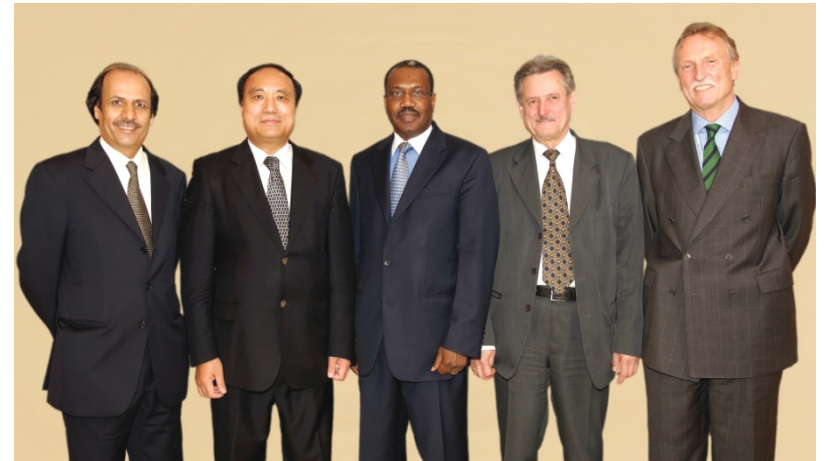
Telecommunication Development Bureau (BDT)
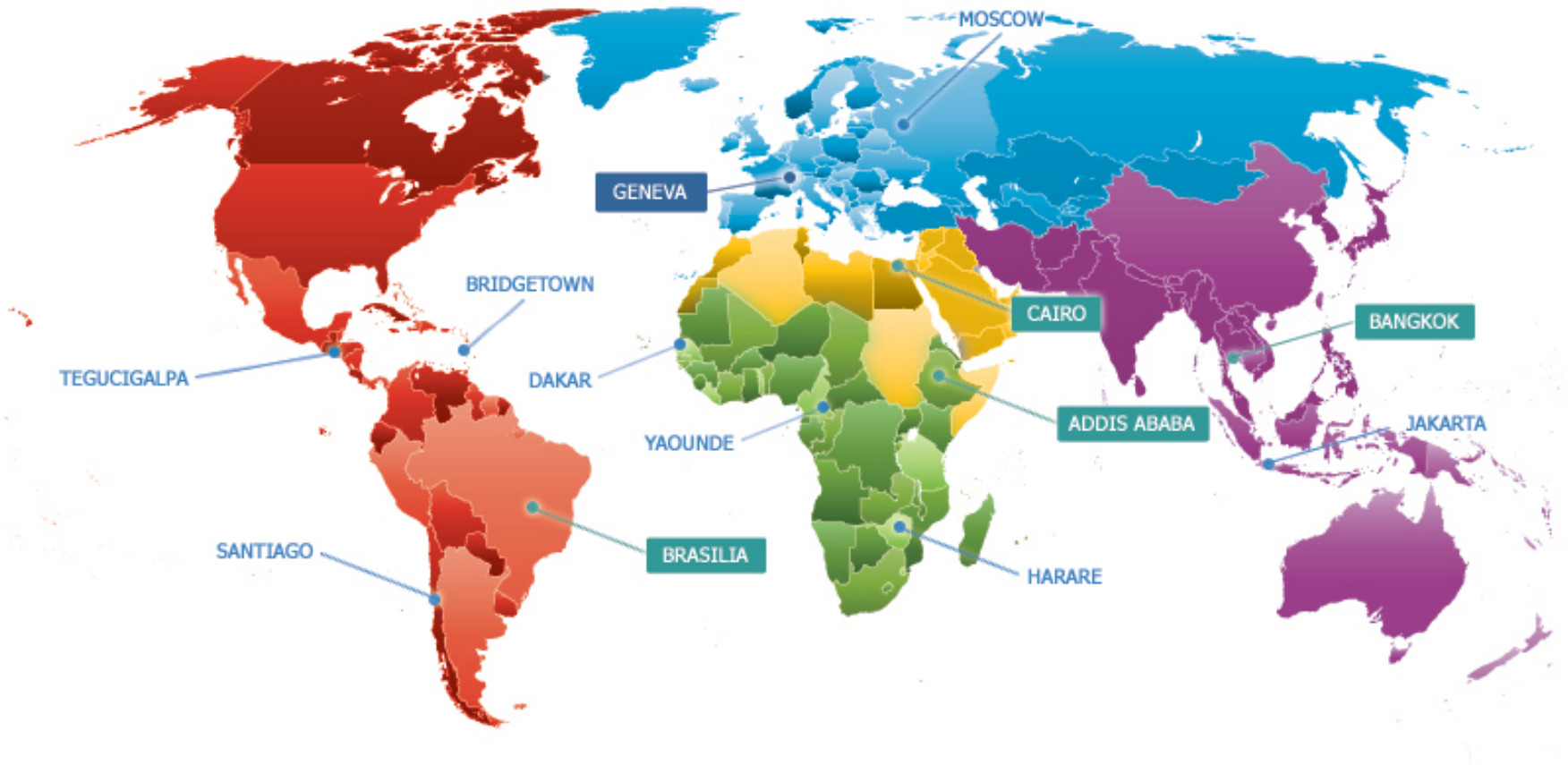**International Telecommunication Union (ITU)**

ITU in brief

- Leading United Nations Agency for ICTs.

- 191 Member States, 700 Sector Members

- Three sectors:
  - **Radiocommunication**
  - **Standardization**
  - **Development**

- ITU TELECOM Events

ITU's Global Presence

MOSCOW
GENEVA
BRIDGETOWN
TEGUCIGALPA
DAKAR
CAIRO
BANGKOK
YAOUNDE
ADDIS ABABA
JAKARTA
SANTIAGO
BRASILIA
HARARE

5 regional offices, 8 area offices, HQ in Geneva, Switzerland

International Telecommunication Union

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ITU Priorities for ICT Applications

- With the collaboration of Member States, ITU-D has identified e-government, e-environment and e-health as the three priority domains for the ICT applications area

- The ICT Applications area aims to:

  - ➢ Develop practical tools to help Member States evaluate their needs and capacities for the implementation of ICT projects in government, health and the environment

  - ➢ Share best practices in the area of ICT applications

  - ➢ Raise awareness about the areas where ICT applications can **support sustainable development**

ITU e-Environment Activities

- **Focus**: Provide guidelines for developing countries on how to use ICTs for improving the management and protection of the environment, with particular focus on **climate change**

- ITU's e-environment activities include:

  - ➢ **e-Environment toolkit:** Practical guidelines for assessing needs and establishing strategies for the implementation of national e-environment master plans. The toolkit will include an:

  - ➢ **e-Environment Readiness Index (EERI)**: Methodology and indicators for assessing a country's level of e-environment readiness. The EERI is currently being developed.
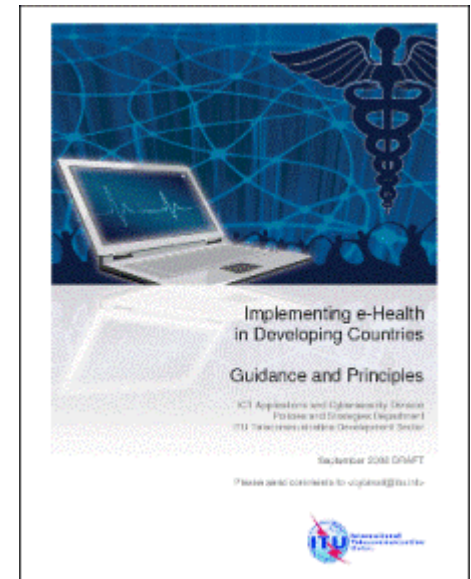

ICTs for e-Environment

ICT Applications and Cybersecurity Division
Policies and Strategies Department
ITU Telecommunication Development Sector

12 April 2008 DRAFT

Please send comments to <cybmail@itu.int>

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ITU e-Health Activities

- UN agencies and health authorities share the challenge of implementing e-health systems and services

- **ITU Focus**: Assisting Member States in exploiting ICTs' potential to:
  - ➢ Meet national health care priorities and public health needs
  - ➢ Expand the reach of their existing health resources to distant communities
  - ➢ Diffuse vital health information among the population
  - ➢ Collect health data and monitor diseases

Implementing e-Health
in Developing Countries

Guidance and Principles

ICT Applications and Cybersecurity Division
Policies and Strategies Department
ITU Telecommunication Development Sector

September 2008 DRAFT

Please send comments to ccybs@itu.int

ITU-D e-Government Project

- As a starting point, ITU-D conducted in 2008 a scoping study on e-Government, entitled *"Electronic Government for Developing Countries"* aimed at examining the adoption of e-Government services in countries with developing economies

- In 2009, ITU-D is developing an e-Government framework, including an implementation toolkit, to facilitate the deployment process of these services in developing countries

http://www.itu.int/ITU-D/cyb/app/

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ITU e-Government Implementation Toolkit

- **Goal**: Provide tools and analytical support to assist decision makers in the development and implementation of national e-Government strategies and projects

- Will examine opportunities and challenges faced by countries when implementing e-Government

- Key dimensions considered:
  - Infrastructure
  - Policy
  - Governance
  - Outreach

- Will be developed in a series of modules addressing priority areas for action on e-Government, identified in the assessment phase

ITU e-Government Implementation Toolkit

- **Module 1 of the e-Government Toolkit** is being finalized
- Module 1 provides a framework for
  - Assessing the status of e-government in a country based on the four key dimensions
  - Comparing e-government readiness across economies
  - Identifying priority areas for future action
- Includes an interactive tool to illustrate e-readiness, using recognized and accessible e-government indicators
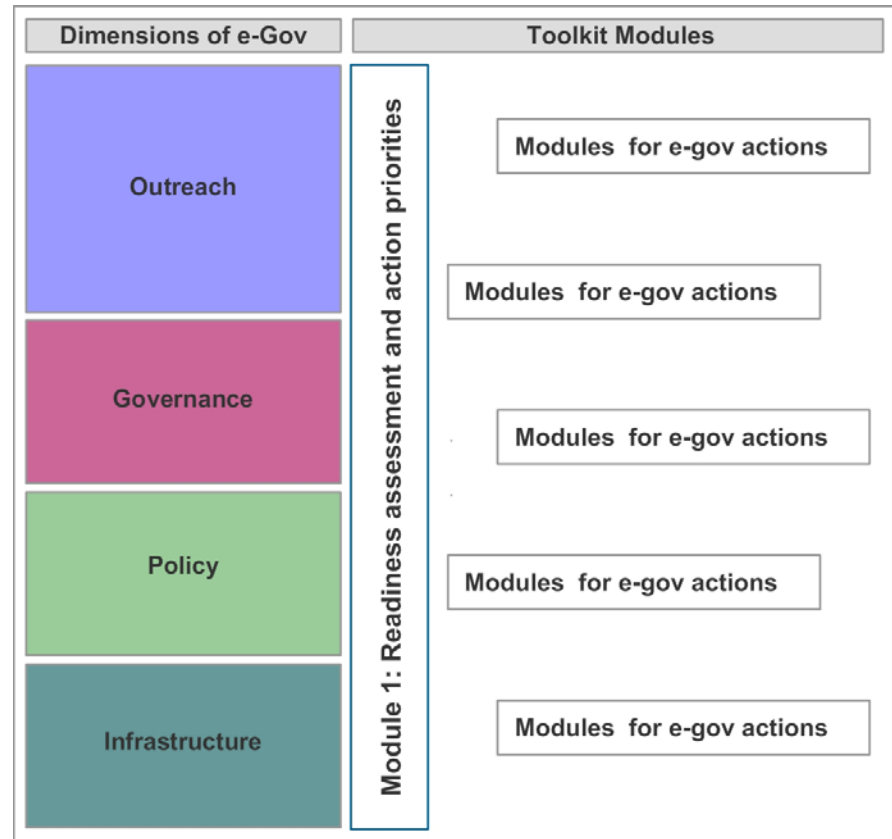
Dimensions of e-government, toolkit modules

- **Four e-gov dimensions:**
  - Outreach
  - Governance
  - Policy
  - Infrastructure

- **Toolkit Modules:**
  1. Readiness, action priorities
  2. e-gov action 1
  3. e-gov action 2
  4. ...

Thanks!

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