



---

# M-Powering, SSDM and ITU Academy Initiatives

ITU Regional Office for Asia and the Pacific

---

# M-Powering, SSDM and ITU Academy



2012



2012



2012

Launched by Mr. Brahima Sanou, Director, BDT

# Objectives




- Aims to extend the benefits of mobile technology to all strata of society, in order to build a truly inclusive information society, with special focus on remote rural and underserved areas.
- Add to GDP growth and create employment opportunities through reliable mobile teleconnectivity, provision of affordable services and use of latest technology.
- Under m-Powering development, the provision of reliable mobile teleconnectivity will help open new models of development. Improved access to and use of mobile technologies may also boost positive social and economic impact in the areas of m-education, m-health, m-government, m-banking and m-sport.
- This initiative envisages pooling the strengths of governments, international organizations, private sector and the civil society to create a dynamic partnership for the purpose of increasing reliable mobile connectivity.

http://www.itu.int/en/ITU-D/Initiatives/m-Powering/Pages/default.aspx

File Edit View Favorites Tools Help

YOU ARE HERE [HOME](#) > [ITU-D](#) > [INITIATIVES](#) > [M-POWERING](#)

SHARE [f](#) [t](#) [in](#) [m](#)



Access to, and use of, ICT services brings innumerable social opportunities and helps to stimulate economic growth of all nations thereby benefiting the daily lives of all citizens. With such powerful technology available in most rural and remote areas, and such unprecedented computing power in the palm of our hands it is imperative that we harness this technology for use in health, education, agriculture, commerce, sport, banking, and in everything that will serve humanity and help us to achieve sustainable development.

**ABOUT THE INITIATIVE**

Mr Brahima Sanou, Director of the ITU's Telecommunication Development Bureau, launched the new

**QUICK LINKS**

- Terms of Reference
- Advisory Board
- Access to Sharepoint

**ADVISORY BOARD MEETINGS**

- Extraordinary Advisory Board Meeting, 6 December 2014
- Second Advisory Board Meeting, 23 May 2014
- First Advisory Board Meeting, 15 October 2013

**NEWSROOM**

- Press releases
- Video interview with Brahima Sanou, Director BDT, ITU
- Video interview with Sam Pitroda, Chairman, m-Powering Development Initiative
- Photos

EN 3:21 PM 19/08/2015

---

## Advisory Board



The m-Powering Development Initiative has an Advisory Board of eminent personalities from diverse backgrounds to provide strategic guidance to the leadership of the Telecommunication Development Bureau.

### **Chairman of the Board:**

***Dr. Sam Pitroda***

Former Advisor to the Prime Minister of India, ITU Broadband Commission Member, C-SAM Inc.

***Three Advisory Board Meetings held***

---

# Report 2015



## Working Groups on m-Health, m-Learning, m-Commerce, m-Business Models, and Advocacy for Mobile

*Issues need to be collectively addressed if we are to achieve the desired sustainability and scalability of m-Powering Development initiative*

- A growing need to pursue advocacy
- Supporting an enabling regulatory environment for m-Powering initiatives
- Approaching mobile initiatives in a holistic manner
- A high dependency on scalability
- A clear indication for any mobile development initiative of results and outcomes

# Objectives



- **Harness the potential of ICTs in changing lives through development and saving lives at times of emergencies**
- **Link rural telecommunications/ ICT development to both disaster risk reduction and management efforts.**
- **Make optimal use of scarce and high cost resources such as satellite systems by putting in use unused satellite capacity.**
- **Create ecosystems where investments made for deploying telecom infrastructures for economic development are also used for disaster response for public safety.**
- **Ensure deployment of robust and resilient communication networks that continues to provide services in the immediate aftermath of disasters.**
- **Avoid duplication in efforts by development partners (governments, private sector, Inter-governmental Organizations, etc.) focusing on either development only or disaster management only without taking into account the other.**



http://www.itu.int/en/ITU-D/Initiatives/SSDM/Pages/default.aspx

File Edit View Favorites Tools Help

Today more than ever before, the world is threatened by disasters characterized by unprecedented frequency and magnitude with a massive impact on both developed and developing economies.

SSDM

00:00 / 00:00

The Initiative aims to create actions necessary to deploy the crucial telecommunications infrastructure that contribute to giving rapid assistance in case of natural disasters, and could also be used as a working tool to

**QUICK LINKS**

- Terms of Reference
- Advisory Board
- Access to Sharepoint

**ADVISORY BOARD MEETINGS**

- Extraordinary Advisory Board Meeting, 6 December 2014
- Second Advisory Board Meeting, 23 May 2014
- First Advisory Board Meeting, 15 October 2013

**NEWSROOM**

- Press release
- Video interview with Brahima Sanou, Director BDT, ITU
- Video interview with John Nasasira, Chairman, SSDM Initiative
- Photos

REPORT 2015

EN 3:47 PM 19/08/2015

---

## Advisory Board



The Smart Sustainable Development Initiative has an Advisory Board designed to provide strategic guidance to the leadership of the Telecommunication Development Bureau.

**Chairman of the Board:**

**H.E. Eng. John Nasasira,**

Minister of Information and Communications Technology  
,Uganda

***Three Advisory Board Meetings held***

---

# Report 2015 - Recommendations



The report provides the Recommendations of the **Working Groups on**

- **Policy, Regulation and Advocacy;**
- **Infrastructure and Technologies; and,**
- **Financing, Partnerships, and Business Models,**

---

# ITU Academy

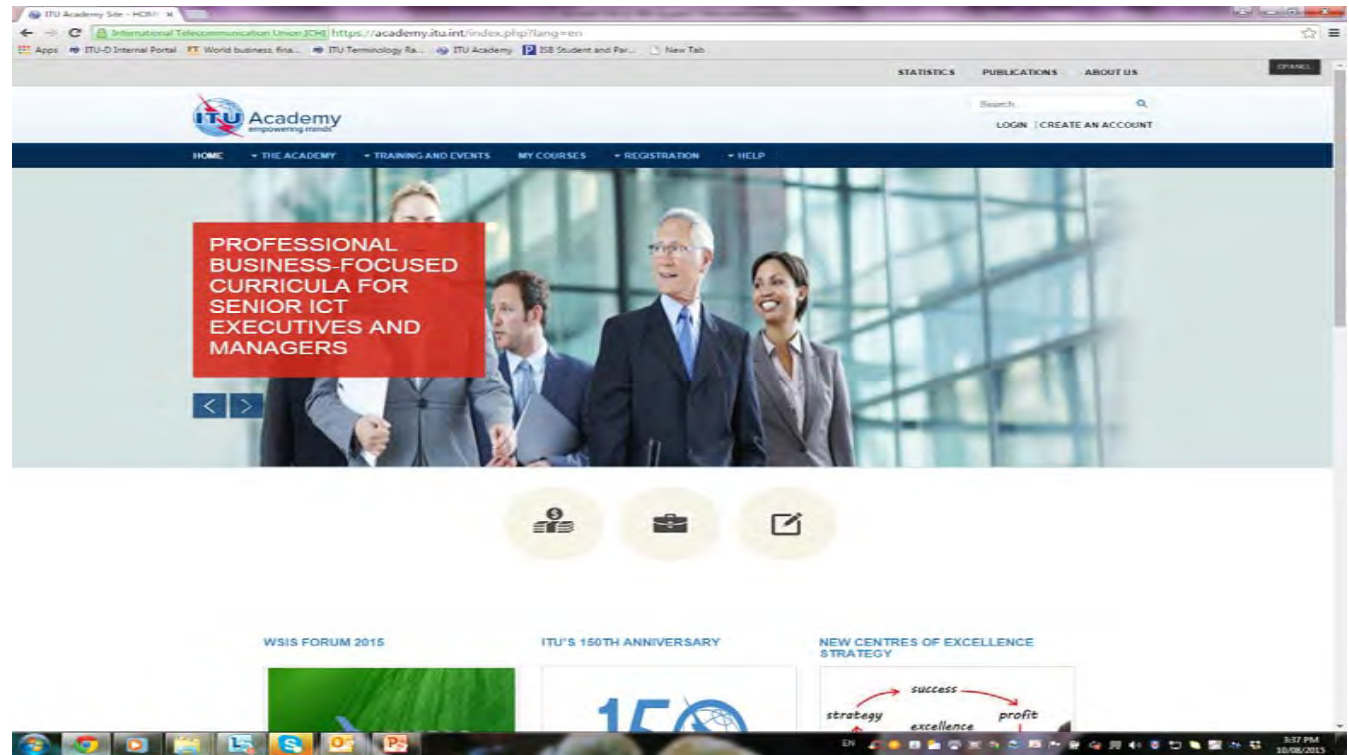


## Overall Objective

- The primary objective of the ITU Academy is to harmonize, integrate and gather under one umbrella all existing ITU training services corresponding to the organization's main areas of activity – radiocommunications, standardization and development - and to extend the current portfolio of training programs.

## Sub-Objectives

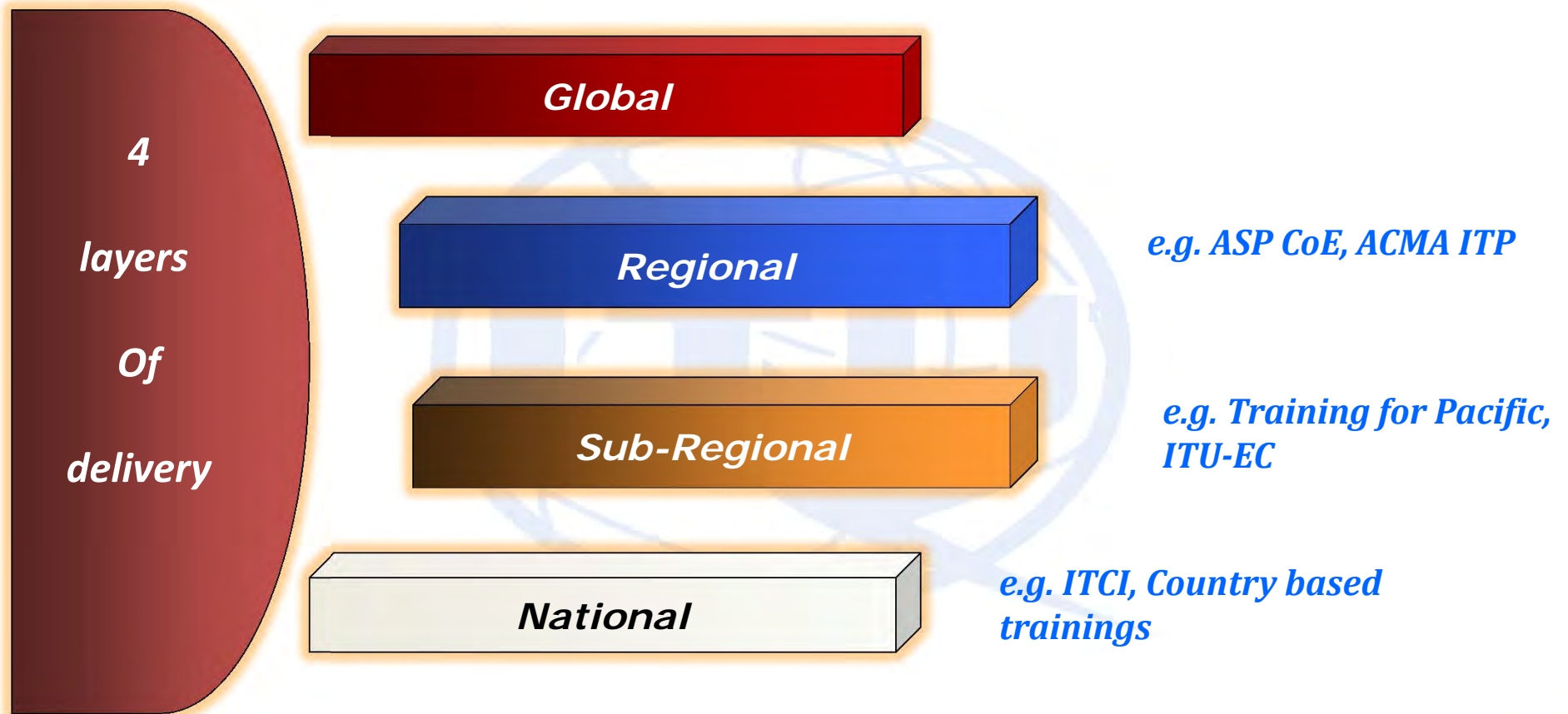
- To work with members, stakeholders and partners in setting priorities for ICT training, development and human capacity-building;
- To commission the design of training, development and human capacity-building solutions in response to agreed priorities, drawing on the services of recognized experts;
- To create a library of ICT learning and human capacity-building resources;
- To provide a platform for knowledge transfer



<http://academy.itu.int>

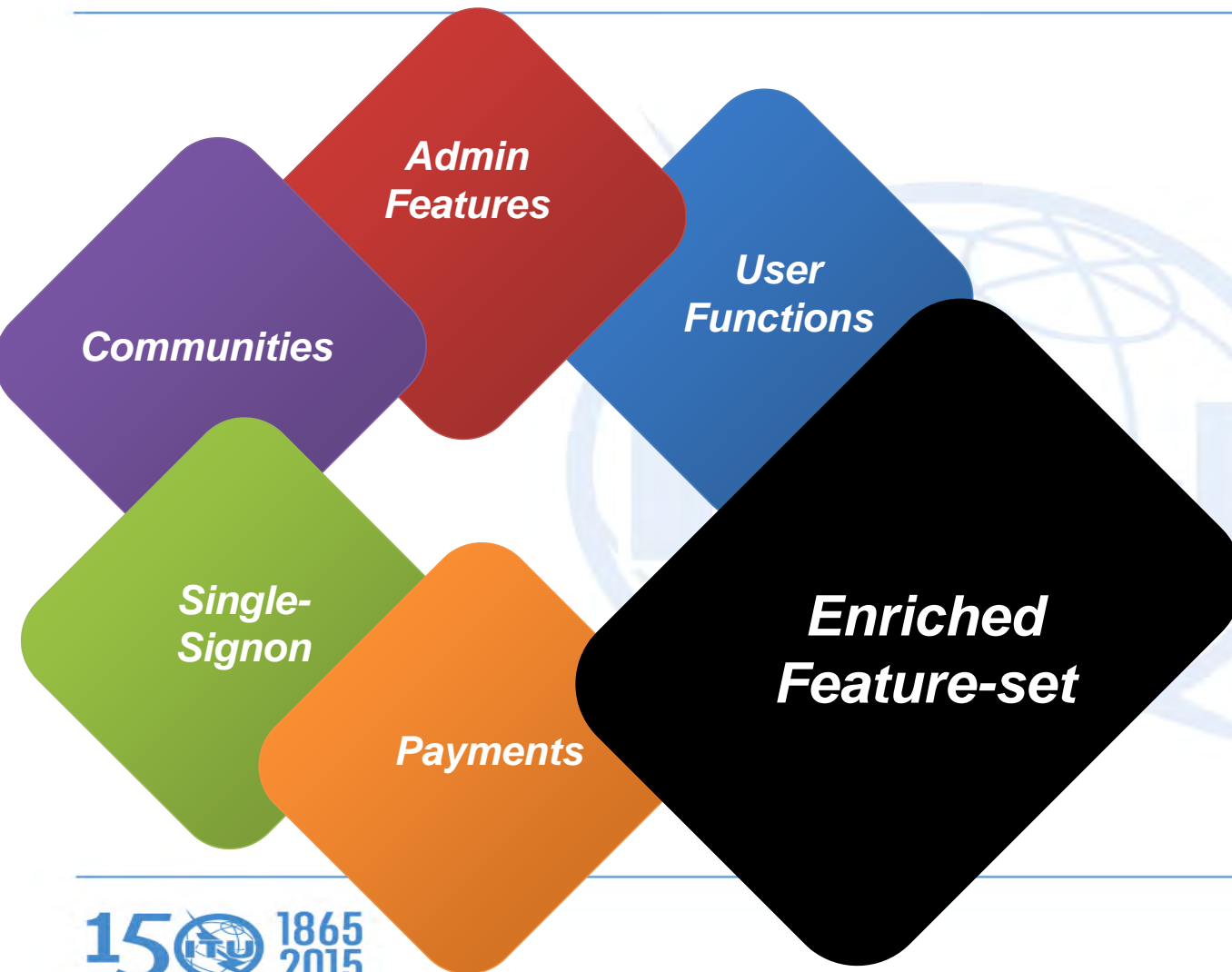


## Human Capacity Building: Four layers of delivery platforms



## ITU ACADEMY HAS A NEW UPDATED PLATFORM

---



### **HIGHLIGHTS**

- User Management Functions
- Admin Tool-Set
- Payment Driven Course Enrolment
- User Guide

---

**CALL UPON MEMBERS AND PARTNERS  
TO SUPPORT THE INITIATIVES**



ITU : I Thank U



## Backgrounder : SSDM Recommendations

---

# Report 2015



## Recommendations of WG 1: Policy, Regulation and Advocacy

- *Credentialing and licensing requirements*
- *Spectrum management*
- *Policy, legislation and regulation including the Tampere Convention*
- *Recommendations on specific advocacy actions*

---

# Report 2015 – Recommendations WG 2 - Infrastructure and Technologies

In order to increase the utility of existing infrastructure in Member States, refer for continued study the development and disaster applications of the most versatile new technologies referenced in this report.

2. Study further the infrastructure needed to support new technologies in the Catalogue particularly focused on the following:

- Movable and deployable resource units (MDRU).
- Portable burst-mode Erbium-Doped Fiber Amplifiers (EDFA).
- Delay Tolerant Networking (DTN).
- Local private wireless mesh networks.
- Satellite communication applications that can be used both for development and disaster response.



## Report 2015 – Recommendations WG 2 Infrastructure and Technologies (continued)

3. Ensure that plans to utilize ICTs in the disaster response and mitigation context are updated regularly to take into account of regional changes, technological upgrades and advancements.
4. Prepare, maintain and update the list of best practices regarding the deployment and use of telecommunication equipment to disaster affected areas implemented by international organizations, governments, NGOs, and private companies.
5. Maintain and update the list of telecommunication/information technologies that can be utilized for disaster prevention, disaster resilient infrastructure, and early recovery from disaster.
6. Convene workshops for all relevant stakeholders on developing ICT development plans and national disaster management plans consistent with the Smart Sustainable Development Model.
7. Encourage governments to introduce policies to enhance network operators' preparedness against disasters.

## Report 2015 – Recommendations Infrastructure and Technologies (continued)

---

8. Facilitate pre-deployment of terminals and end-user equipment and training of first responders on new technologies.
9. Ensure awareness among the first responders on the functionalities and capability of space based technologies and platforms.
10. Conduct capacity, resource, and technology assessments and if necessary develop partnerships with nations willing to provide assistance should disaster strike through agreements such as the Tampere Convention.
11. Ensure the availability of spectrum, which is an essential, critical and scarce resource, for all technologies that are dependent on such resource during times of disasters.
12. Support mechanisms to incorporate Smart Sustainable Development Model objectives as developing countries consider ICT development strategies.
13. Determine feasibility of using any spare capacity available during times of disaster that could be made available to different regions and analyze technical solutions.
14. Encourage operators and service providers to continue developing innovative technologies and applications that will help meet Smart Sustainable Development Model objectives.

## Report 2015 – Recommendations WG 3 - Working Group on Financing, Partnerships, and Business Models

---

- Request that the ITU endorse the proposed Global Platform for Recovery and Development platform (as discussed above), and suggest that the ITU establish a dedicated task force consisting of working group members and ITU staff with the objective to further qualify the technical, operational and financing requirements and to come up with a detailed outline of the envisaged service, as well as recommendations for implementation.
- Use the partnership framework developed by Tim Unwin (as presented in Annex 5) to create an “SSDM Partnership Framework,” specifically tailored to SSDM partnerships based on the satellite industry as the primary private sector partner.
- Incorporate into the SSDM Partnership Framework the specific stakeholder motivations and incentives outlined in this report.
- Complete the research into financing mechanisms, exploring loans and subsidies, as well as more out-of-the-box and innovative approaches.
- Incorporate the most appropriate financing mechanisms into the SSDM Partnership Framework.
- Develop from the SSDM Partnership Framework a “toolkit” of models, guidelines and best practices for setting up sustainable ICT4D partnerships that would leverage the resources of the Global Platform for Recovery and Development platform.