

# SMART SUSTAINABLE DEVELOPMENT MODEL



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# Outline

- ICT for Development (ICT4D)
- The Sustainable Development Goals (SDGs)
- The “Smart Sustainable Development Model” (SSDM) Initiative
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# ICT for Development (ICT4D)

- The international community has consistently recognized the importance of access to ICTs to sustainable development
- ICTs are a platform which integrate and accelerate all three pillars of sustainable development:
  - Economic Growth,
  - Social Inclusion, and
  - Environmental Sustainability
- ICTs can connect people to key services important to sustainable development, such as:
  - Healthcare
  - Education
  - Transportation
  - Economic opportunities
  - Government services

# The Sustainable Development Goals (SDGs)

- Adopted at the UN General Assembly in September, 2015 to stimulate action over the next fifteen years in areas of critical importance for humanity and the planet
- Created through a collaboration of the UN Development Programme (UNDP) and the UN Development Group (UNDG)
- ICTs are directly referenced in four targets of the 17 goals outlined in the SDG document but are relevant to nearly all of the goals:
  - **Goal 4:** ensure inclusive and equitable quality education and promote life-long learning opportunities for all;
  - **Goal 5:** achieve gender equality and empower all women and girls;
  - **Goal 9:** build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation;
  - **Goal 17:** strengthen the means of implementation and revitalize the global partnership for sustainable development.

# “Smart Sustainable Development Model” (SSDM) Initiative

- Launched in Dubai on the occasion of the ITU World Telecom 2012
- Aims to create a framework for optimizing the use of ICT resources for development (ICT4D) and disaster management (ICT4DM) purposes
- Seeks to create efficient, cost-effective, and timely utilization of scarce resource, by synergizing ICT4D and ICT4DM, the SSDM



**SMART  
SUSTAINABLE  
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MODEL**

# Objectives of the SSDM

- Harness the potential for ICT in both development and disaster management
- Identify, share, and transfer best practices in each sector worldwide
- Optimize the use of scarce resources; such as satellite orbitals and satellite capacity
- Encourage planning and coordination at national and intergovernmental levels
- Encourage stakeholders to work together for sustainable development

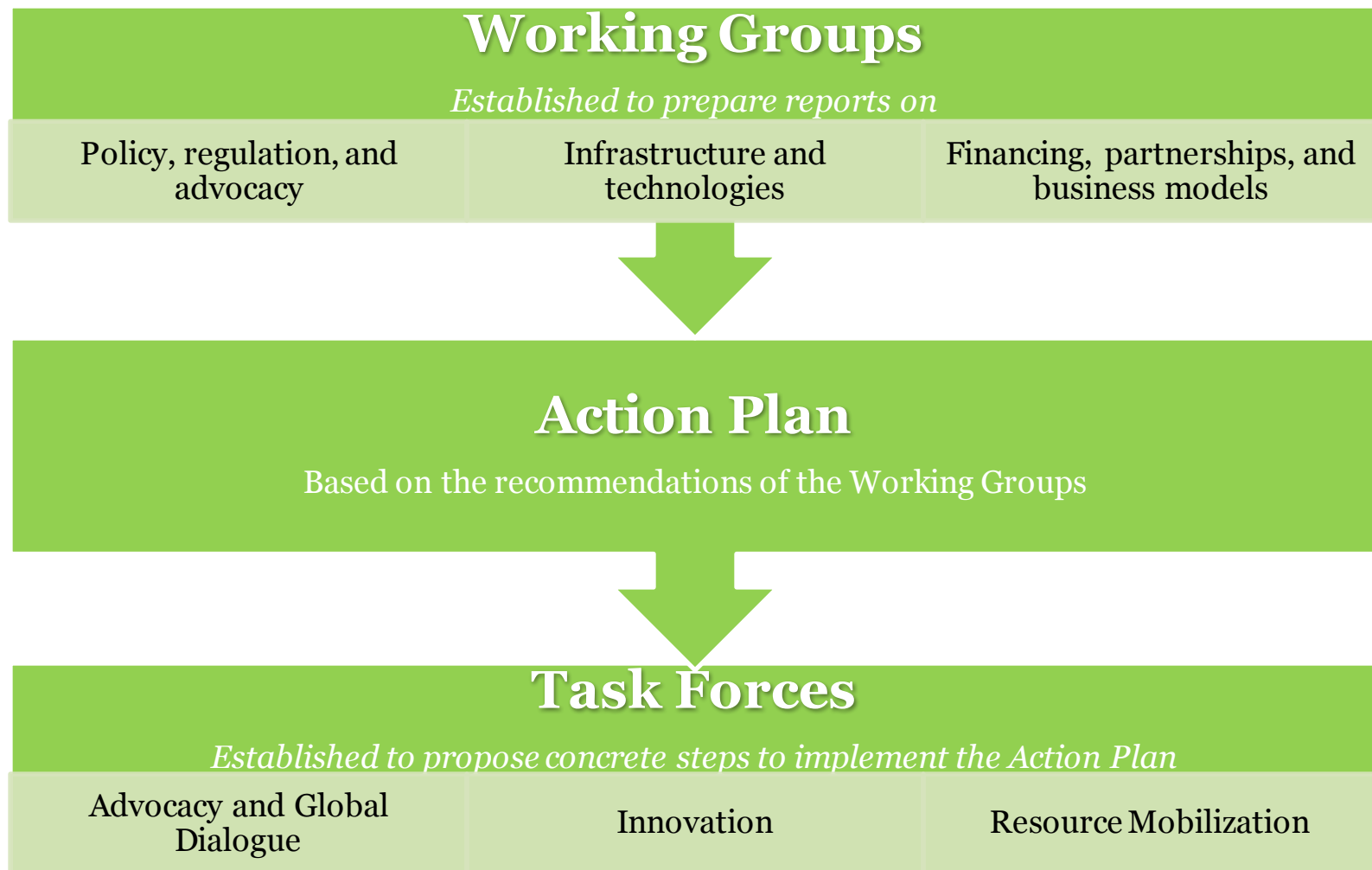


# SSDM's Advisory Board

- Composed of renowned experts from diverse backgrounds:
  - Ministers of ICTs;
  - Members of International organizations;
  - Members of the private sector;
  - Members of civil society and relevant NGOs.
- Designed to provide strategic guidance to the leadership of the ITU-D



# The Work of the SSDM Initiative





# Recommendations

## Resource Mobilization Taskforce

*Led by Mr. Flavien Bachabi, Managing Director, Africa Broadcast Satellite (ABS)*

### **Key Recommendations Include:**

- Promotion of risk awareness to mitigate disaster risk and implement risk reduction techniques
- Continuous training of the First Responders and the personnel working for the local disaster management agencies
- Developing partnerships with donors willing to provide assistance through international conventions or bilateral agreements to provide and support ICT capabilities
- Creating favorable policy and regulations to enable timely and efficient deployment of the services
- Maintaining an updated database of equipment suppliers and service providers

# Recommendations

## Advocacy and Global Dialogue Taskforce

*Led by Mr. Christian Roisse, Executive Secretary, EUTELSAT IGO*

### **Key Recommendations Include:**

- Adopt non-discriminatory spectrum management policies to promote transparency and ensure efficient spectrum allocation, due to the fact that spectrum is a scarce and finite resource
- Governments should engage with all stakeholders, including the general public, through mechanisms such as public consultations regarding spectrum allocation and management.
- Spectrum plans and strategies should be associated with ICT4D and take into consideration the full diversity of radio-communications requirements in order to support disaster management
- Promote the ratification and usage of the Tampere Convention

# Recommendations

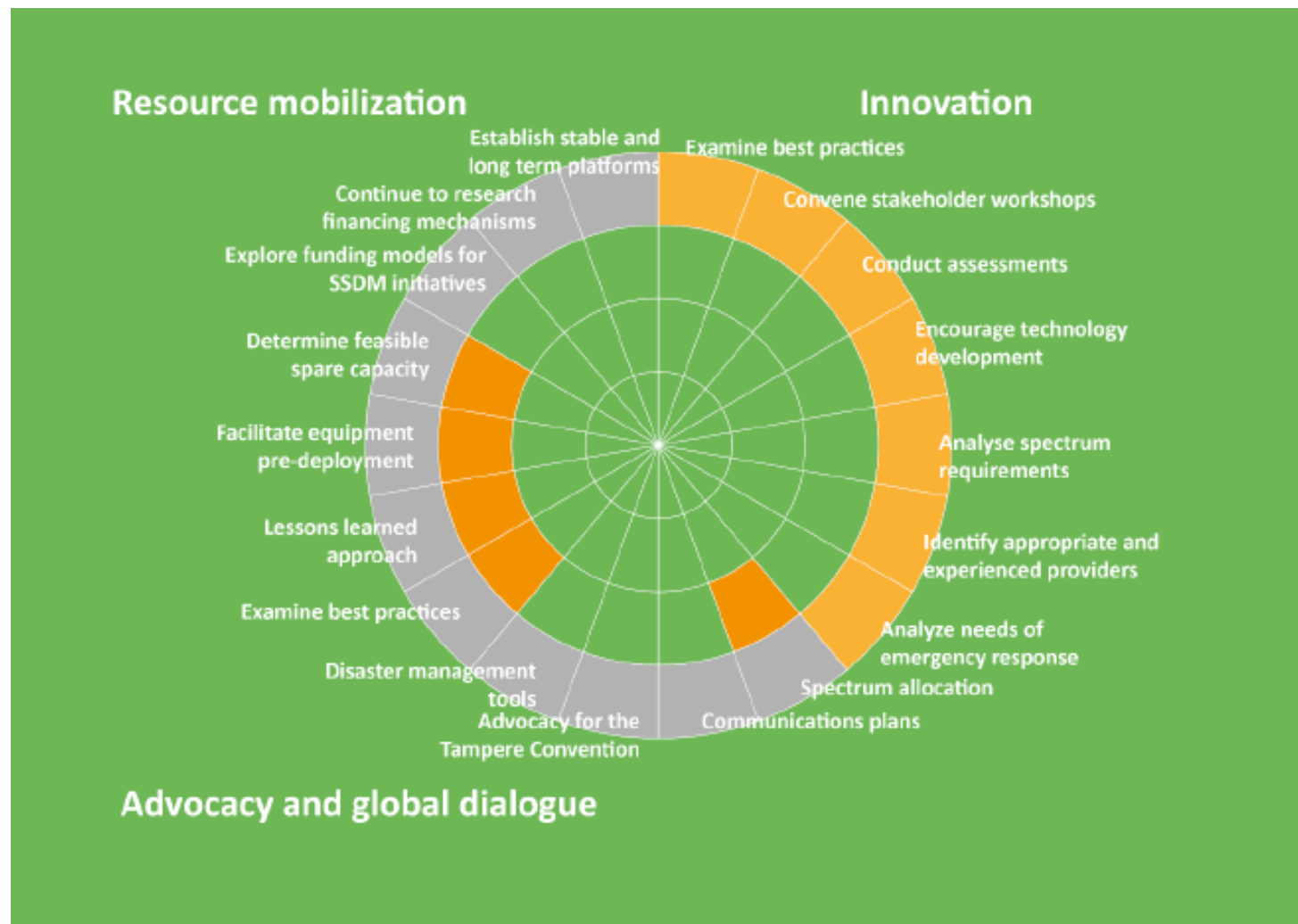
## Innovation Taskforce

*Led by Ms. Donna Bethea-Murphy, VP Global Regulatory Affairs, Inmarsat*

### **Key Recommendations Include:**

- Foster Global Disaster Preparedness and help to reduce barriers often faced by private, public, and NGO Information and Communications Technology (“ICT”) providers
- Increase recognition of ICT Providers as a critical infrastructure in the context of international disaster preparedness
- Improve interagency coordination and expedite engagement between host country response leads and public, private and NGO ICT service/solution providers
- Improve communication and information flows regarding use of ICTs during an international disaster

# Summary of Recommendations



# Next Cycle of the SSDM

- Will focus on implementation of concrete actions
- Director of the ITU will review the current composition of the SSDM Advisory Board
- New Advisory Board will begin implementing the recommendations made by the three Task Forces.



# Relevant Projects

## In progress:

- ITU/ITSO/Intelsat/Inmarsat/Kacific Project for the Pacific
  - Project for the development of satellite communication capacity and emergency communications in the Pacific region

## Under discussion:

- A similar project for the Caribbean states

## As we move on...

- Similar projects for other regions or countries



# Thank you

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