

# **Group on Capacity Building Initiatives (GCBI)**

***AMERICAS REGION PRESENTATION***

***19 AND 20 MARCH, 2019***



## ***REGIONAL INITIATIVES FOR THE AMERICAS REGION***

- ❖ AMS1: Disaster risk reduction and communications management
- ❖ AMS2: Spectrum management and transition to digital broadcasting
- ❖ AMS3: Deployment of broadband infrastructure, especially in rural and neglected areas, and strengthening of broadband access to services and applications
- ❖ AMS4: Accessibility and affordability for an inclusive and sustainable Americas region
- ❖ AMS5: Development of the digital economy, smart cities and communities and the Internet of Things, promoting innovation



## ***ITU CENTERS OF EXCELLENCE***

- ✓ **The inaugural Meeting of the Centers of Excellence for the Americas Regions was held in Brasilia, Brazil, fom 14 to 15 February 2019.**



## ***CENTERS OF EXCELLENCE AND PRIORITY AREAS***

<b>Name of Institution</b>	<b>Country</b>	<b>Priority Area</b>
Administración Nacional de Telecomunicaciones (ANTEL)	Uruguay	Wireless and Fixed Broadband Innovation & Entrepreneurship
Instituto Politécnico Nacional (IPN)	Mexico	Big Data & Statistics Cybersecurity Artificial Intelligence
Universidad Blas Pascal (UBP)	Argentina	Innovation & Entrepreneurship Smart Cities & Communities Internet of Things
Instituto Nacional de Investigación y Capacitación de Telecomunicaciones (INICTEL-UNI)	Peru	Cybersecurity
Instituto Nacional de Telecomunicações (INATEL)	Brazil	Digital Broadcasting Wireless & Fixed Broadband
Universidad Técnica Particular de Loja (UTPL)	Ecuador	Smart Cities & Communities



## ***REGIONAL INITIATIVES AND CAPACITY BUILDING OFFERS:***

### **❖ AMS1: Disaster risk reduction and communications management**

#### **❖ Expected Results:**

Regional meetings and workshops to share experiences and best practices on telecommunications/information and communication technologies (ICTs) for preventive measures for disaster risk reduction and emergency response, maximizing resources, creating more innovative and effective programmes and coordinating actions in border areas for the Americas region.

#### **❖ Capacity Building Offer:**

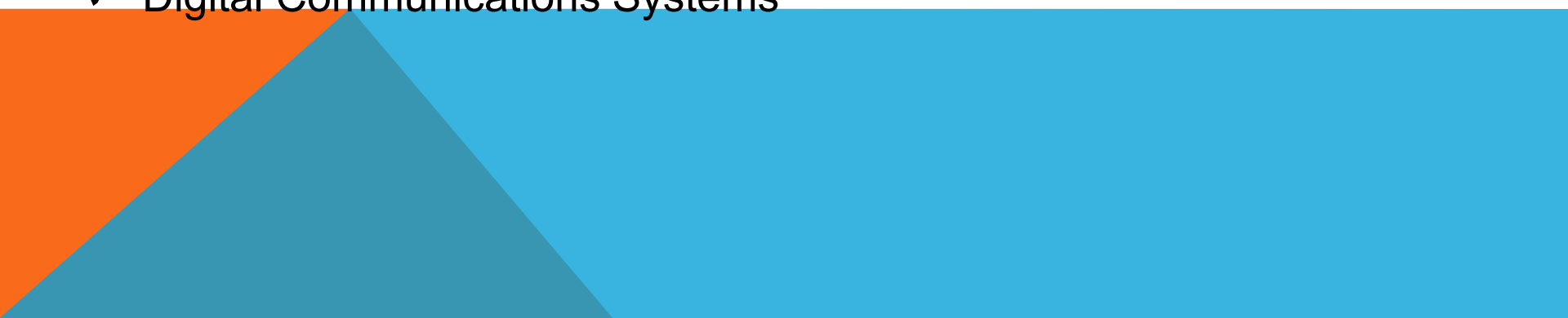
- ✓ Global Fórum on Emergency Communications (GET19)

## ❖ **AMS2: Spectrum management and transition to digital broadcasting**

### ❖ **Expected Results:**

Capacity building in spectrum management, digital broadcasting technologies and the use of the digital dividend and new broadcasting services and applications, providing assistance in using tools to support developing countries in improving international coordination of terrestrial services in border areas.

### ❖ **Centers of Excellence:**

- ✓ Digital TV Systems
  - ✓ Digital Communications Systems
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❖ **AMS3: Deployment of broadband infrastructure, especially in rural and neglected areas, and strengthening of broadband access to services and applications**

❖ **Expected Results:**

Consolidation and dissemination of information, including through meetings and workshops, about standards and conformance and interoperability, and exchange of best practices related to the deployment and operation of broadband networks, especially in rural areas, and connectivity, with emphasis on least developed countries (LDCs), LLDCs and SIDS.

❖ **Centers of Excellence:**

- ✓ General concepts of 5G and the technologies involved
- ✓ Introduction to SDN at IP Networks
- ✓ 5G – Trends and Applications

❖ **AMS4: Accessibility and affordability for an inclusive and sustainable Americas region**

❖ **Capacity Building Offers:**

✓ Americas Accessible Regional Meeting





❖ **AMS5: Development of the digital economy, smart cities and communities and the Internet of Things, promoting innovation**

❖ **Expected Results:**

Meetings and workshops on the impact of the digital economy in the region, in collaboration with other relevant organizations.

❖ **Centers of Excellence:**

- ✓ Security in Internet of Things Environments TICs en las Ciudades Inteligentes (USD500)
- ✓ e-Government and e-Governance in Smart Cities
- ✓ Analysis, processing and visualization of large volumes of data in Smart Cities

# ***WORKSHOPS PLANNED FOR 2019 FOR THE REGION - ITU:***

**Indigenous training course on Communication Networks and Broadcasting**

**Indicators & Statistics Training Courses**

**Course on Digital Policies (ITU&FGV)**

**Training on Conformance and Interoperability (C&I) for the Americas Region**

**Digital Policies School for Caribbean 1 (2019) ITU&ACADEMIA -Model Safe School Programme in the Caribbean**

**ITU Caribbean Regional Regulatory Meeting on AI, IOT, Smart Cities and e-Government 2019**

**Policies &, Regulatory Developments, Workshop and Training - ICT Applications, e-payments, Spectrum Pricing**

**ITU / ITSO Training on Satellite Communications**

**Cybersecurity from La Patagonia**



# ***OVERVIEW OF SKILLS GAPS, SKILLS REQUIREMENTS AND PRIORITIES FOR CB IN THE REGION***

**AMS3: Deployment of broadband infrastructure, especially in rural and neglected areas, and strengthening of broadband access to services and applications**

**Res 11, Res 49: Telecommunications/ICTs in Rural and Remote Areas, Assistance to Indigenous peoples.**

- ❖ **All these resolutions refer to capacity development in policy strategies to reach and attend rural and remote areas. This aspect is pending for implementation.**
- ❖ **Some efforts have been going on in the region on policy related matters to explore different business models for telecommunications in rural and remote areas and new approaches to spectrum management, such as spectrum sharing which is also important in implementing 5G.**

# ***OTHER SKILLS GAPS AND SKILLS REQUIREMENTS FOR CAPACITY BUILDING IN THE REGION***

- ***POLICY AND REGULATION***
  - ***CLIMATE CHANGE***
  - ***SPECTRUM MANAGEMENT***
  - ***DIGITAL TRANSFORMATION***
  - ***OTHERS***
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# ***BEYOND REGIONAL INITIATIVES***

## ***OTHER STAKEHOLDERS AND PARTNERSHIPS***

- ❖ ITU-CITEL partnership on fellowships: CITEL has been actively supporting the capacity building needs of the region through courses and scholarships. Other bodies like COMTELCA, CTU and ISOC and the CLT have also been supporting capacity building activities within the region.
- ❖ Technical Cooperation Projects with countries
- ❖ Support/Assistance to countries through ITU Academy (i.e. Course on Consumers Rights in Brazil)
- ❖ ITU Training Programs (i.e. SMTP)
- ❖ Workshops on specific needs (i. e. Indicators, Conformance & interoperability, etc)





**THANK YOU !**