7th Meeting of the Group on Capacity Building Initiatives (GCBI)
Geneva, 19-20 March 2019

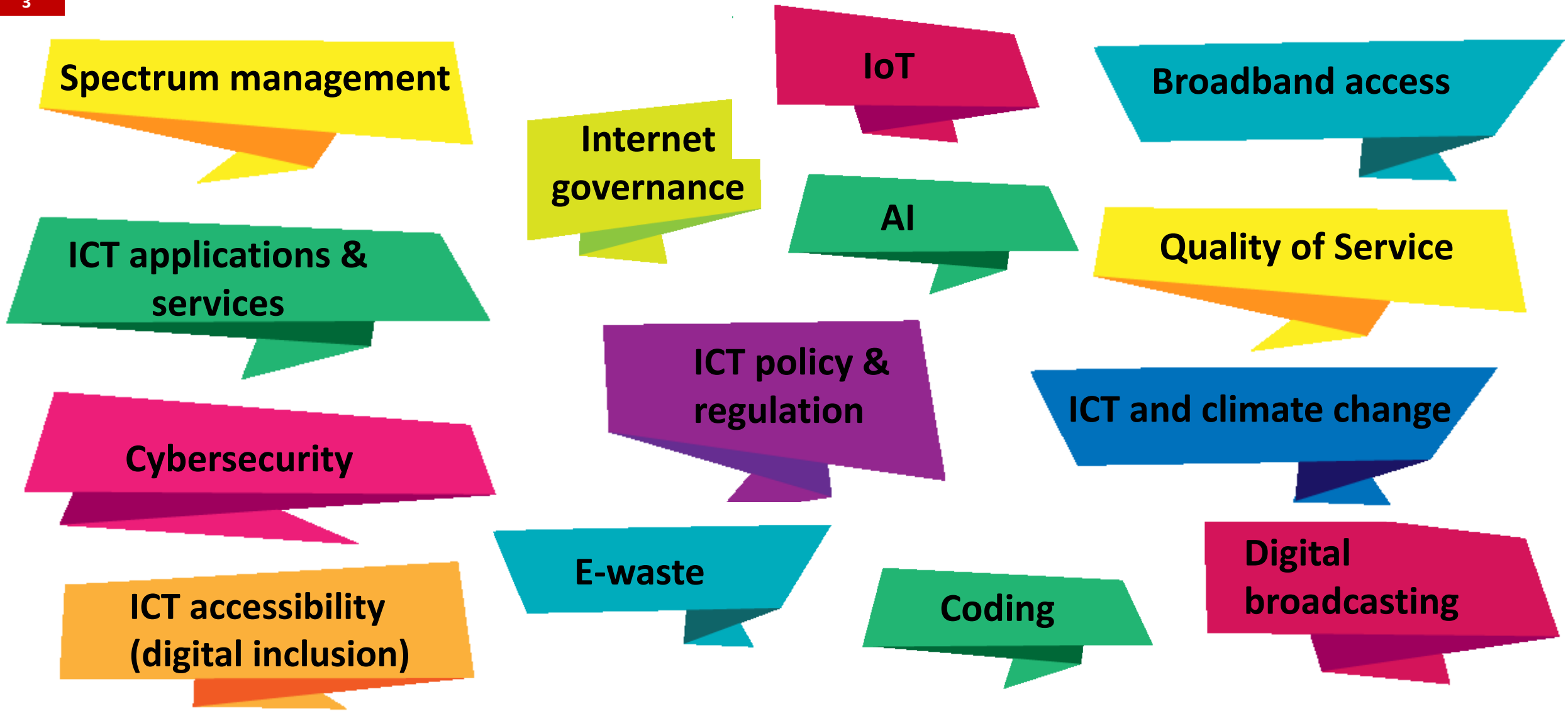
Overview of ITU capacity building activities

Human Capacity Building Division
ITU/BDT

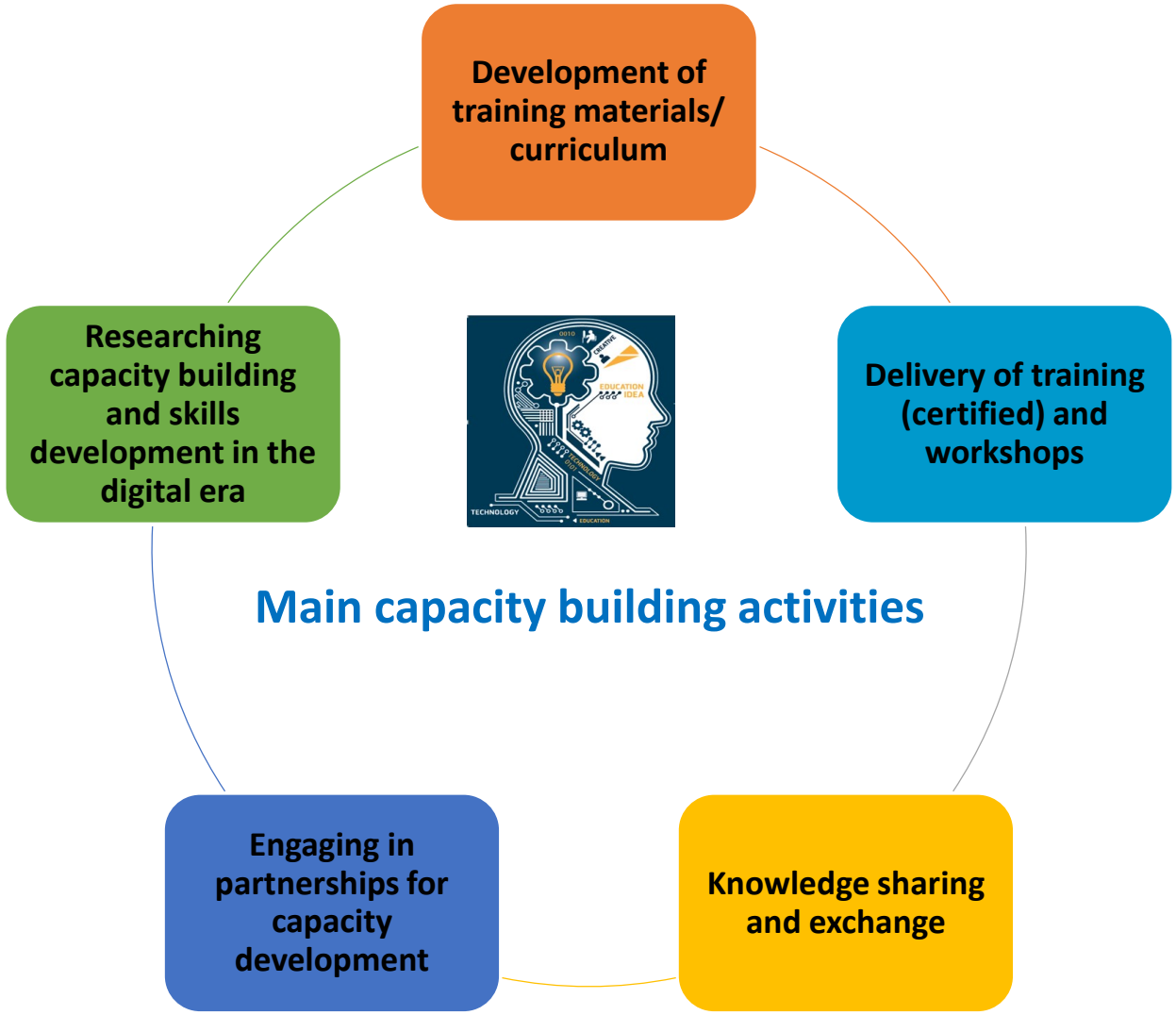
ITU and capacity building - mandate

- ITU World Telecommunication Development Conference (WTDC) 2017
- ITU Strategic Plan and ITU-D Action Plan for the next 4 years
  - Includes capacity building and skills development as a major objective/outcome
- ITU Regional Initiatives: all have capacity building elements (5 RI in each region)
- **Strong mandate on capacity building**

ITU capacity building and skills development: topics



ITU capacity building and skills development



Delivery of training

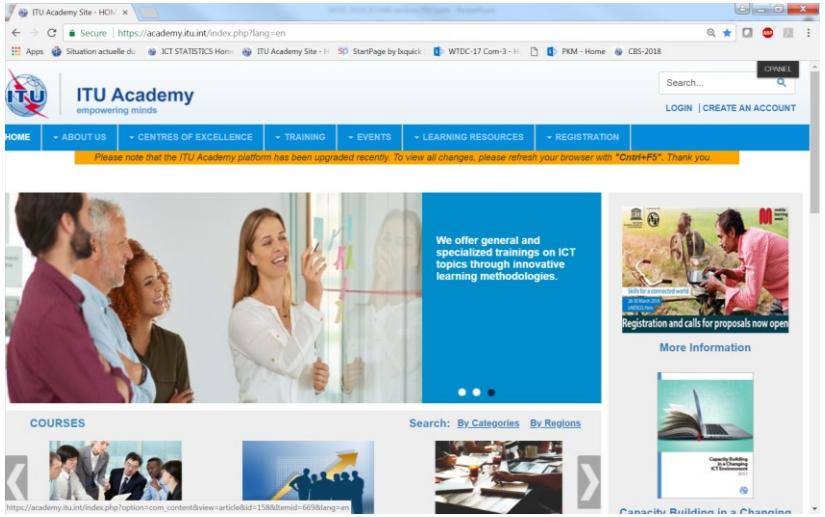
ITU Academy
empowering minds

Main delivery entities:

- **Centers of Excellence (CoEs)**
- Partners (academic institutions, specialized training institutes)
- ITU

Main delivery channels:

- **ITU Academy platform**
- Face-to-face training courses and capacity building workshops



Training delivery through partnerships
Selected partners

CENTRO DE FORMAÇÃO ARCTEL

ITSO

UKTA UNITED KINGDOM TELECOMMUNICATIONS ACADEMY

ICTP The Abdus Salam International Centre for Theoretical Physics

HUAWEI

GSMA

DiPLO

ROHDE&SCHWARZ

CISCO

HUMAN RESOURCES DEVELOPMENT FOR AFRICA AFRALTI

wayfindr

United States Telecommunications Training Institute
GLOBAL GROWTH THROUGH COMMUNICATIONS SHARING

IDB Inter-American Development Bank

Centres of Excellence (CoE) programme

- Flagship ITU capacity development programme
- Global network of high-quality training institutions to build capacity and develop skills in the field of ICT and digital technologies
- Programme in place since 2001 – strategy was reviewed in 2012, new strategy started with last cycle (2015-2018)
- Core elements of new strategy:
  - self-sustainability principle
  - defined priority areas
  - limited number of centers
- 4-year cycle - aligned with WTDC
- WTDC Resolution 73 (mandate)
- CoE networks established in Africa, the Americas, Arab States, Asia-Pacific, CIS and Europe

CoE CYCLE 2015-18

Performance assessment of previous cycle (2015-18)

- 26 operational CoEs across 6 regions
- Over 90% of CoEs viewed their experience as CoE «excellent» or «very good»
- Over 5’000 participants were trained by the network over the cycle period through almost 200 courses
  - Increasing trend over the 4-year cycle (number of courses)
  - Course participation varied significantly (from 4 to over 300)
- 55% face-to-face courses, 45% online courses
- Online courses attract a higher number of participants than face-to-face courses (with some exceptions)
- High performers – low performers

Lessons learned from previous cycle (2015-18)

- Level of engagement of CoE focal point/team as well as sufficient allocation of resources to CoE operations is key to success of CoE
- Topics of courses need to respond to market demand
- Collaboration among CoEs and stronger support from the network and ITU can strengthen performance
- Steering Committee could provide more guidance and support to the network

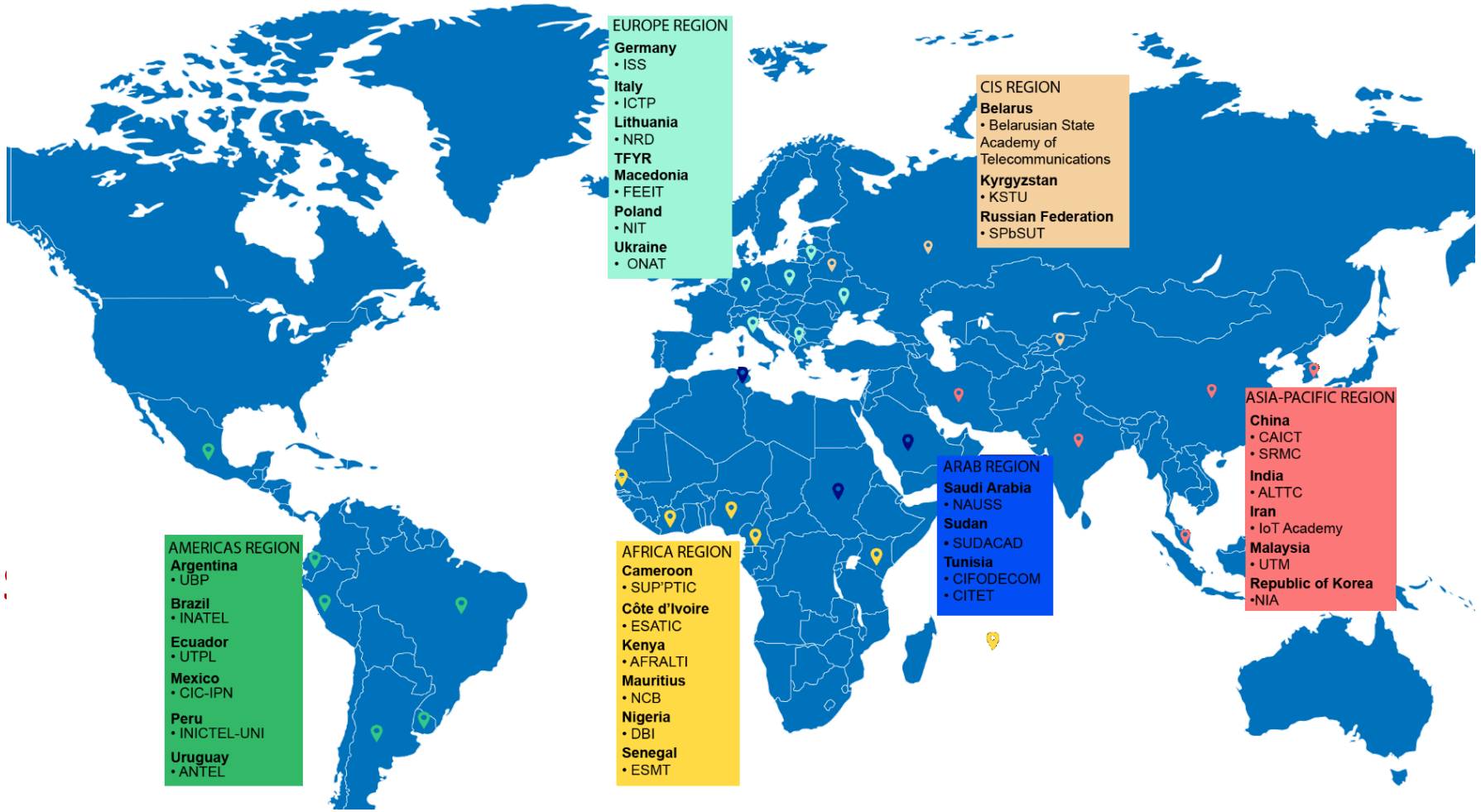
NEW CoE CYCLE 2019-22

Selection process

- Call for applications: 15 May – 15 August 2018
- 64 valid applications received by ITU
- 31 CoEs were selected after thorough and fair assessment of application
- CoEs from previous cycle could reapply
  - Past performance was taken into consideration when assessing applications from previous CoEs
- Announcement of outcome of selection process: 22 November 2018
- Signing of formal Cooperation Agreements (ongoing)
- 1st Steering Committee meetings: Jan - Mar 2019
- Operations: March 2019 – December 2022

Centres of Excellence (CoE) network
31 CoEs in six regions (2019-2022 cycle)

Total of 15 priority area



Centres of Excellence (CoE) network
Africa region (2019-2022 cycle)

Name of institution	Country	Priority areas
African Advanced Level Telecommunications Institute (AFRALTI)	Kenya	Spectrum Management Digital Broadcasting
Computer Emergency Response Team of Mauritius/ National Computer Board (NCB)	Mauritius	Cybersecurity
Digital Bridge Institute (DBI)	Nigeria	Cybersecurity Innovation & Entrepreneurship
Ecole Nationale Supérieure des Postes, Télécommunications et TIC (SUP'PTIC)	Cameroon	Digital Economy Innovation & Entrepreneurship Wireless and Fixed Broadband
Ecole Supérieure Multinationale des Télécommunications (ESMT)	Senegal	Digital Broadcasting Spectrum Management Digital Economy
Ecole Supérieure Africaine des Technologies de l'Information et de la Communication (ESATIC)	Cote d'Ivoire	Cybersecurity Wireless and Fixed Broadband Internet of Things

Centres of Excellence (CoE) network
Americas region (2019-2022 cycle)

Name of institution	Country	Priority areas
Administración Nacional de Telecomunicaciones (ANTEL)	Uruguay	Wireless and Fixed Broadband Innovation & Entrepreneurship
Centro de Investigación en Computación del Instituto Politécnico Nacional (CIC-IPN)	Mexico	Big Data & Statistics Cybersecurity Artificial Intelligence
Fundación Universidad Pascal (UBP)	Argentina	Innovation & Entrepreneurship Internet of Things Smart Cities & Communities
Instituto Nacional de Investigación y Capacitación de Telecomunicaciones – Universidad Nacional de Ingeniera (INICTEL-UNI)	Peru	Cybersecurity
Instituto Nacional de Telecomunicaçoes (INATEL)	Brazil	Digital Broadcasting Wireless and Fixed Broadband
Universidad Técnica Particular De Loja (UTPL)	Ecuador	Smart Cities & Communities

Centres of Excellence (CoE) network
Arab region (2019-2022 cycle)

Name of institution	Country	Priority areas
Centre d'information, de formation, de documentation et d'études en technologies des communications (CIFODE'COM)	Tunisia	Wireless and Fixed Broadband Cybersecurity
Centre International des Technologies de l'Environnement de Tunis (CITET)	Tunisia	ICTs & the Environment
Naif Arab University for Security Sciences (NAUSS)	Saudi Arabia (regional entity)	Cybersecurity Internet of Things
Sudatel Telecommunications Academy (SUDACAD)	Sudan	ICT Applications Wireless and Fixed Broadband

Centres of Excellence (CoE) network
Asia-Pacific region (2019-2022 cycle)

Name of institution	Country	Priority areas
Advanced Level Telecom Training Centre (ALTTC)	India	Wireless and Fixed Broadband Internet of Things Cybersecurity
China Academy of Information and Communications Technology (CAICT)	China	Conformance & Interoperability ICT Applications
IoT Academy	Iran	Internet of Things
National Information Society Agency (NIA)	Republic of Korea	ICT Applications
State Radio Monitoring Center / State Radio Spectrum Management Center (SRMC)	China	Spectrum Management
Wireless Communication Centre, Universiti Teknologi Malaysia (UTM)	Malaysia	Wireless and Fixed Broadband

Centres of Excellence (CoE) network
CIS region (2019-2022 cycle)

Name of institution	Country	Priority areas
Belarusian State Academy of Telecommunications	Belarus	Wireless and Fixed Broadband Cybersecurity
The Bonch-Bruevich Saint-Petersburg State University of Telecommunications (SPbSUT)	Russian Federation	Internet of Things Digital Broadcasting Cybersecurity
Institute of Electronics and Telecommunications (IET) at the Kyrgyz State Technical University (KSTU)	Kyrgyz Republic	Digital Inclusion

Centres of Excellence (CoE) network
Europe region (2019-2022 cycle)

Name of institution	Country	Priority areas
A. S. Popov Odessa National Academy of Telecommunications (ONAT)	Ukraine	Wireless & Fixed Broadband Digital Broadcasting
Faculty of Electrical Engineering and Information Technologies, Ss. Cyril and Methodius University, Skopje (FEEIT)	Macedonia	Wireless & Fixed Broadband
Institute for Security and Safety (ISS) at the Brandenburg University of Applied Sciences	Germany	Cybersecurity
National Institute of Telecommunications (NIT)	Poland	Internet Governance Wireless & Fixed Broadband
NRD Cybersecurity	Lithuania	Cybersecurity
The Abdus Salam International Center for Theoretical Physics (ICTP)	Italy	Internet of Things Big Data & Statistics

New in this cycle

- Up to three priority areas per CoE
- Strengthened role of Steering Committees
- Steering Committee (SC) can decide on courses to be delivered on other emerging topics
- CoEs are full and active members of SC
- Regional online meetings in between face-to-face meetings (CoEs, SC as necessary)
- CoE commitment to allocate resources to CoE operations was part of application
- New ITU Academy platform (2nd quarter of 2019)

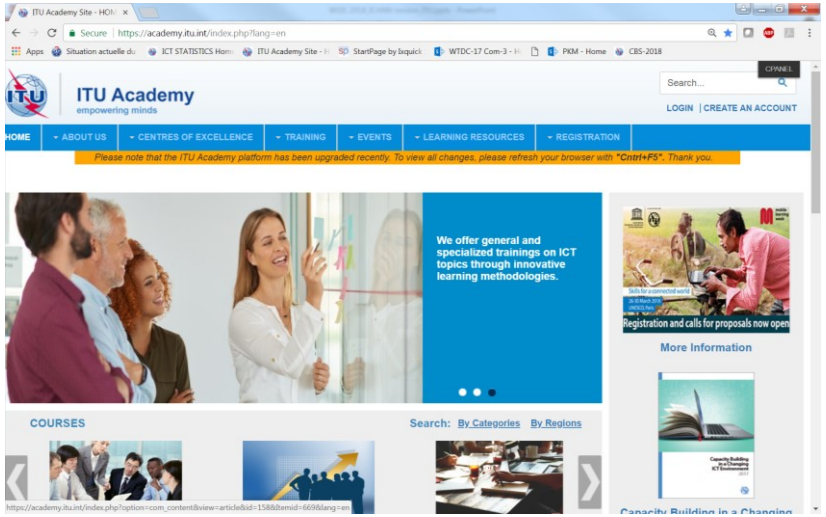
ITU support to CoE network

- ITU Academy platform (CMS, LMS)
- Facilitation of online courses
- Administrative support (registration, fee collection, certificates etc.)
- Promotion of CoE network among the ITU membership
- Promotion of training catalogue
- Curricula development
- Facilitation of partnerships
- Support to the governance of the network (e.g. organization of Steering Committee meetings)

ITU ACADEMY

What is the ITU Academy?

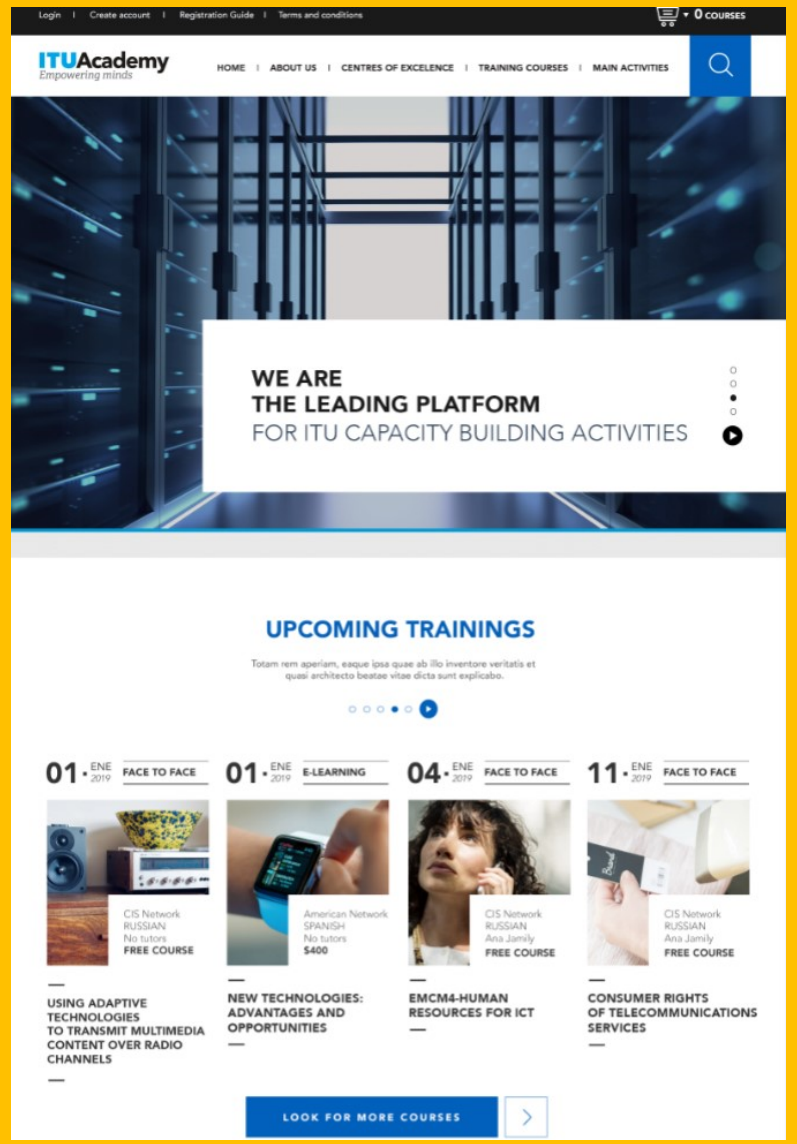
- The ITU Academy online platform is the gateway to ITU's capacity building and training activities
- It is comprised of two systems:
  - A content management system (CMS) featuring information on ITU's activities and links to capacity building events, workshops and training courses
  - A learning management system (LMS) featuring a fully-fledged online learning environment
- All course payments and registrations, for both online and face-to-face courses, are managed through the ITU Academy platform



ITU Academy
empowering minds

New ITU Academy website and training platform

- The ITU Academy platform is currently under redevelopment
  - Better design
  - Easier navigation
  - Enhanced content
  - Accessible via mobile devices
- The website content will be expanded significantly to bring together all ITU/BDT's capacity development activities across different topics
- The new ITU Academy platform will be launched in the 2nd quarter of 2019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0 COURSES
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Empowering minds
HOME | ABOUT US | CENTRES OF EXCELLENCE | TRAINING COURSES | MAIN ACTIVITIES
WE ARE
THE LEADING PLATFORM
FOR ITU CAPACITY BUILDING ACTIVITIES
UPCOMING TRAININGS
Totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo.
01 · ENE 2019 FACE TO FACE
CIS Network
RUSSIAN
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NEW TECHNOLOGIES: ADVANTAGES AND OPPORTUNITIES
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EMCM4-HUMAN RESOURCES FOR ICT
11 · ENE 2019 FACE TO FACE
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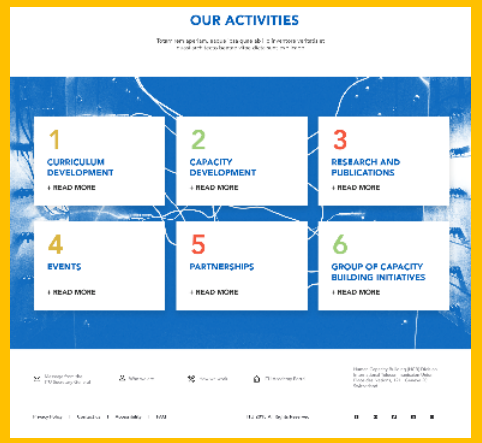
FREE COURSE
CONSUMER RIGHTS OF TELECOMMUNICATIONS SERVICES
LOOK FOR MORE COURSES


FIND YOUR COURSES
BASED ON OUR TOPICS
CLICK HERE AND FIND OUR FULL CATALOGUE OF COURSES
CENTRES OF EXCELLENCE
ALL ABOUT OUR CENTRES OF EXCELLENCE


OUR ACTIVITIES
1
CURRICULUM DEVELOPMENT
READ MORE
2
CAPACITY DEVELOPMENT
READ MORE
3
RESEARCH AND PUBLICATIONS
READ MORE
4
EVENTS
READ MORE
5
PARTNERSHIPS
READ MORE
6
GROUP OF CAPACITY BUILDING INITIATIVES
READ MORE


ITUAcademy
WE ARE
THE LEADING PLATFORM
FOR ITU CAPACITY BUILDING ACTIVITIES
UPCOMING TRAININGS
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04 FACE TO FACE
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GROUP OF CAPACITY BUILDING INITIATIVES
READ MORE

OTHER ACTIVITIES

Development of curriculum

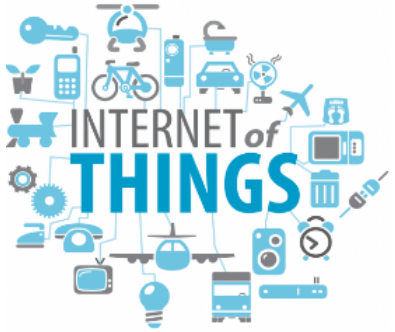
- Standardized training materials in priority areas as defined by ITU membership
- Training materials of the highest level and quality; materials undergo thorough peer review
- Up to date - using the expertise from membership and academia

Training programmes developed/ under development

Complete and available

Complete and available

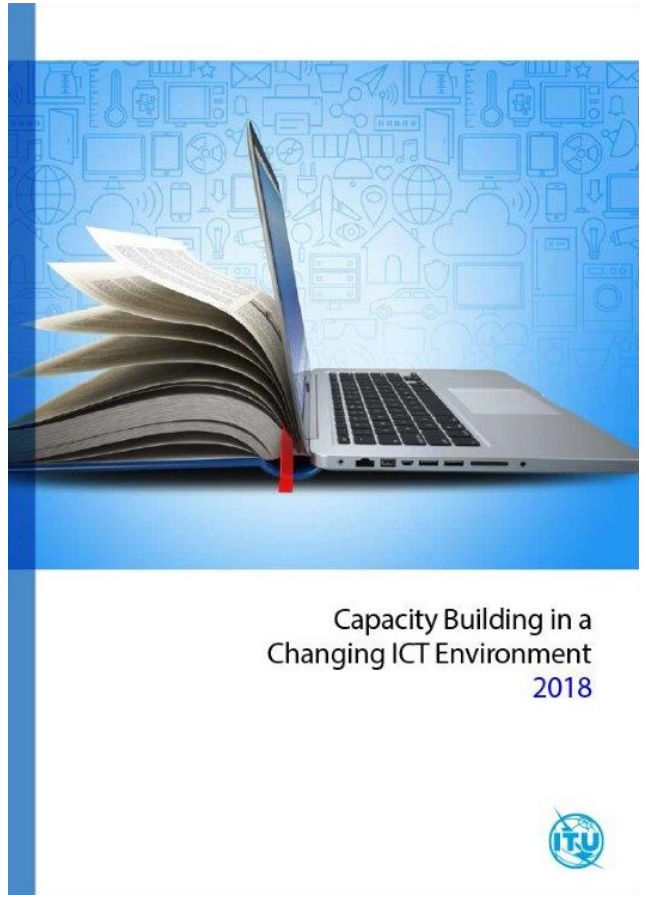
Complete and available



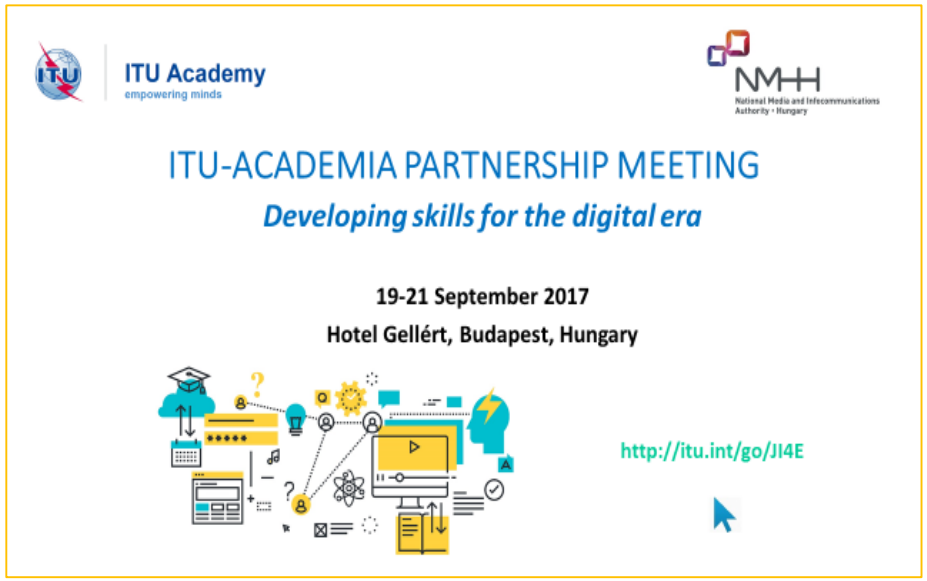
In progress, close to completion

ITU publication “Capacity Building in a Changing ICT Environment”

- Online publication launched in 2017 and released annually
- Puts together scholarly articles in the field of capacity building and skills development in the digital era
- Addresses the ongoing discussion on how digital technologies are transforming job markets, determining new skills set requirements and driving the digital economy requirements for re-skilling
- Target group: experts in the field of digital technologies, including researchers, policymakers and practitioners
- **Third issue (2019)** will be released in second quarter 2019
- Available at academy.itu.int



Forum for knowledge exchange for capacity building stakeholders from all over the world - platform for partnerships



- ITU as neutral convener, facilitator, matchmaker and broker
- ITU brings together supply and demand for ICT training

ITU CAPACITY BUILDING: CHALLENGES AND OPPORTUNITIES

Challenges

- Capacity building activities in ITU are very dispersed, diverse and not standardized
- Narrow focus and target group of training activities (telecom executives) – skills gaps and needs are much bigger in countries
- Little focus on learning outcomes and sustainable impact
- Competition - regionally and globally (e.g. GSMA, CTO, regional telecom bodies, private sector, other UN agencies)
  - Competitors focus on new and emerging trends and fill that slot quickly, and often provide training for free
  - Little resources available compared to competitors

Opportunites

- Lack of digital skills one of the main barriers to Internet uptake and effective use – need for capacity and skills develoment
- Strong mandate from ITU membership
- Existing networks and partnerships regionally and globally (e.g. CoEs – high quality training)
- Access to large ITU membership and possibility of forging partnerships
- Expertise, knowledge and content available in ITU
- ITU recognized as a global convener and facilitator bringing together different stakeholders in the field of capacity development
- Collaboration across ITU can create synergies and increase impact

Questions for discussion

- **How can we increase the impact** of ITU's capacity development and training activities while ensuring the best quality?
  - How can we ensure the best learning outcomes?
  - Which programmes/activities work best for human skills enhancement: certified structured training courses, regional and national workshops, direct technical assistance, etc.?
- **How can we identify and assess national and regional digital skills gaps** and skills needs, which will help to better target and design ITU's capacity development and training programmes?
  - What could be the role of regional telecommunication organizations in identifying skills gaps and training needs?
- One of the main barriers to Internet uptake in low-income countries is the lack of ICT skills. **How can we extend ITU's capacity development activities** to reach those at the bottom of the pyramid who are in need of digital skills training?

THANK YOU

http://academy.itu.int