ITU ACTIVITIES IN CAPACITY BUILDING UPDATE – NOVEMBER 2015

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Presentation outline

CoE Strategy Implementation

- **Update on CoE Strategy Implementation**
- **Development of Training Materials**
- **New Partnerships**
- **Challenges Experienced**
- **Issues For discussion**
- **Capacity Development Symposium**

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CoE Strategy Implementation 2015

GCBI Meeting 17th October 2014

Approval of GCBI recommendations and correspondence to all CoE's by director
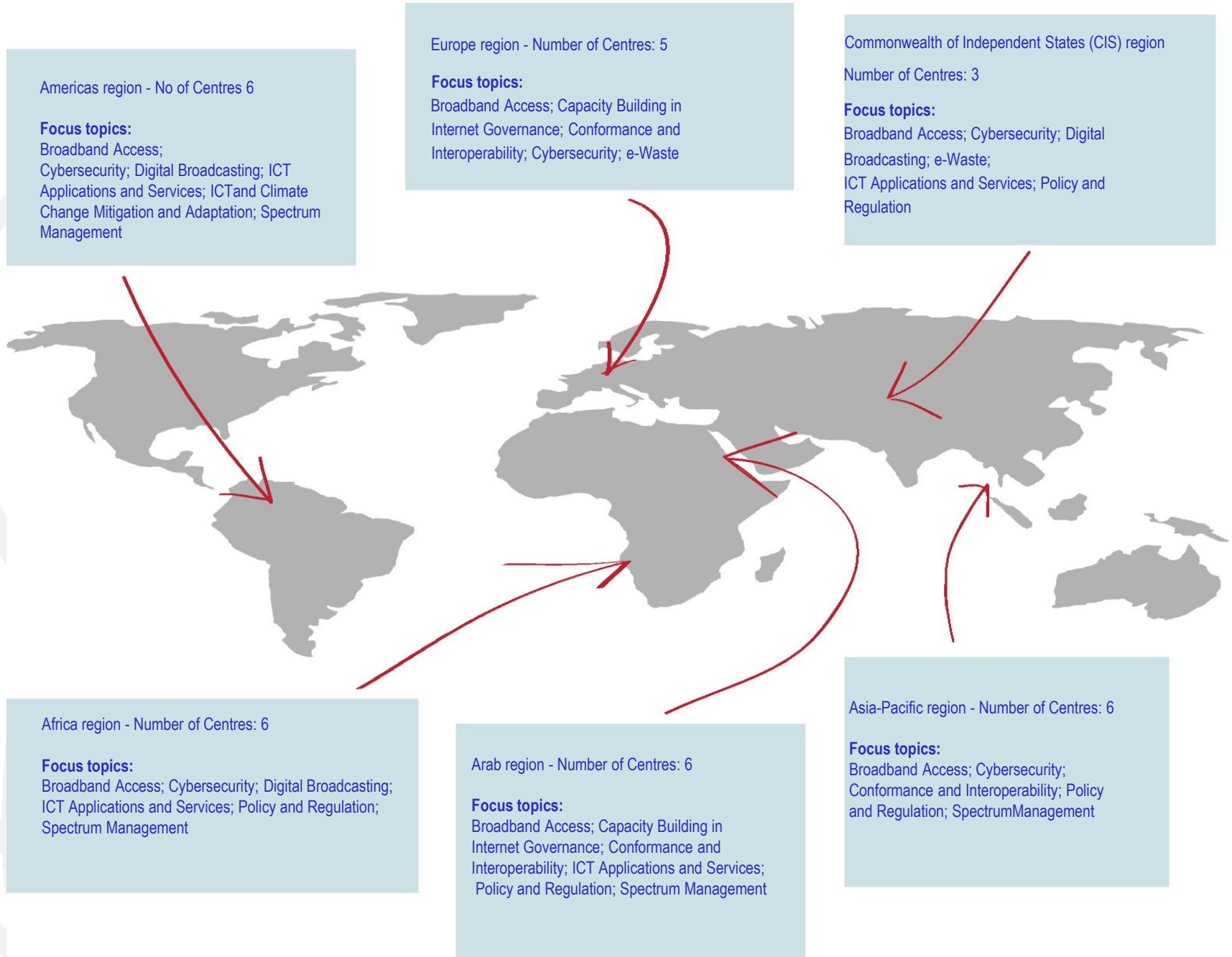BDT – 27th October 2014

32 centers selected

26 signed a Corporation Agreement with ITU, remaining 6 are:
      1 – Arab Region
      3 – Asia Pacific Region
      2 – Africa

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CoE Strategy Implementation – Selected CoE's

Americas region - No of Centres 6

Focus topics:
Broadband Access;
Cybersecurity; Digital Broadcasting; ICT
Applications and Services; ICTand Climate
Change Mitigation and Adaptation; Spectrum
Management

Europe region - Number of Centres: 5

Focus topics:
Broadband Access; Capacity Building in
Internet Governance; Conformance and
Interoperability; Cybersecurity; e-Waste

Commonwealth of Independent States (CIS) region
Number of Centres: 3

Focus topics:
Broadband Access; Cybersecurity; Digital
Broadcasting; e-Waste;
ICT Applications and Services; Policy and
Regulation

Africa region - Number of Centres: 6

Focus topics:
Broadband Access; Cybersecurity; Digital Broadcasting;
ICT Applications and Services; Policy and Regulation;
Spectrum Management

Arab region - Number of Centres: 6

Focus topics:
Broadband Access; Capacity Building in
Internet Governance; Conformance and
Interoperability; ICT Applications and Services;
 Policy and Regulation; Spectrum Management

Asia-Pacific region - Number of Centres: 6

Focus topics:
Broadband Access; Cybersecurity;
Conformance and Interoperability; Policy
and Regulation; SpectrumManagement

CoE Strategy Implementation – CoE's Steering Committee Meetings

Region	Venue	Date	Host
AFR	South Africa	4-6 February 2015	Telkom, SA
AMS	Brazil	25-27 February 2015	National Telecommunication Agency
ARB	Sudan	4 December 2014	SUDACAD
ASP	Thailand	16-17 February 2015	TOT Academy
CIS	Republic of Moldova	30 March 2015	ONAT
Europe	Denmark	11 February 2015	European Communication Office

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CoE Strategy Implementation – CoE's Steering Committee Meetings 2015 issues and action taken

Decision/Recommendation	Region	Status
Standardize the look of ITU courses delivered under the ITU by CoE's. ITU to provide standardized templates for CoE's to use	AFR/ ASP	Templates developed and shared with CoE's
The process of issuing certificates for the activities of the Centres should consider the knowledge assessment of the participants, according to the evaluation criteria defined by the course.	AMS	Certificates to be offered only when a course has been assessed and the participants have achieved the minimum set scores for the assessment
The ITU will share with the Centres the list and contacts of the other selected Centres in other regions in order to stimulate cooperation	AMS	List of CoE's published in the ITU Academy website
The ITU will continue to support the Centres with regard to the materials through the contribution of its focal points. The materials shall be sent to the ITU in due time	AMS	Materials continue to be revised as and when it is received
ITU To facilitate the participation of some countries which have difficulties in transferring money outside their countries,	ARB / CIS	Option to make payment through local/regional ITU offices or UNDP available for these special cases
To identify the priority areas that are not selected and asking the ITU for the possibility of allowing the new six centers of Arab region to work in these areas in addition to the areas that were the CoEs selected for.	ARB	CoE's are independent entities on their own and can work in other areas that are in their scope and strategies, outside the ITU CoE arrangement.
The ITU to provide standard design templates and guidelines of the course material to the Centres where ITU does not have standardized materials	ASP	ITU Academy guidelines for development of training materials have been developed and shared

CoE Strategy Implementation – CoE's Steering Committee Meetings 2015 issues and action taken

Decision/Recommendation	Region	Status
Create a community communication platform for CoE Steering Committees	ASP	A "communities" function has been included into the new ITU Academy platform. CoE steering committees can begin using this facility.
There is need for quick repayment by ITU as back to back contracts are involved.	ASP/ CIS	This has not yet been achieved fully as the process is still being learnt by both ITU and CoE's, therefore delays are caused by invoicing requirements that are at times divergent and take time to find a solution. However the ITU has made a commitment to remit payment at the end of each calendar month
There is also a need to take into account cases where participants do not have credit cards.	ASP	Options for bank transfer to the ITU Account have been made a part of the options for payment of fees.
There was a request for ITU Plaque to be provided to the Centres of Excellence for the period.	ASP	Plaques have been developed for each CoE and a letter of Intent specifying the conditions of use of the plaques is to be signed with each CoE.
Overview of the operational costs of the Global CoE Network should be presented at TDAG-15 as Annex to the GCBI Report	EUR	Report done

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CoE Strategy Implementation – CoE's Steering Committee Meetings 2015 issues and action taken

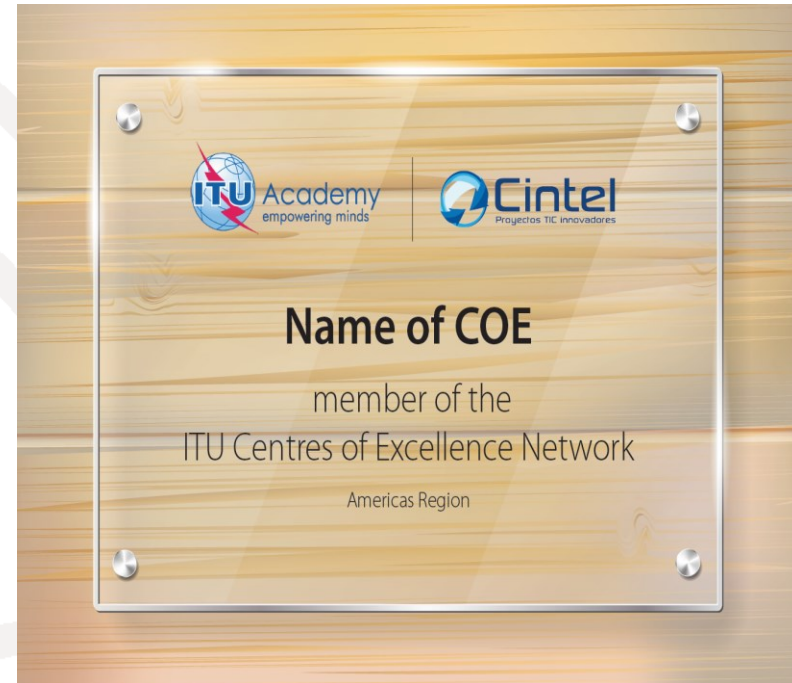| Decision/Recommendation	Region	Status
Online platform should provide the following functions: registration, invoicing, automatized certification.	EUR	Registration and Automatized registration has been implemented in the new platform. The platform also provides to generation of invoices even though this generation is done at a central point not by the participants themselves. The ITU and the platform developers are working on enabling the participants to generate the invoices themselves.
ITU should facilitate collection of fees through the online platform	EUR	Fees collection achieved through the payment based enrolment which is a part of the new functionalities of the ITU platform
Certification should be issued for single trainings or study programmes	EUR	All programme, modular or full programmes that require an assessment for successful completion are certificated

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CoE Strategy Implementation – Implementation of the Action Plans

Activities	Global
Planned	69
Implemented	39

A total of **$45,916** was received from trainings as at 13/11/2015

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CoE Strategy Implementation – HCB Support to CoE's

o   Development of standardized templates

o   Continued development of training materials

o   ITU Academy platform upgrade

o   Fees collection through implementation of payment based enrolment

o   Provision of bank transfer option as an additional method of payment

o   Development of a Coordinators guide and user rights to guide utilization of the new platform

o   Development of Instructors manual to support maximized utilization of new features of the platform

o   Development of plaques for each CoE

Name of COE

member of the
ITU Centres of Excellence Network

Americas Region

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DEVELOPMENT OF TRAINING MATERIALS

- Training programs developed / under development
  - Spectrum Management Training Program (SMTP)
  - Quality of Service Training Program (QoSTP)
  - ICT & Climate Change Training Programme (ICTCCTP)

- Existing training materials are also being aligned to ITU Academy Quality Standards.
  - Economics of Broadband and ICTs.
  - ICT network Deployment and Operation. (with funding from Inter-American Development Bank)
  - Smart Sustainable Cities
  - Conformance and Interoperability
  - Cybersecurity
  - Accessibility

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SMTP

Development

- A total of 15 Modules
- 14 Modules developed
- Module on Terrestrial TV Broadcasting Planning and Digital Transition being developed
- A Pilot programme of the Obligatory Module 1, was conducted between December 2014-February 2015. 40 participants enrolled
- Promotional Video produced to be shared at the end of this presentation

SMTP Modules:

Legal basis and regulatory framework of spectrum management

OM2 - Spectrum engineering fundamentals

OM3 - Wireless telecommunication technologies

OM4 - Economic and market tools of spectrum management

OM5 - Strategic planning and policies for wireless innovation.

EM1.1: Spectrum monitoring

EM1.2: Enforcement and type approval of equipment

EM1.3: SM for satellite systems

EM1.4: SM for HF systems, science, maritime and amateur services

EM1.5: SM for aeronautical and radio determination services and military systems

EM1.6: Computer-aided spectrum management

EM2.1: (Legal Specialization): Advanced spectrum authorization regimes

EM2.2: (Legal Specialization): Socio-economic impact of spectrum regulation; competition and consumer protection

EM2.3: (Technical Specialization): Terrestrial TV broadcasting planning and digital transition

EM2.4: (Technical Specialization): Opportunistic spectrum access and cognitive radio.

SMTP SPECTRUM MANAGEMENT TRAINING PROGRAMME

AN ITU ACADEMY INITIATIVE

http://academy.itu.int

Next Steps

- Discussions with Universities on-going for possible partnership on the delivery of the SMTP
  - CINTEL
  - AFRALTI

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QoSTP

- Total of 13 Modules

- 11 modules have been developed and peer reviewed

- The module on Regulatory Aspects of QoS (OM5 and EM4.1) and the overview module (OM0) undergoing peer review

Modules for the QoSTP

- OM 0 Overview Module
- OM 1 Introduction - Quality of Service and Quality of Experience
- OM 2 Subjective assessment of voice quality
- OM 3 Objective assessment of voice quality
- OM 4 QoS and QoE for Multimedia and assessment methods
- OM 5 Regulatory Aspects of QoS
- EM 1.1 Telephonometry
- EM 1.2 Network Performance Measurement
- EM 1.3 OAM for Performance Measurement
- EM 2.1 Hands-free communication and user interfaces in vehicles
- EM 2.2 Traffic management
- EM 3.1 QoS for mobile services
- EM 3.2 Bitrate measurement of Internet connections

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QUALITY OF SERVICE TRAINING PROGRAMME

An ITU Academy Initiative

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ICT & Climate Change Training Programme (ICT&CCTP)

- Total of 21 modules Proposed
- Coordination team to oversee development of the materials has been set up
- Recruitment of experts to develop modules is On-going

Modules for ICT&CCTP

- OM: Overview Module.
- FM1:   Introduction to ICT & Climate Change.
- FM2:   Roles of Stakeholders in ICT & Climate Change.
- FM3:   Developing ICT Service Provider Strategies.
- FM4:   Assessing the Impact of ICT on Climate Change.
- FM5:   Applying Green ICT Strategies.
- FM6:   E-waste and the Circular Economy.
- AM1 1:   Climate Modelling
- AM 1.2:   The role of Satellite & Radio Communication in Environmental Modelling
- AM1.3:   Global/Regional Frameworks for GHG Emissions Reduction
- AM2.1   Policy Makers & Regulators
- AM2.2:   TSPs and IT Service Providers
- AM3.1:   Telecom Service Provider (TSP) Strategies
- AM3.2:   IT Service Provider Strategies (including Cloud Services)
- AM3.3:   Adaptation for Infrastructure Providers
- AM4.1:   How to carry out a full LCA
- AM4.2:   How to Assess the Carbon Footprints of Sectors, Countries and Regions
- AM5.1:   Improving the Energy Efficiency of ICT Products and Services
- AM5.2:   GHG reductions in the Power Sector
- AM5.3:   Decarbonising Transport
- AM5.4:   Smart & Sustainable Cities.
- AM6:   The End-of-Life Stage in Life Cycle Assessment

New Partnerships

ITU and UKTA

Agreement Signed in June for the delivery of a joint online Master of Communications Management

ITU and CTU

A Corporation Agreement between ITU and Czech Technical University (CTU) is to be signed for the delivery of the spectrum management training programme

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Challenges Experienced

1. Late commencement of implementation of training activities this year

2. Late submission of training documents to ITU for standardization and advertising of courses

3. The templates provided for preparation of documents not yet fully used and in some instances they are modified when used

4. CoE's not yet utilizing the ITU Academy for advertising of their courses fully

5. Implementation of online payments generated the following challenges:

Challenges Experienced

Issue	Region/s	Proposed/implemented Solution
Manual generation of invoices	Europe	Working on customizing the platform for automatic generation of invoices
Limited access to bank cards (credit cards and debit cards)	Africa, AMS	Provided an option for payment using bank transfers
Original invoices required which should not be more than 3 days when received. Scanned PDF invoices not accepted	CIS, ASP	ITU Regional coordinator issues the invoice manually using the template provided.
Payment of a course more than once by one participant. This is a result of the participant having been registered manually prior to payment.	AMS	The manual registration of participants should be only reserved for special cases and assessed on a case by case basis.
Difficulties to make international payment (too much time for bank transfers, tax too high, embargos, national restrictions on purchase of foreign currency …)	AMS, ARB, ASP, CIS, AFR	Payment to CoE's, ITU Reginal Office or UNDP. (temporary solution for countries where national legislation restricts payments, and are assessed on individual merits)
Automatic group invoices for companies	Europe	Solutions still being discussed with platform developer
Late requests for invoices (late advertising of courses). Since enrolment of courses is payment based, this delays payment and enrolment	CIS, ARB	Encourage CoE's to advertise for courses early to allow for smooth implementation of payment based enrolment

Discussion Issues

SC Role – To facilitate cooperation of the regional CoE's
- How can this role be achieved?
- How can ITU assist to intensify cooperation between the CoE's and across regions?

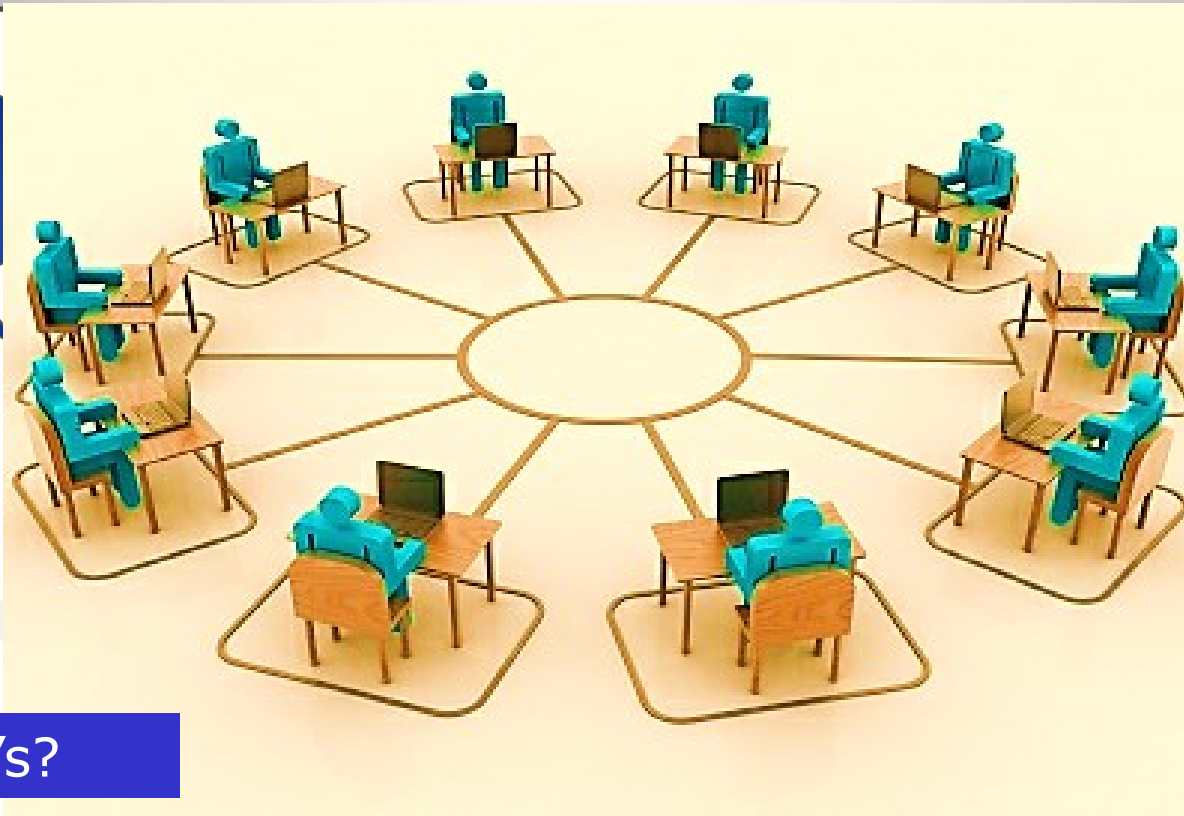
SC Role – To advice on operations of the CoE's
- Timelines on advertising of courses on the ITU Academy Platform
- Strategies to increase participation in CoE activities

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Capacity Development Symposium

A biennial event that brings together high level executives to discuss capacity building issues

When:
September 2016

Tentative Venue:
Kenya

Role of CoE's?

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THANK YOU!

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