Internet of Things
Capacity Building and Digital Skills

Annual Regional Human Capacity Building Workshop for Africa

“Developing the ICT ecosystem to harness IoT”

AGENDA

- INTRODUCTION
- CoE Strategy
- ITU Academy
- Conclusion

ITU HCB

- PTTs/Telcos around the world had their own national training centers in 1980's/1990's
- Reforms in the sector → liberalization, competition, etc. - Training Centre = cost centers
- Regional High Level Training Centre – ITU initiative

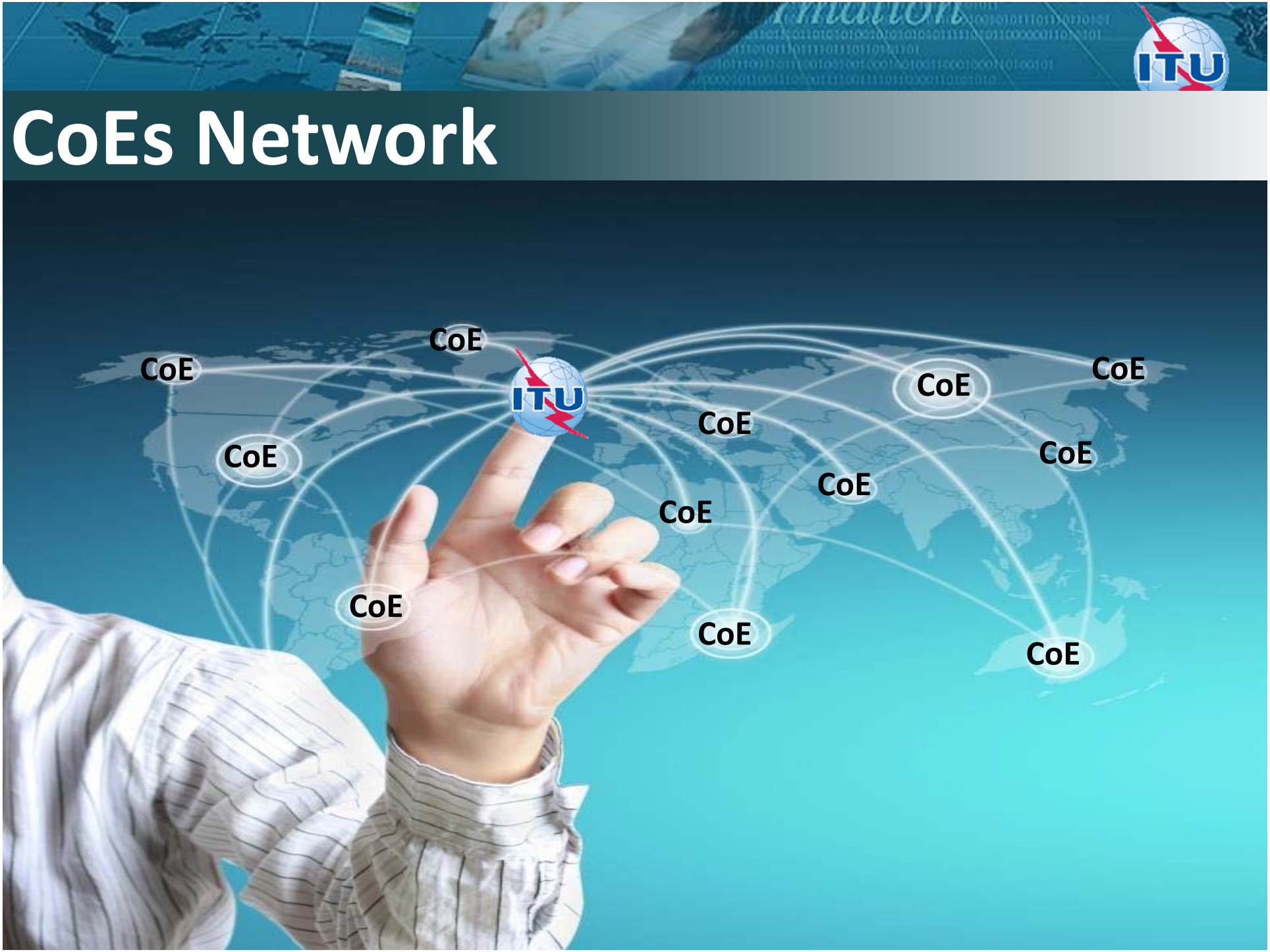
AFRALTI (Africa Advanced Level Training Telecommunicatins Institute)

ESMT (École Supérieure Multinationale des Télécommunications)

ITU HCB

- The CoEs initiative started operating in 2000, and evolved over the years to become one of the ITU's key training delivery mechanisms.
- This project-based initiative witnessed a growth in the number of Centres from two Centres in one region in 2000 to more than 60 Centres worldwide, running an average of 100 training activities per year
- For example, in 2012 alone, over 130 training interventions were organized for approximately 3000 participants.

CoEs Network



CoEs Strategy: Review

Why?
- Changing sector environment
- New capacity building responses

When?
- WTDC-10
- Resolution 73

What?
- New CoEs strategy
- Processes and procedures document

Excellence
Quality
Service
Efficiency
Reliability

New CoEs Strategy

THEMES

- Defined by WTDC-14
- 8 themes (including 4 regional)

VALIDITY

- During 4-years cycle
- In the end of the cycle status will expire

- Maximum 6 CoEs per region

NUMBER

- Maximum 2 areas per CoE

PRIORITY AREAS

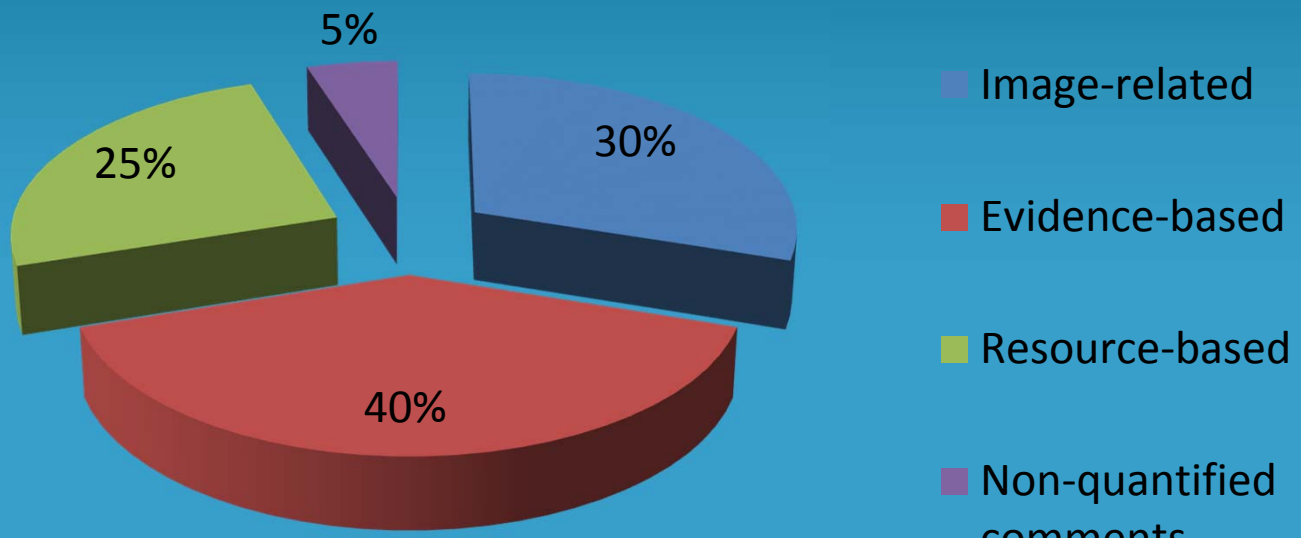
Application and Selection

HOW TO APPLY ?

Application and Selection: Criteria

IMAGE-RELATED	EVIDANCE-BASED	RESOURCE-BASED
Expertise, recognition and competence	Institutional quality and performance as a training institution	Proposal for implementation of CoEs activities

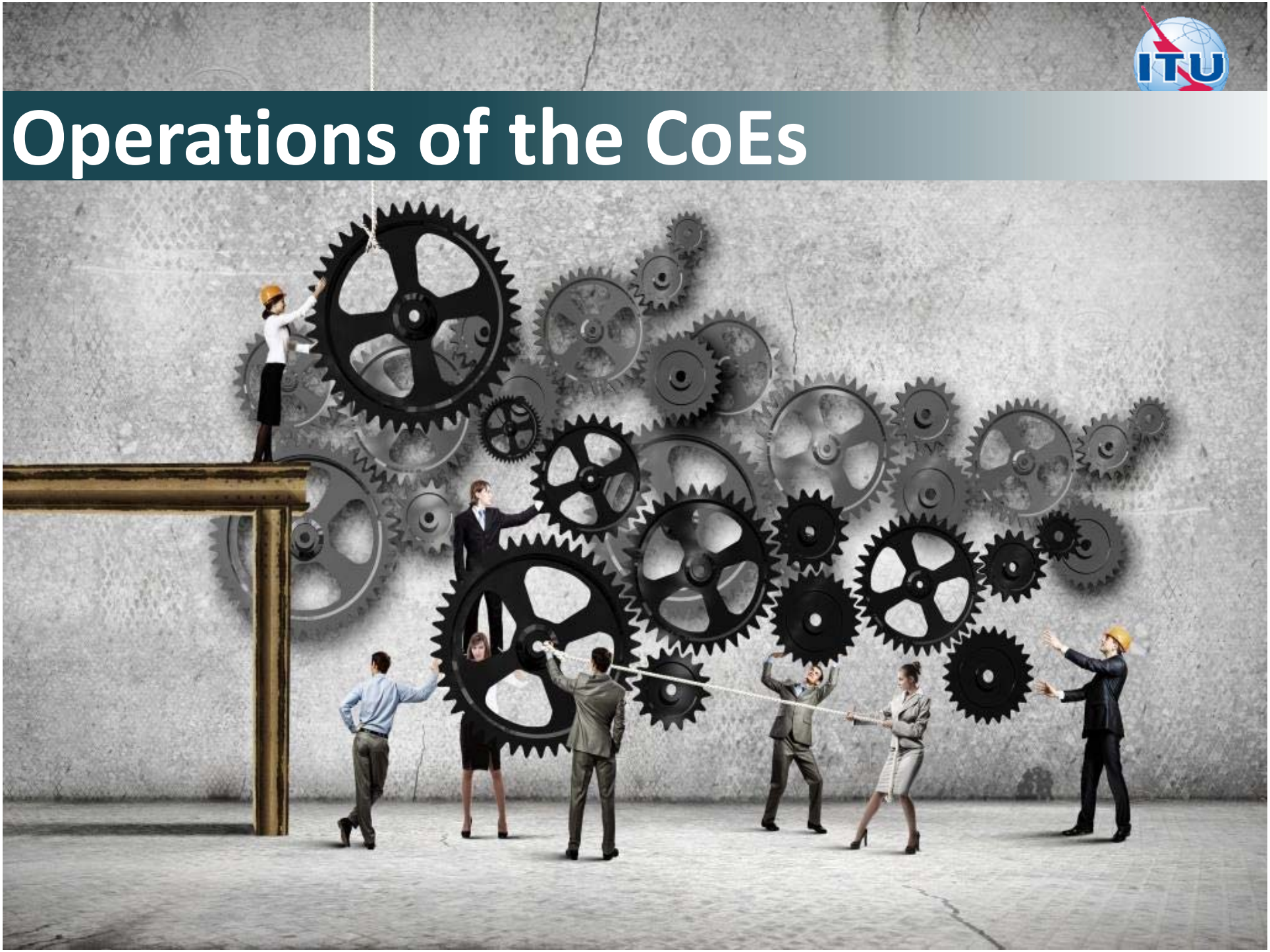
Application and Selection: Criteria



Application and Selection: Process

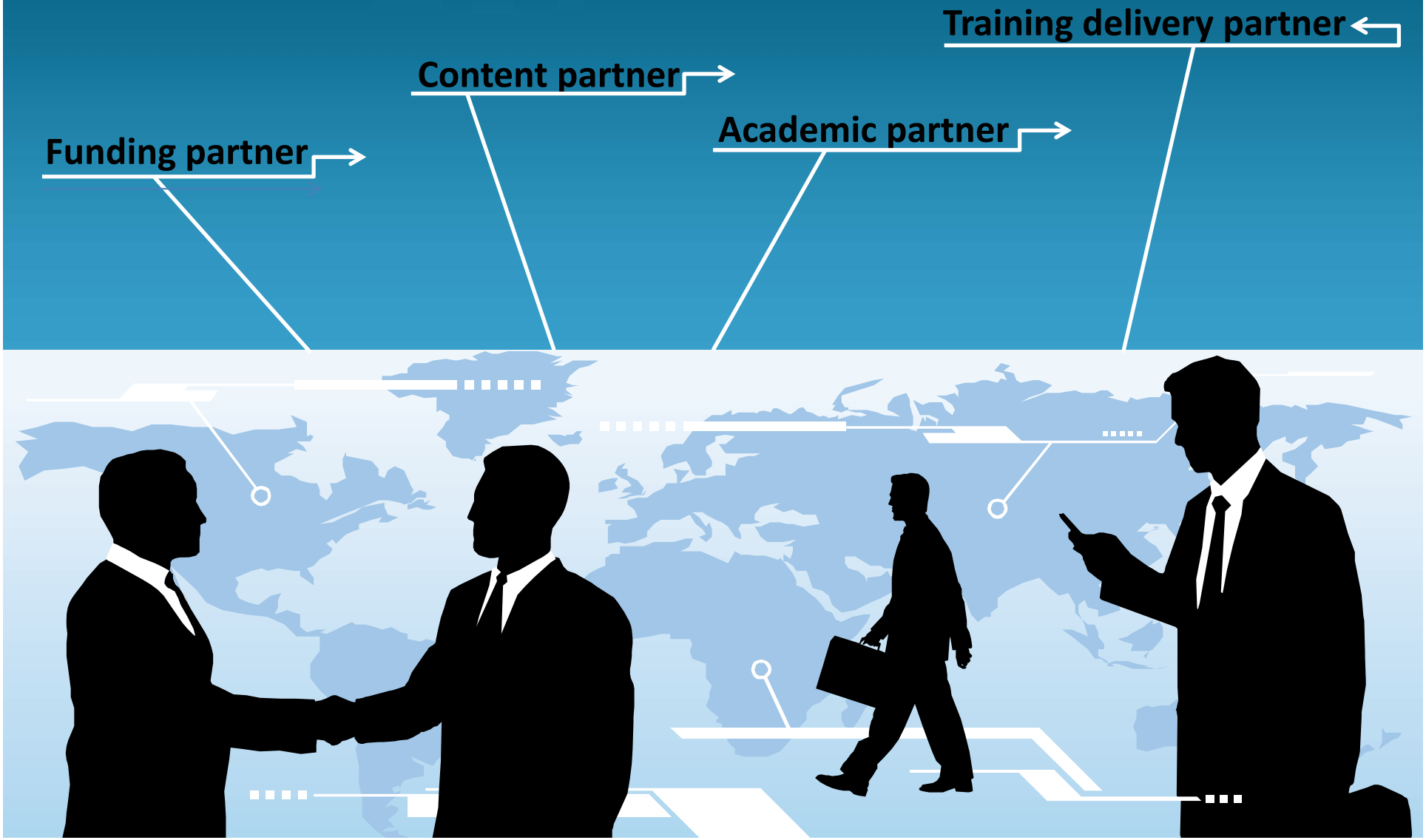
APPLICATION	• Invitation by the BDT Director after WTDC-14 • Endorsed submitted application form
EVALUATION	• Based on Processes and Procedures document by the ITU headquarters
SELECTION	• Considered by GCBI • Selected by the BDT Director • Endorsed by TDAG

Operations of the CoEs



Operations of the CoEs

Operations: Partnership



Partnership: Call for Partners

- Launching 4 weeks after selection of the CoEs
- Applying by filling a form
- Signing partner agreement

Training Delivery Through Partnerships

Some of our Partners

New Partnerships

ITU and AFRALTI

- Spectrum Management

ITU and ARCTEL

- Management for regulators in ICT

ITU and DIPLO

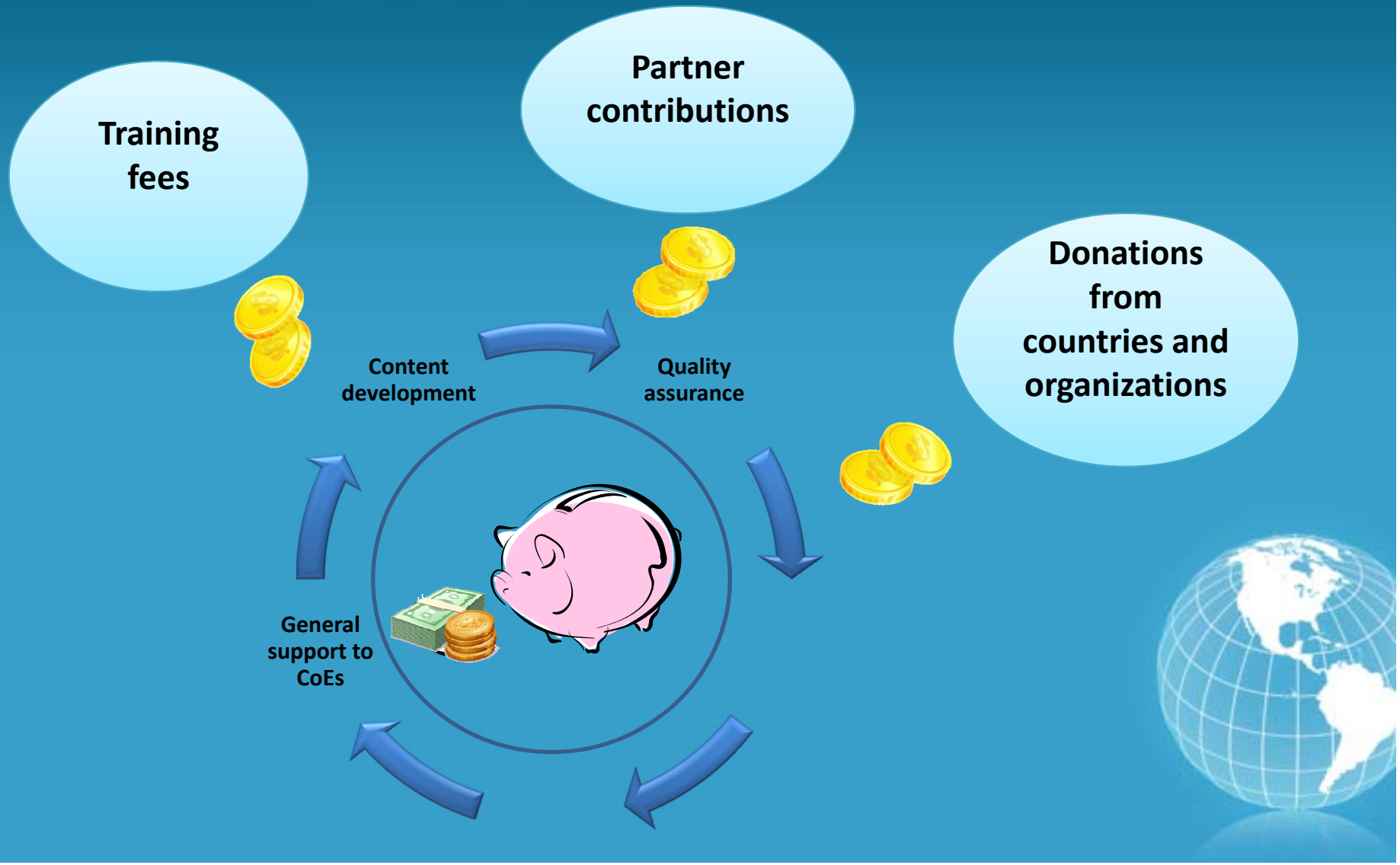
- Internet Governance

ITU and Cisco (Extension)

- IoT

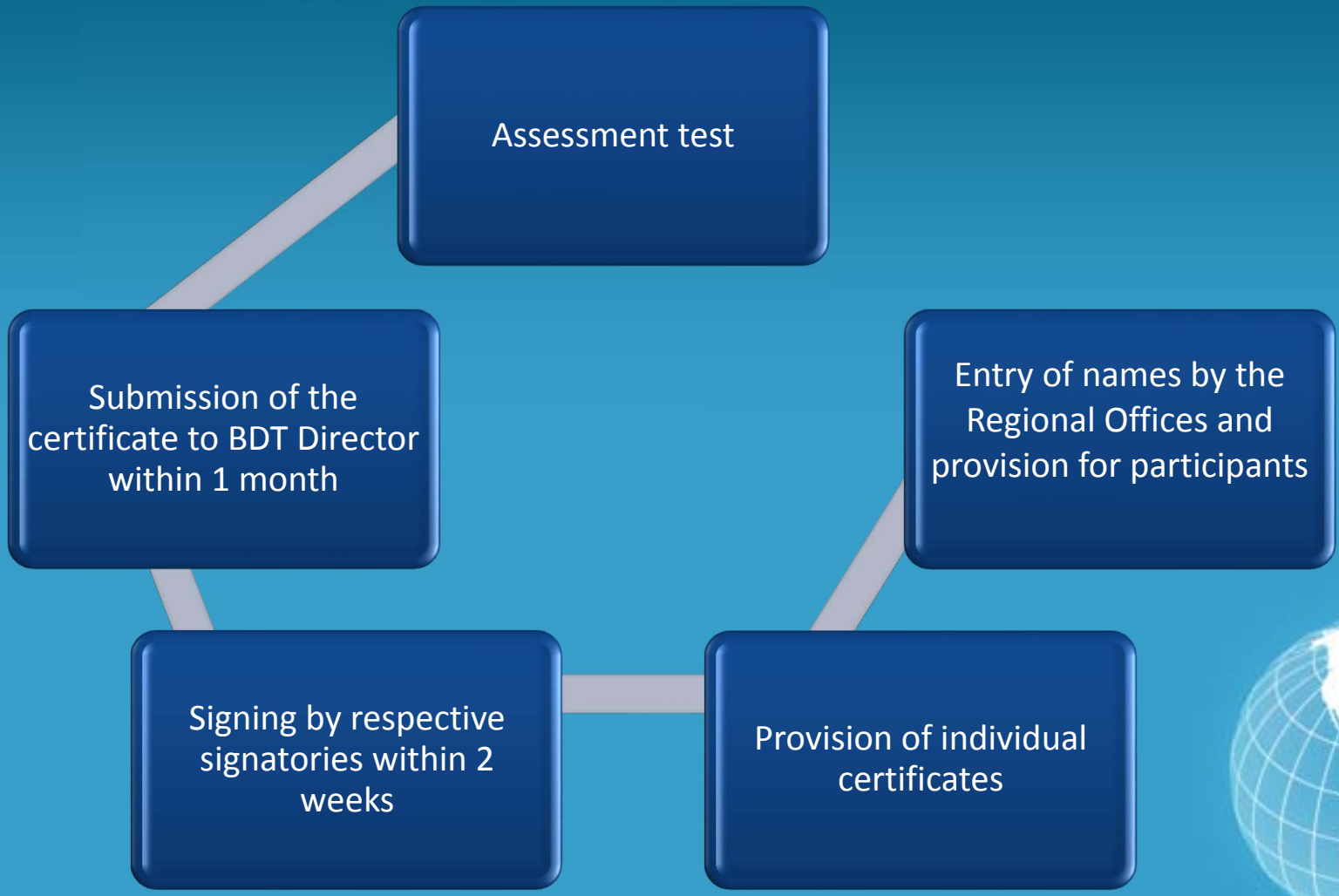
SMART AFRICA SCHOLARSHIP FUND

Operations: Fees and Funding



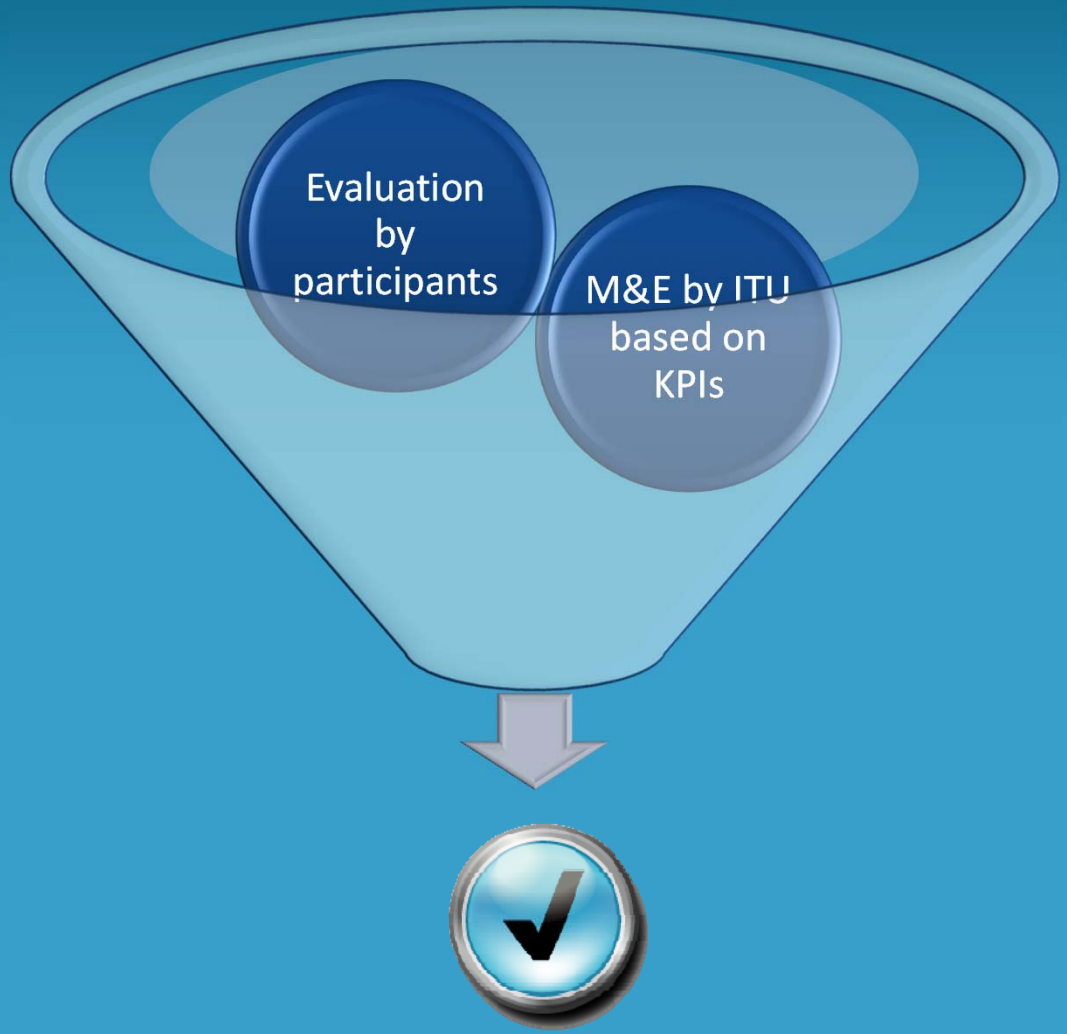
Operations: Awarding of Certificates

Operations: Awarding of Certificates

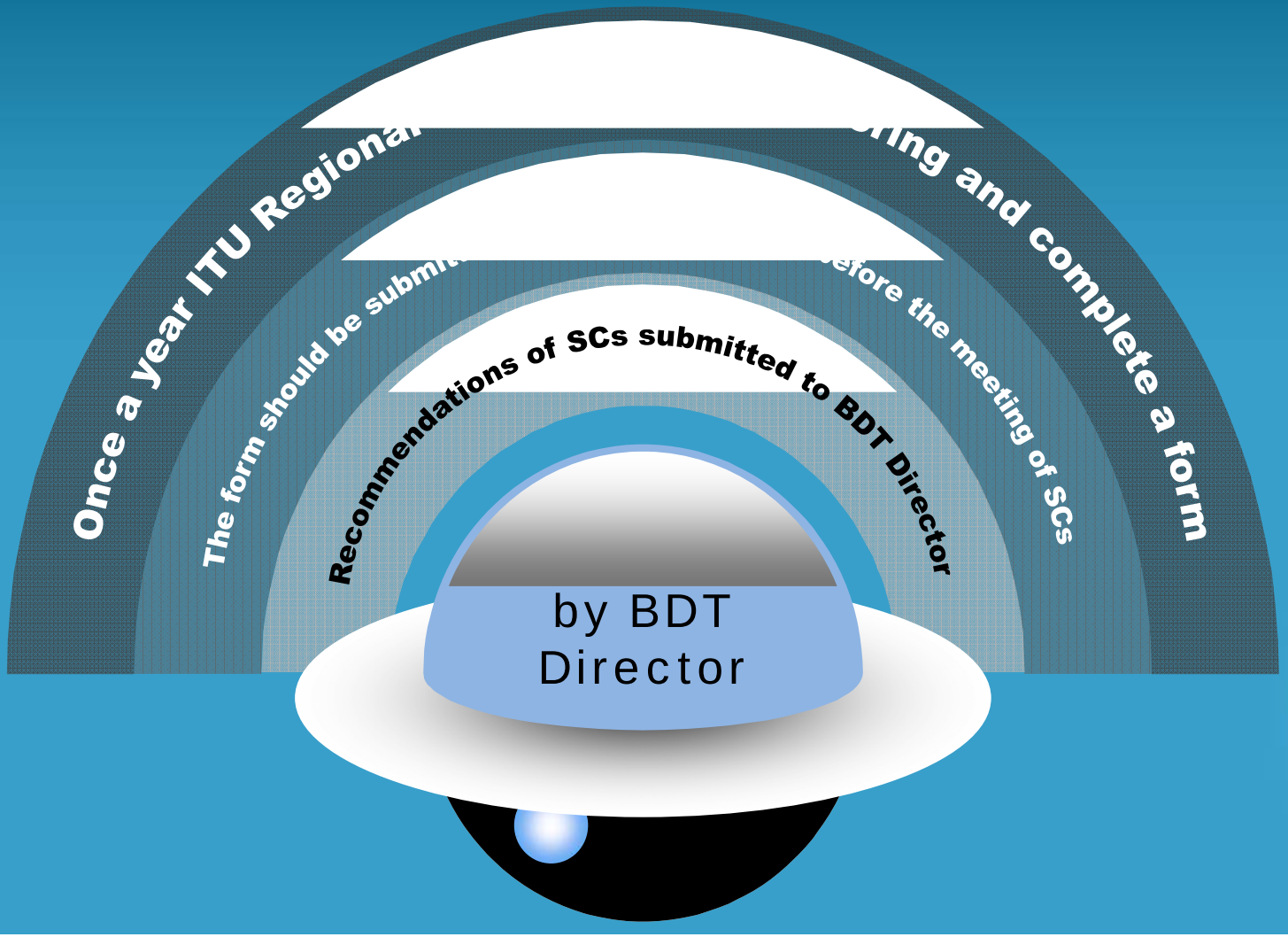


Monitoring and Evaluation

Monitoring and Evaluation: Process



Monitoring and Evaluation: CoEs



Monitoring and Evaluation: Workshop

Training process

Teaching staff

Report prepared by CoEs should be submitted to ITU Regional Offices

Governance

Governance: SC meetings

SC members announced 1 month after the CoEs selection

Annually rotating chairmanship

ITU is a secretariat

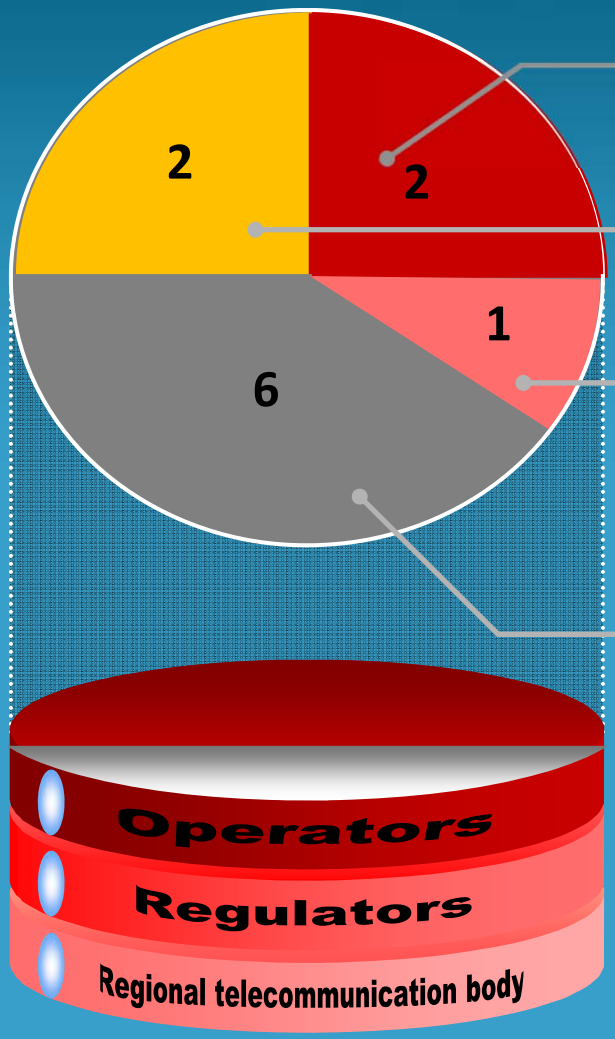
Meeting – 4th quarter of the year

Every meeting includes 2 parts:

- General
- Decision-making

Notice of the meeting shall be sent 2 months before the meeting.

Governance: Steering Committee



Regional representatives of GCBI

Additional representatives from the regional Member States

ITU

Representatives of Member States and Sector Members of the CoEs

Implementation Timeframe

Present CoEs continue functioning till 2015

Processes and Procedures document will be translated and sent before WTDC-14

After WTDC-14 topics will be selected and an invitation to apply will be sent

New WTDC cycle will implement the New Strategy

NEW CoEs STRATEGY

OPERATIONAL PROCESSES AND PROCEDURES

Human Capacity Building Division
PKM/BDT

Centers of Excellence
Selected for AFRICA Region for 2015-2016 according to WTDC-14 -Resolution

#	Priority Areas Recommended	Recommended Institutions	Country
1	**Policy and Regulation**	**Digital Bridge Institute(DBI)**	**Nigeria**
2	**Broadband Access & Digital Broadcasting**	**Ecole Supérieure Multinationale des Télécommunications (E.S.M.T)**	**Senegal**
3	**Cyber security**	**ESATIC**	**Ivory Coast**
4	**Cyber security**	**University of Rwanda, College of Science and Technology**	**Rwanda**
5	**ICT Applications and Services**	**Centre for Learning, Telkom SA**	**South Africa**
6	**Broadband Access & Spectrum Management**	**AFRALTI**	**Kenya**

ITU CENTRES OF EXCELLENCE AND ITU ACADEMY

A network of over 32 training Centres of Excellence operating across 8 global regions.

- They provide advanced-level technical and managerial programmes.

The benefits of ITU training delivery through Centres of Excellence include:

- Tutor-led courses via the ITU Academy;
- Access to ITU Academy training materials;
- ITU Academy as a medium for capacity-building of managers and engineers, but also other with inter-disciplinary interests in telecommunications/ICT

ITU ACADEMY

An overview of the ITU Academy and its role in developing and delivering the strategy for ICT human capacity-building

academy.itu.int

THE CONCEPT

- The ITU Academy has been established as the lead agent for all ITU human capacity-building activities
- ITU Academy responds to demands for knowledge and skills in ICT training, teaching and research.
- ITU Academy offers a wide and growing range of general and specialized courses on all aspects of telecommunications.

TARGET AUDIENCF

Principally, the programmes serve a varied audience:

- Policy-makers
- Telecommunications/ICT business managers and practitioners
- Government officials from Ministries of ICT and regulatory authorities
- Diplomats and representatives
- Students and teachers of telecommunications/ICT
- Civil Society

ITU Academy
empowering minds
Content repository
Delivery of training
Development of training
ITU- D
ITU- T
ITU- R
ITU Member States and Sector Members

ITU Academy
empowering minds

Home | News | Topics | Training & Events | Regional Activities | My Courses | FAQ | About Us

Home > Training & Events > Training & Events

ITU Academy - Training & Events

search... Search

Training & Events

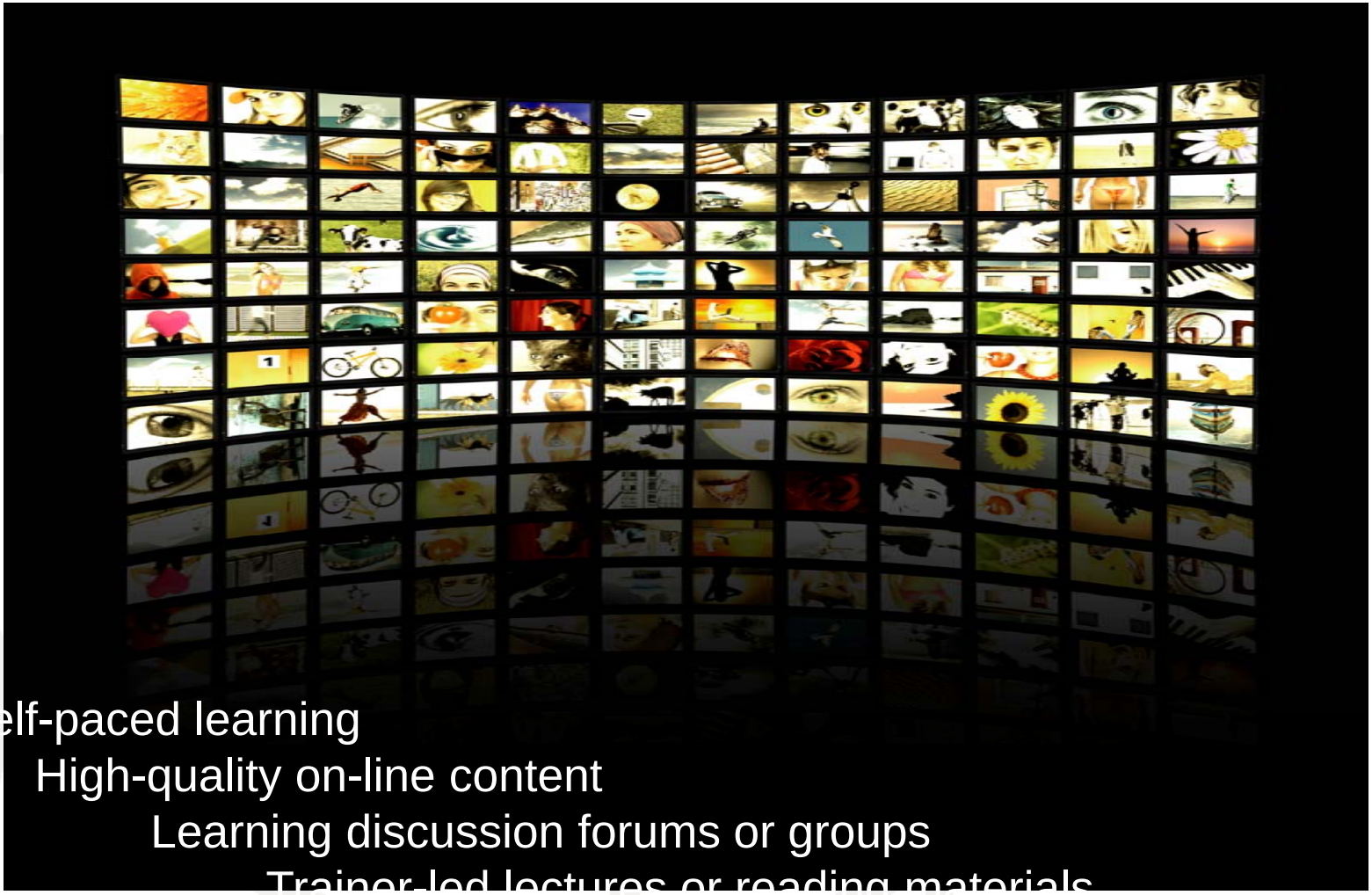
UPCOMING TRAINING & EVENTS | WORKSHOP | DISTANCE LEARNING | PAST TRAINING & EVENTS

Code	Title	Region	Country	Start Date
14WS13341AFE-E	Wireless Networking for Developing World(WNDW)	AFR	Kenya	27.10.14
14WS13346AFE-E	ICT Application Products and Services	AFR	South Africa	21.10.14
14WS13353AFR-F	Atelier de formation sur les communications par satellites pour les pays d'Afrique	AFR	Togo	08.09.14
14WS13802AFE-E	Workshop on satellites communication	AFR	Rwanda (Republic of)	01.09.14
14DL13347AFE-E	Broadband Ecosystem	AFR	South Africa	04.08.14
14WS13837ASP-E	Strategic Costing and Quad Play Planning	ASP	Thailand	28.07.14
14DL13786AMS-S	IPTV-OTT: fundamentos y panorama actual	MUL	ITU Academy	21.07.14
14WS13820ARB-E	Fundamentals of Cloud Computing	ARB	Morocco	16.07.14
14WS13652AFR-E	IPV6	AFR	Rwanda (Republic of)	14.07.14
14WS13836ASP-E	IPv6 Infrastructure Security (2014)	ASP	Thailand	30.06.14

SELECT LANGUAGE

Select Language

HIGHLIGHTS



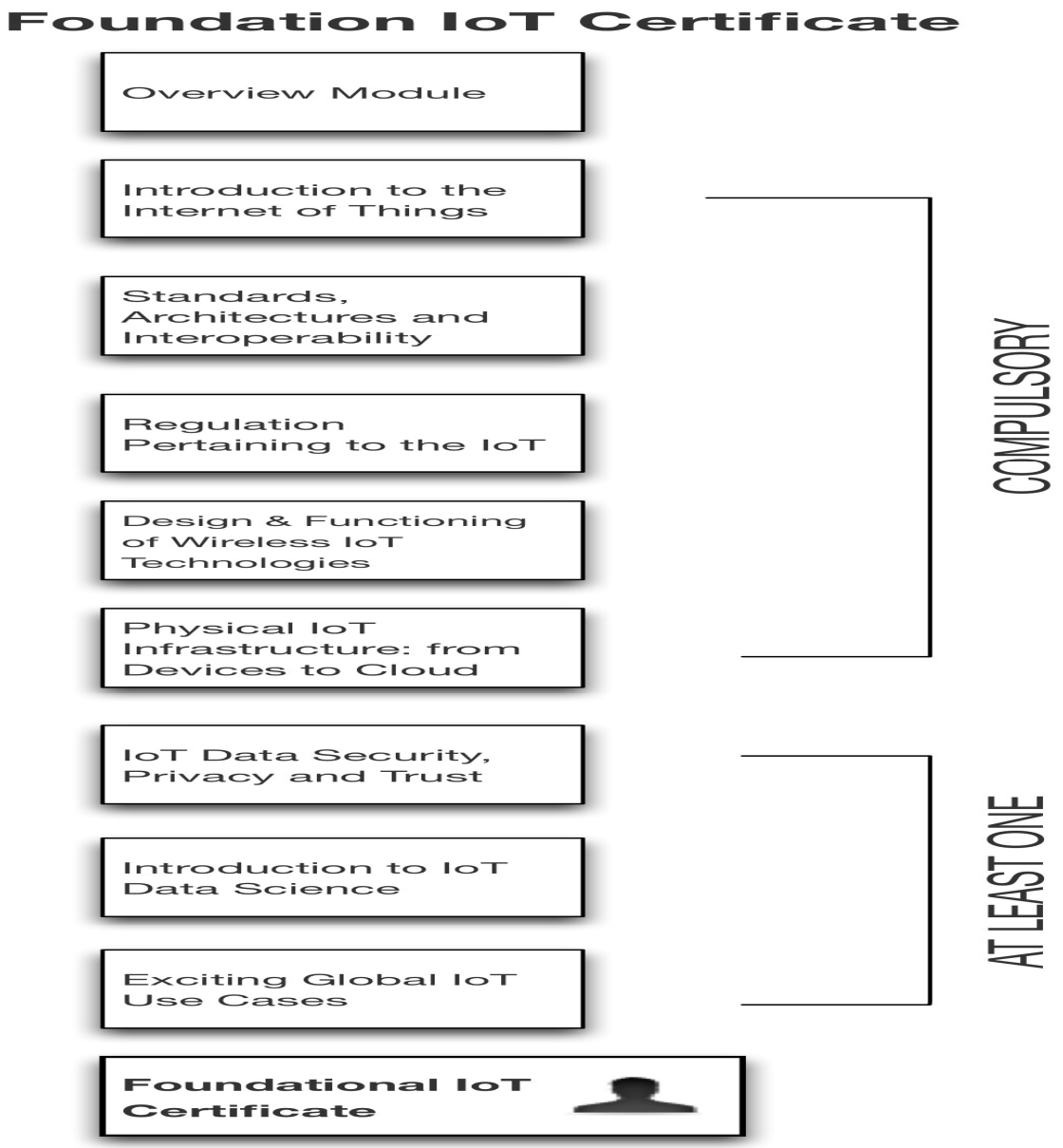
elf-paced learning

High-quality on-line content

Learning discussion forums or groups

Trainer-led lectures or reading materials

REPORT ON THE IOT TRAINING PROGRAMME (IOT TP)



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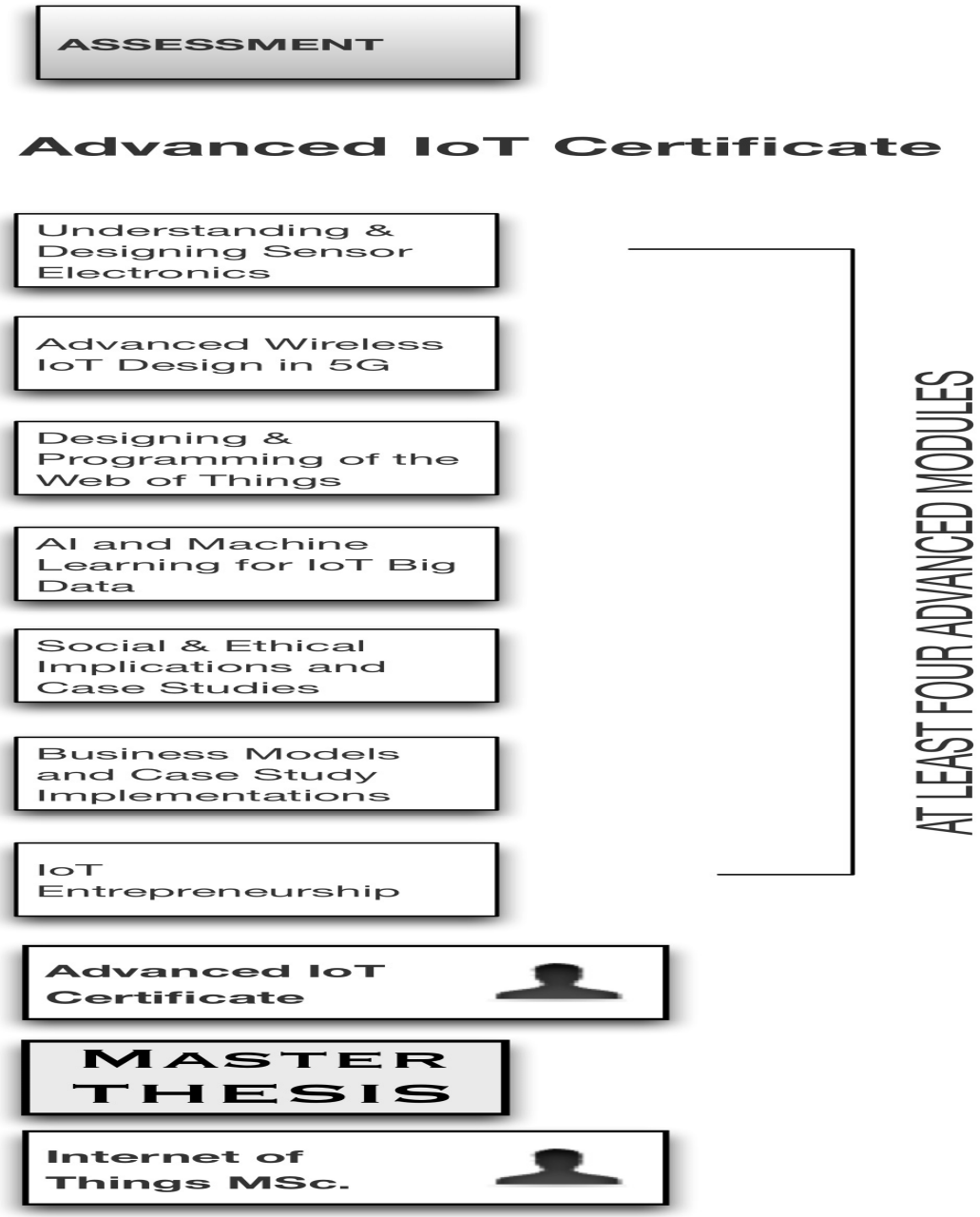

CONCLUSION

- CoE is meant to be regional – more local trainees that regional
- Content in the ITU Academy suitable for ONLINE and FACE-TO-FACE courses. In AFR few online
- Reviews ongoing to improve the next cycle.

THANK YOU!

http://academy.itu.int

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