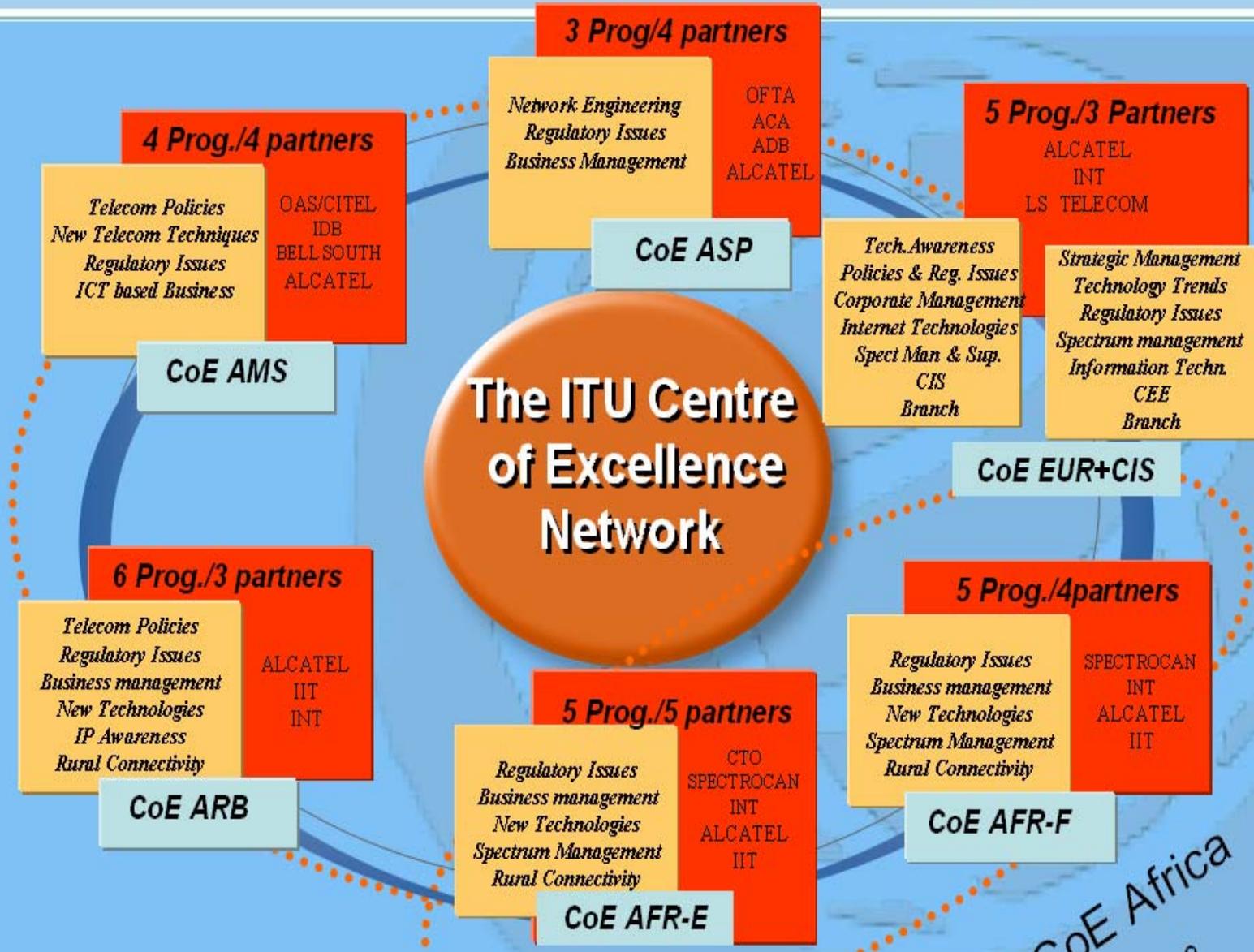


Migration of Excellence from ITU CoE to NBU Continuous Education Programs

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ITU CoE



CoE Africa

Centers of Excellence

Role and Objectives

❑ Target groups

- ❖ Policy makers
- ❖ National Regulatory Authorities
- ❖ Business experts

❑ Objectives of the Center of Excellence

- ❖ To establish a regional mechanism for strengthening the experts capacity of the region, to develop high-level know-how and expertise in electronic communications, regulatory matters, management and communications technologies
- ❖ To build *self-dependent and sustainable networks* for training providers offering advanced training facilities focused on sensitive issues of the communications sector of the region

Convergence of Main CoE Programs Worldwide

- ❑ CoE Programs rely on 5 major tracks
- ❖ **Regulatory Issues**
 - ✓ A limited number of issues with diversity of regional practices influenced by a growing harmonization on the regional level
- ❖ **Business Management**
 - ✓ Topics focused on the Operator skills with some subjects which address other Telecom player needs
- ❖ **Technology Awareness**
 - ✓ Broadband Services, Transitions towards NGN, Transitions towards 3G mobile networks, WiMAX, IP based Technologies
- ❖ **Spectrum Management**
 - ✓ Already implemented in most of the regions. An area where Experts are more familiar with cooperative practices
- ❖ **Broadband in Rural Areas**
 - ✓ Technical Innovation, Regulatory and Economical issues

CoE Cross-regional programs

❑ **Cross-regional electronic communication programs:**

- ❖ Buenos Aires (1995-1998)
- ❖ Valletta (1999-2002)
- ❖ Istanbul (2003-2006)
- ❖ Doha (2007-2010)

❑ **Programs coverage:**

- ❖ Regulatory
- ❖ Technology and Network Development
- ❖ Electronic services
- ❖ Economic and Finance Programs
- ❖ HR Development

NBU CoE IT Related Programs

NBU offers 5 different continuing education programs:

- Cisco Academy
- HP - Unix
- WEB DESIGN
- Informatics – school teacher
- Computer based book publishing and art design
- **The missing part is Telecommunications systems and technologies**

NBU Telecommunication Programs

- **B.S.**
 - Telecommunication system and technologies
 - Telecommunication management
 - Post and courier management
- **M.S.**
 - Telecommunication system and technologies
 - Radio communications and electronic media technologies
 - Telecommunication management
- **PhD**
 - Electronic communications
- **The missing part**
 - **No Post B.S. Professional Certificate Programs**
 - **No Post M.S. Professional Certificate Programs**

Our ITU Experience

Six years experience

2004

- Next Generation Networks
- Intelligent Networks
- Spectrum Management
- Technology Solutions for Next Generation Access Networks

2005

- International Notification and Coordination of Radio Communication Systems
- The EU Directives and the liberalized Telecommunications market
- IPv6 Services
- Utilization of the ITU Spectrum Management databases

2006

- National Spectrum Management Practices
- NGN core and access technology, economical and regulatory aspects
- National Spectrum Management Practices

2007

- National Spectrum Management Practices - *Caribbean Region*
- NGN core and access technology, economical and regulatory aspects

2008

- Broadband Communications and Access Networks

2009

- Utilization of SM Training tools and Digital Libraries for Enhanced Learning

ITU Course Features

- Each one ITU course is designed for:
 - 6 weeks self organized education (*real course duration is often extended up to 2 months*)
- Students examination and certification aspects:
 - After each learning module participants take quiz
 - During each week students must participate in discussions and surveys
 - After completing course student must take final test that includes learning material from all 6 modules
 - Student must achieve 50% or above to gain certificate
 - ITU certificates do not carry university continuing education credits

How to adapt ITU courses to NBU continuing education program

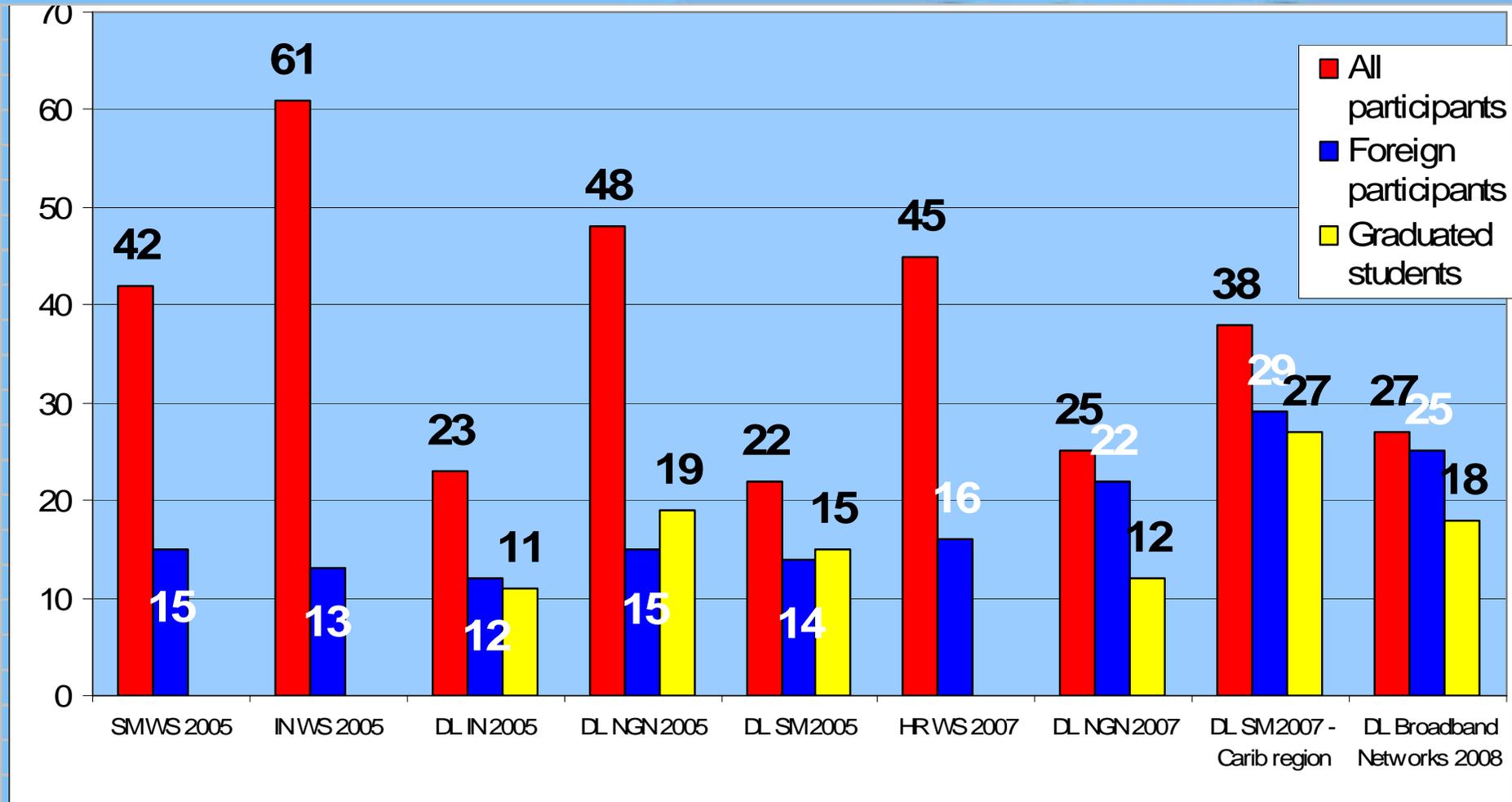
- Course content modification needs:
 - ITU 6 learning modules to 15 lectures (30 hours)
 - Examination 6 tests + final test to 2 tests + final proctored examination
- Student entrance level selection and content adaptation for next 3 levels:
 - **Beginner** for post B.S. certification program
 - **Intermediate** for post M.S. certification program
 - **Advanced** for PhD or experts
- Content addition and modernization (first ITU course starts at 2004 - NGN)

How to adapt ITU Face to Face workshops to NBU CE_p

- Standard course duration
 - Academic *30 hours 3 CE_p credits*
 - ITU *6 weeks self organization 3 CE_p credits*
- Face to face education
 - Academic *1 week 6 hours per day (30 hours)*
 - ITU *1, 2 or 3 days 10 hours per day (10-30 hours)*
- Final examination procedures
 - Academic *proctored examination finishing with single course certificate or CE_p program graduation*
 - ITU *certificate is graded for participation in single workshop, there is no evaluation or examination*

Distance Learning Courses

Participants in Bulgaria 2005-2008



The End

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