Seminar on Standardization of NGN and ICT Services Development
5-7 July 2005
Tashkent, Uzbekistan

ITU/BDT Role and Activities
in the Europe and CIS Region

Presented by V Calindi

International Telecommunication Union

The ITU in 1865

| Danemark | Bavière | Norvège | Wurtemberg | Belgique | Portugal | Secrétaire | Suisse | Bade | Turquie | Prusse | Italie | Grèce | Secrétaire | Espagne |

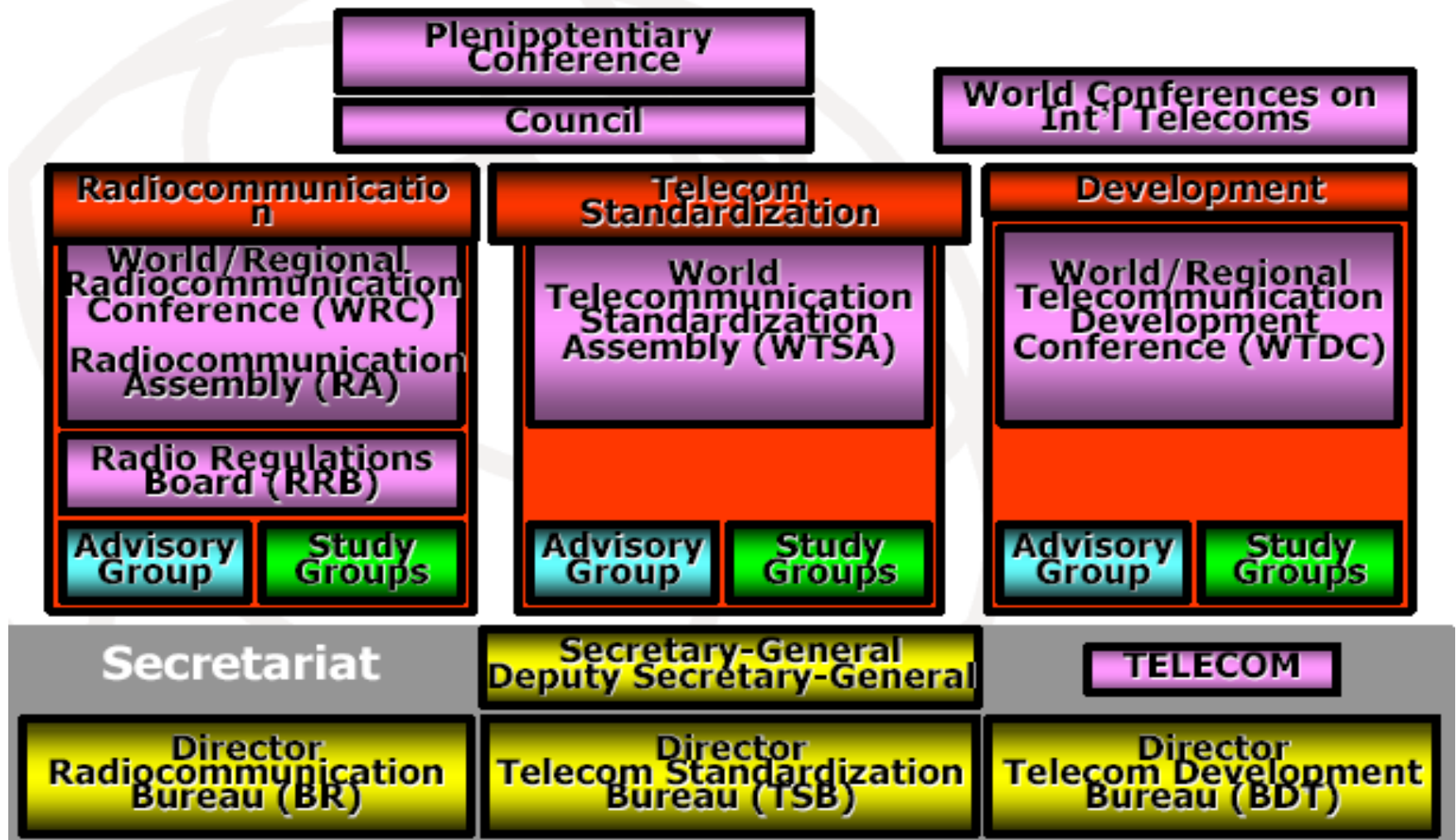| Pays-Bas | Bavière | Hanovre | France | | Belgique | | France | | Suède | | Espagne | | | Russie | | Autriche |

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International Telecommunication Union (ITU)

- UN Specialized Agency for telecommunications
- Pioneer of inter-governmental organizations
- Established in 1865 and part of the UN family since 1947
- Global organization with broad membership
  - 189 Member States and
  - 600+ sector members
- Around 700 staff and 83 nationalities
- Triple global mandate

ITU Structure

Network of ITU Field Offices

ASIA & PACIFIC

BANGKOK

Jakarta

ARAB STATES

CAIRO

Moscow

EUROPE & CIS

GENEVA

AFRICA

ADDIS ABABA

Dakar

Harare

Yaounde

AMERICAS

BRASILIA

Bridgetown

Santiago

Tegucigalpa

ITU — International Telecommunication Union
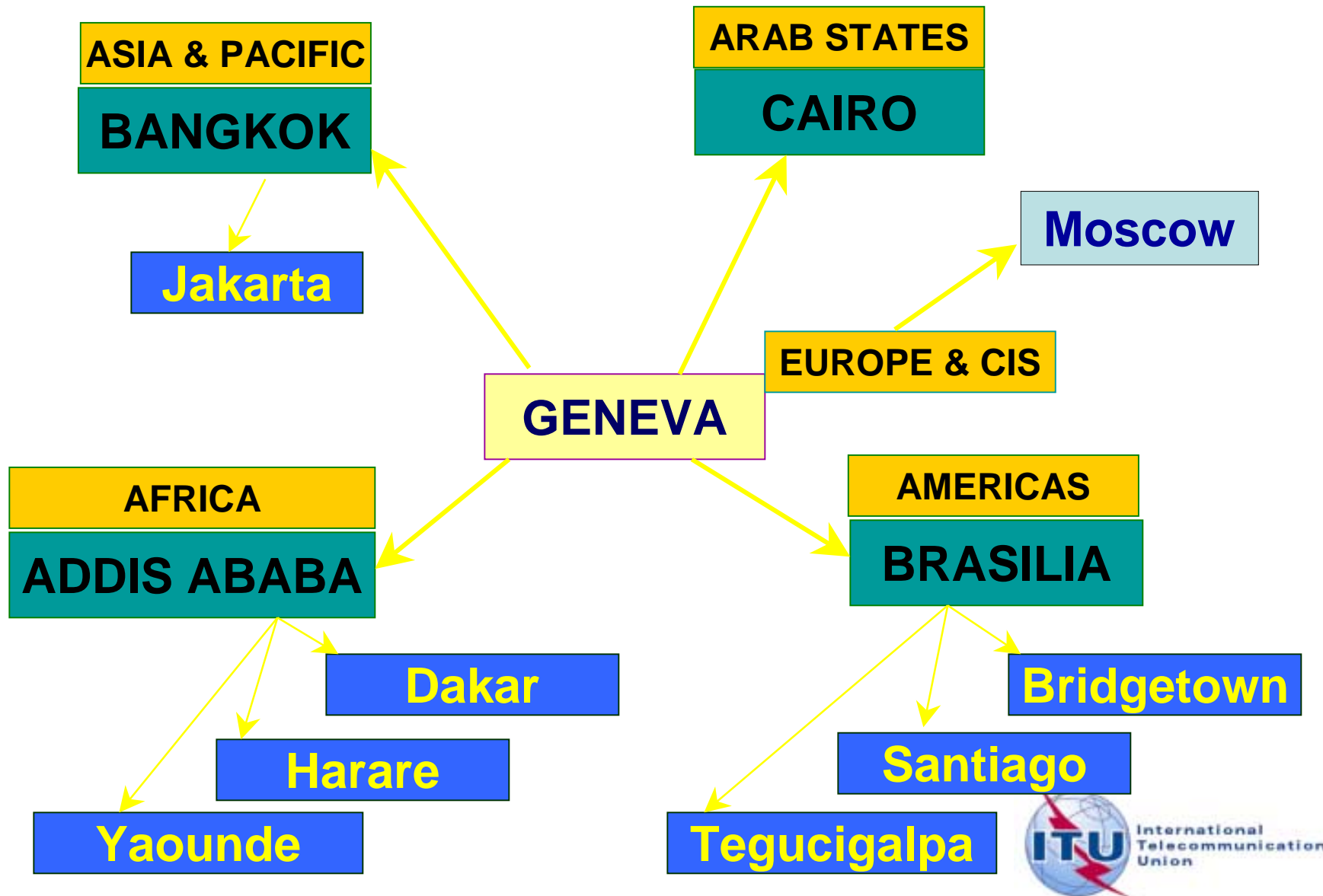
ITU Development Sector

Programme of Cooperation among members in the Telecom Development Sector

- Study Groups
- TDAG
- Regional Conferences
- WTDC

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ITU-D Action Plans

The world's only cross-regional telecommunication development programmes defined by WTDCs every four years
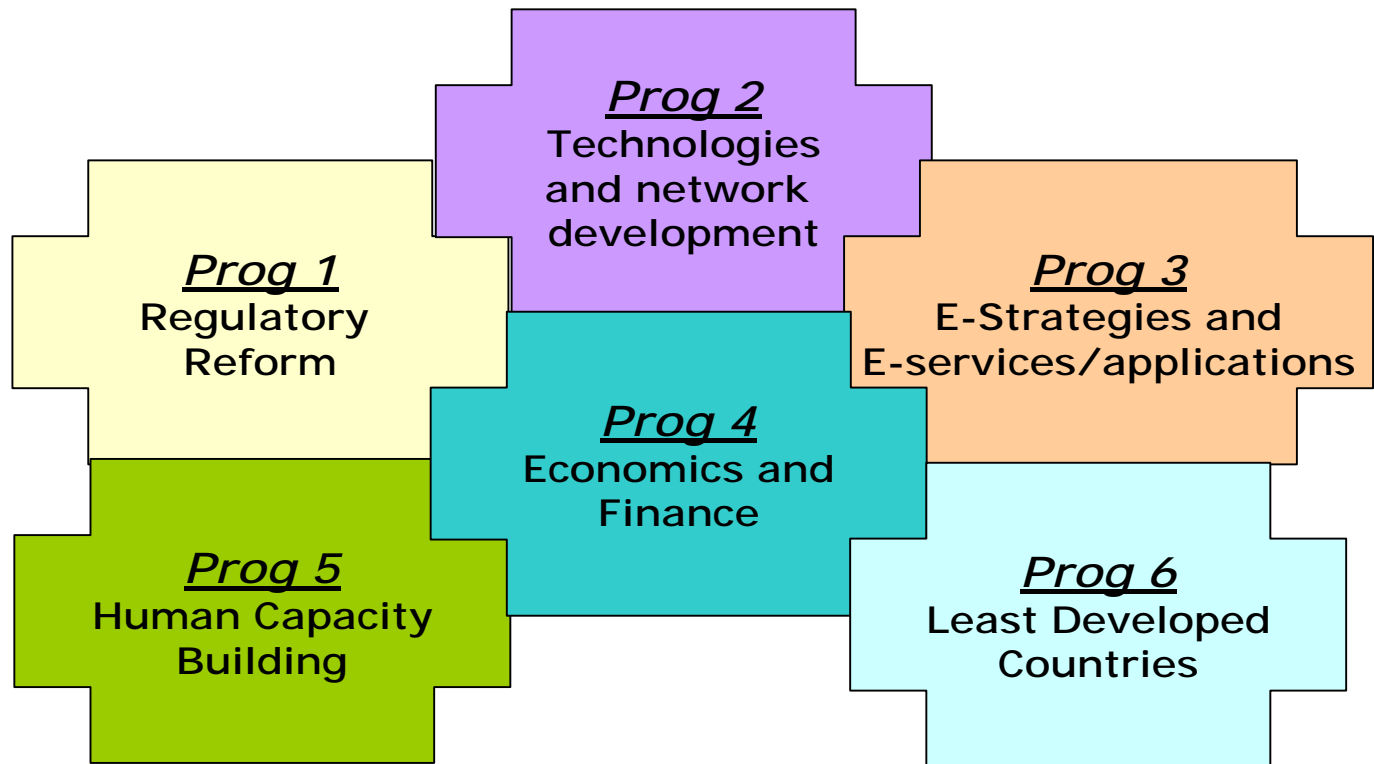
1. Buenos Aires Action Plan (1995-1998)
2. Valletta Action Plan (1999-2002)
3. Istanbul Action Plan (2003-2006)
4. Doha Action Plan (2007-2010)

WTDC-02 Results

- **Istanbul Declaration**
- **ITU-D Strategic Plan**
- **Istanbul Action Plan (IsAP)**
  - IsAP Development Actions
  - 6 Programmes, 2 Activities & 4 Special Initiatives
  - International Cooperation & Regional Initiatives (eg., RCC, CEPT, EC)
  - 38 Resolutions and 5 Recommendations including:
    - Res. 30 Role of ITU-D in WSIS preparation
    - Res. 37 Role of ITU-D in bridging Digital Divide

Istanbul Action Plan (IsAP)
SIX PROGRAMMES

Prog 2
Technologies and network development

Prog 1
Regulatory Reform

Prog 3
E-Strategies and E-services/applications

Prog 4
Economics and Finance

Prog 5
Human Capacity Building

Prog 6
Least Developed Countries

Regulatory Reform Programme

- Providing practical solutions to enable effective regulation in ITU Member States

- Creating tools for effective regulation (reports/studies and guidelines)

- Creating training materials/opportunities (GSR and regional seminars/workshops)

- Creating Regulatory Database, online regulatory library (T-REG) and online exchange of best practices for regulators and policy makers (G-REX)

Regulatory Reform Programme
Activities in the Europe and CIS

- Lithuania licensing case study and Denmark case study on interconnection and dispute resolution

- Regional Workshop on Costs, Tariffs and Universal Service

- Regional Meeting on Fair Competition and Interconnection

- Regional Workshop and interactive (e-learning) course on Dispute Resolution

- Workshop on rural access to telecommunications

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Technologies and Network Development Programme

- Transferring knowledge on Network Planning, Mobile Communication, Digital Terrestrial Broadcasting and Spectrum Management

- Creating of tools for network planning and spectrum management

- Transition to digital planning strategies and tools for evolving network architectures to (NGN) and applications, including mobile and Broadband Wireless Access (BWA)

- Migration/evolution process from 2G to 3G mobile networks

- Digital Terrestrial Television Broadcasting and migration from A to D

- Creating and developing of technology-oriented training materials and opportunities

- Providing technical and other assistance to the countries

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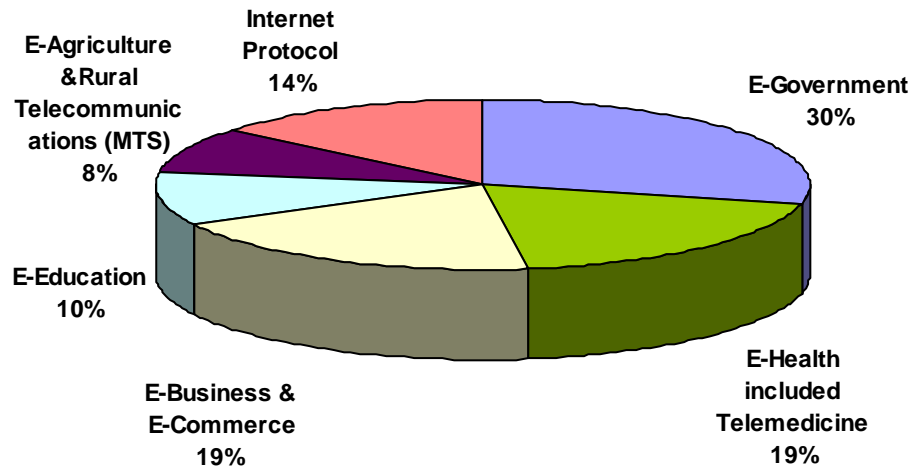# Technologies and Network Development Programme Activities in the Europe and CIS

- Seminar on Network Evolution dealing with new applications in the fixed and mobile networks

- Workshop on Next Generation Networks: What, When and How?

- ITU & ITC Workshop on Network Planning for Developing Countries

- Regional Seminar on Network Planning for Evolving Network Architectures

- Seminar on IMT-2000

- Regional Seminar on Network Evolution to NGN and Fixed Mobile Convergence

- ITU/EBU Workshop on Digital Broadcasting

- Regional Workshop on Planning of Digital terrestrial TV networks in relation to RRC-06

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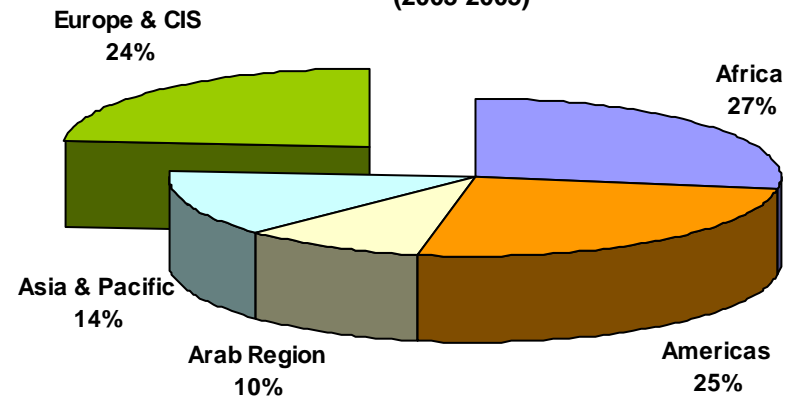# E-Strategies and E-Services/applications Programme

- Internet Protocol (IP) networks and services

- E-applications and Services

- E-security and confidence in public networks

- Multipurpose Community Telecentres (MCTs) and Multi-Purpose Platforms (MPPs)

- ICT literacy and increased public awareness

- Establishment of a favourable legal environment for E-applications

E-Strategies and E-Services/applications Programme

Main Activities 2003-2005

- Internet Protocol 14%
- E-Agriculture &Rural Telecommunications (MTS) 8%
- E-Education 10%
- E-Business & E-Commerce 19%
- E-Government 30%
- E-Health included Telemedicine 19%

Percentage of number of Countries per Region (2003-2005)

- Europe & CIS 24%
- Asia & Pacific 14%
- Arab Region 10%
- Africa 27%
- Americas 25%

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E-Strategies and E-Services/applications Programme Activities in the Europe and CIS
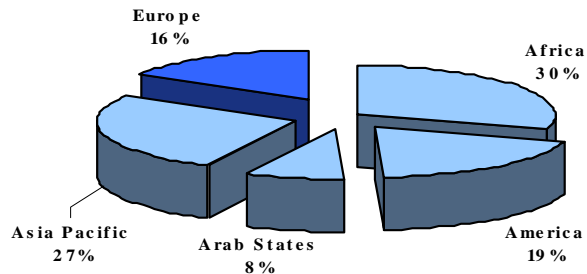
- **Implementation of E-Applications and Infrastructure Projects**
  - E-government in: Azerbaijan, Bosnia and Herzegovina, Bulgaria, Georgia, Kyrgyz Republic and Uzbekistan
  - E-agriculture in Kyrgyz Republic
  - E-health in Turkey
  - MCT in Romania
- **Assistance in Policies, Strategies and E-legislation**
  - Regional IP Symposium
  - Seminar on Standardization and ICT Development for the Information Society

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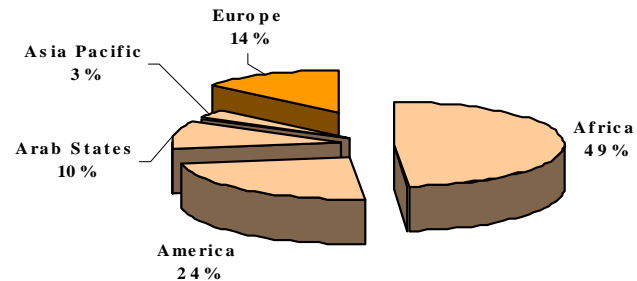# Economies and Finance including Costs and Tariffs Programme

- Research and development of models regarding the evolution of the telecommunication environment (COSITU)

- Assistance to Member States and/or Sector Members in order to disseminate the results obtained by means of seminars, workshops and direct assistance

- Development of databases with economic and financial information, updated data on country tariff policies, financial Institutions/private sources for financing and investment in telecommunication and ICT development

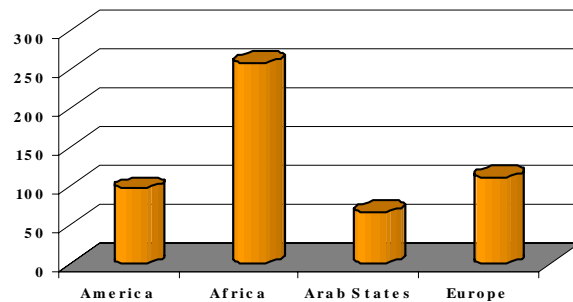# Economies and Finance including Costs and Tariffs Programme
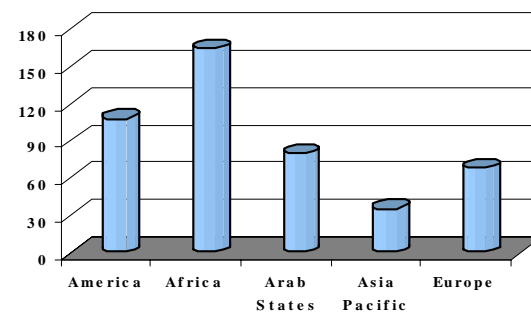

Number of events by region in 2003

Europe 16%
Africa 30%
Asia Pacific 27%
Arab States 8%
America 19%

Number of events by region in 2004

Europe 14%
Asia Pacific 3%
Arab States 10%
Africa 49%
America 24%

Number of participants by region 2003

America, Africa, Arab States, Europe

Number of participants by region 2004

America, Africa, Arab States, Asia Pacific, Europe

Economies and Finance including Costs and Tariffs Programme
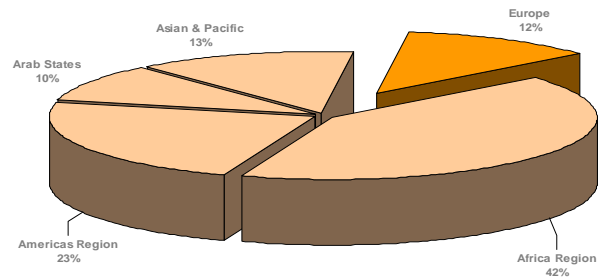## Activities in the Europe and CIS

- Macroeconomic study on financing telecommunication development in Albania

- Regional Workshop on Cost, Tariffs and Universal Services

- Two Seminars on Economic & Market Analysis

- Workshop on COSITU

- Assistance on Market Analysis for Romania

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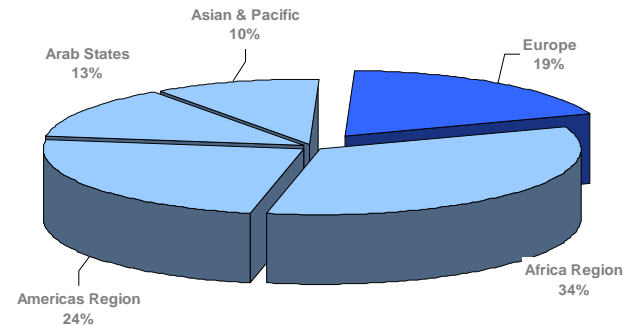
Human Capacity Building Programme

- **Transferring knowledge through training (Centers of Excellence and on-line courses)**

- **Sharing experience and know-how**

- **Assisting the Members to strengthen their human resources and training functions**

- **Disseminating information as well as coordinating special projects and initiatives in human capacity building (Internet Training Centre Initiative – ITCI with Cisco Systems)**
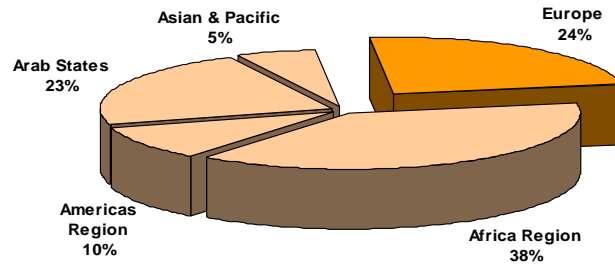
Human Capacity Building Programme

Participants by region 2003 to 2005 (total: 14,481)
- Europe 12%
- Asian & Pacific 13%
- Arab States 10%
- Americas Region 23%
- Africa Region 42%

Courses by region 2003 to 2005 (total: 471)
- Asian & Pacific 10%
- Arab States 13%
- Europe 19%
- Americas Region 24%
- Africa Region 34%

EUR & CIS: Face to Face participants 2003-2004
- Europe 24%
- Asian & Pacific 5%
- Arab States 23%
- Americas Region 10%
- Africa Region 38%

EUR & CIS: On-line participants 2003-2004
- Arab States 11%
- Asian & Pacific 3%
- Europe 16%
- Americas Region 65%
- Africa Region 5%

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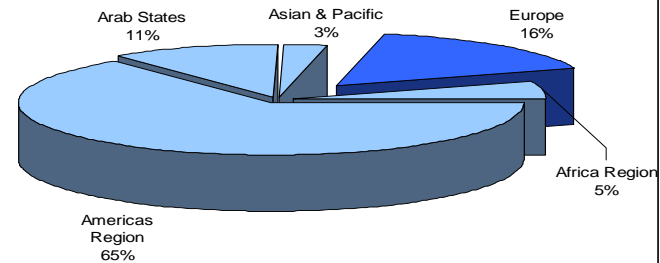
Human Capacity Building Programme
Activities in the Europe and CIS
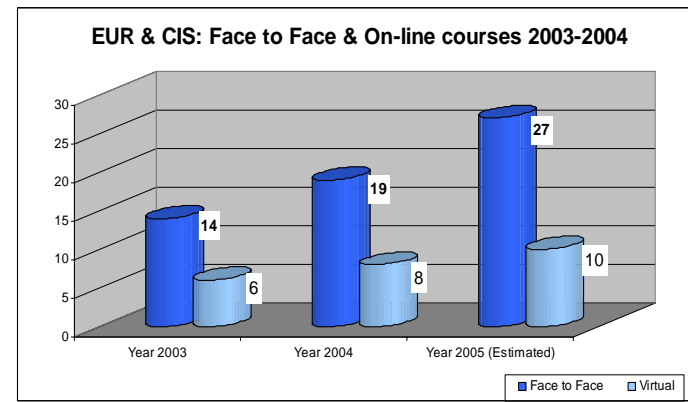
- 8 Internet Training Centres (Ukraine, Bulgaria, Kyrgyzstan, Romania, Bosnia & Herzegovina, Poland, Turkey and Serbia & Montenegro)

- Center of Excellence for Europe and CIS (English and Russian-speaking branches) organized 29 events

- Workshop on Change Management

- Two Workshops on Strategic Management

- Workshop on Aligning Human Resources on organizational changes

Human Capacity Building Programme
Activities in the Europe and CIS

EUR & CIS: Trained participants 2003 -2004

Year 2003: 734
Year 2004: 1011
Year 2005 (Estimated): 1370

EUR & CIS: Courses organized 2003 -2004

Year 2004: 25
Year 2004: 27
Year 2005 (Estimated): 37

EUR & CIS: Face to Face & On-line trained participants 2003 -2004

Year 2003: Face to Face 554, Virtual 180
Year 2004: Face to Face 779, Virtual 240
Year 2005 (Estimated): Face to Face 1050, Virtual 300

EUR & CIS: Face to Face & On-line courses 2003-2004

Year 2003: Face to Face 14, Virtual 6
Year 2004: Face to Face 19, Virtual 8
Year 2005 (Estimated): Face to Face 27, Virtual 10

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Special Programme for the Least Developed Countries (LDCs)

Assistance to the world's 49 poorest countries otherwise defined by the United Nations General Assembly as the least developed countries (LDCs) in:

- The development of rural telecommunications

- Development of infrastructure and introduction of new technologies and services

- Sector restructuring

- Human resources development/management

- Financing and partnerships

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Istanbul Action Plan (IsAP) ACTIVITIES & SPECIAL INITIATIVES

- **Two Activities**
  - Statistics and Information on Telecommunication/ICT
  - Partnerships and Promotion
- **Four Special Initiatives**
  - Private Sector
  - Gender issues
  - Youth
  - Indigenous people issues

ACTIVITIES
Statistics and Information on Telecommunication/ICT

- Maintain global leadership as the prime source of international telecom/ICT indicators and to produce global, regional and national reports

- Collection of over 100 telecommunication/ICT indicators

- Yearbook of Statistics, electronic database (World Telecommunication Indicators), World Telecommunication/ICT Indicators meetings and global indicators workshop on community access, Indicators Handbook (ITU 2005), World Telecommunication Development Report, Regional development indicators reports, case studies, etc.

ACTIVITIES
Partnerships and Promotion

- Development of multiple partnerships with Ministries, Government agencies, Regional and International organizations, operators and service providers, equipment manufacturers and technology suppliers, Universities and Training Institutes, financial institutions, etc.

- 9 Cooperation Agreements signed between ITU and Europe and CIS Multi-stakeholders (European Commission, Government of the Russian Federation, Ministry of Foreign Affairs and National Institute of Telecommunication of France, Swisscom SA, Bulgarian institutions, Czech Republic, etc.)

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SPECIAL INITIATIVES
Private Sector

- The Europe and CIS region remains the most important region of ITU-D membership with 78 sector-members at the end of May 2005

- The organization, in November 2003 and 2004, of the Regional Working Group on Private Sector Issues for Europe and CIS and the development of partnerships for regional and national ICT projects are expected to create new opportunities for ITU-D sector membership in the region and in particular in Eastern and Southern Europe as well as in CIS countries

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SPECIAL INITIATIVES
Gender issues and Youth initiatives

- Promoting access to, and use of, ICTs by women, men and the youth

- Working with developing countries and countries in transition and with the Working Group on Gender Issues, BDT had assisted in the establishment of telecenters and training programmes that target women

- Youth activities have attracted high level of interest from the private sector, and Alcatel and Vodafone are already partnering

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Special needs in Europe and CIS

- Assistance and support to the **Federal Republic of Yugoslavia (Serbia and Montenegro)** for rebuilding its public broadcasting and telecommunication systems – Resolutions 33 (Istanbul, 2002) and 126 (Marrakesh, 2002)

- Assistance and support to **Bosnia and Herzegovina** for rebuilding its telecommunication network - Resolution 33 (Rev. Marrakesh, 2002)

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Main Activities in Europe & CIS
(2003-2004)

- **Internet Training Centres**
  - ✓ 8 ITU/CISCO Academies
- **Centre of Excellence**
  - ✓ 29 events in Russian-speaking and English-speaking branches
- **ITU Area Office in Moscow**
  - ✓ Since 28 March 2005 in function
- **Seminars and Workshops**
  - ✓ 22 regional and sub-regional
- **42 Direct, ad hoc and other assistance to the members**
- **Projects and other initiatives**
  - ✓ European Commission – ITU/ICT projects: E-Government in Kyrgyzstan
  - ✓ Support in implementation of National ICT Action Plans
  - ✓ Telecommunication Sector Regulation & Practices

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Priorities in 2005

- Two Regional Projects
  - ✓ Support in implementation of National ICT Action Plans
  - ✓ Telecommunication Sector Regulation and Practices
- Realization of Digital TV Based Interactive ICT Model
- Realization of the Regional Preparatory Meetings (RPM) for WTDC-06 in the Europe and CIS Region
  - ✓ Bucharest, 18-20 April
  - ✓ Moscow, 11-13 October
- Seminars, Workshops and Country initiatives
- Center of Excellence activities: online courses, workshops and other activities
- Special needs

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Country Initiatives in 2005

- E-government in Bosnia & Herzegovina (second phase), Bulgaria (third phase), Kyrgyzstan (European Commission – ITU/ICT projects)

- Implementation of National Health Information System and E-health applications in Turkey

- Case study and business case for mobile network transition from 2G to 3G in Slovenia

- Spectrum Management Systems in Kyrgyzstan, Tajikistan and Armenia

- Assessment of Quality of Services in DVB-T systems in Slovakia

- Multipurpose Community Telecenters and Market Analyses and Studies (second phase) in Romania

- Rebuilding of Public Broadcasting System in Serbia & Montenegro

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Seminars, Workshops and Meetings in 2005

- ITU/EU (ENISA) Regional Seminar on Cyber Security, 25-27 May, Riga (Latvia);
- European Regional Seminar on Evolving Network Infrastructures to NGN and related planning strategies and tools, 20-24 June, Belgrade, (Serbia & Montenegro);
- Seminar on standardization of NGN and ICT development, 5-7 July, Tashkent (Uzbekistan);
- Regional Workshop on Human Resources Rightsizing, 5-8 July, Sarajevo, (Bosnia & Herzegovina);
- European Regional Seminar on Internet and IP Telephony, October, (Poland);
- Regional HRD meeting for CIS, October, Baku, (Azerbaijan);
- Regional Working Party on Private sector issues, 26-28 October, Kiev (Ukraine);
- European Forum on Regulatory Aspects of VoIP and Broadband Promotion Regulation, November, Istanbul (Turkey);
- E-learning course on dispute resolution for European countries;
- Virtual Forum on HR and Change Management projects for Europe and CIS;
- Online train-the-trainer course on e-learning for Europe and CIS.

At the end . . .
Forthcoming Opportunities for the Region

- WSIS - Phase 2: Tunisia, 16-18 November 2005

- WTDC-06: Doha (Qatar), 7-15 March 2006

THANK YOU FOR YOUR ATTENTION