ITU and Regional Initiative for Europe on e-Accessibility

01 | *Meet us*
ABOUT ITU

01 | *Meet us*

ABOUT ITU

ITU is the United Nations **specialized agency for information and communication technologies** (ICTs)

Promoting global collaboration for a **connected world**

01 | *Meet us*

WHO WE ARE

Our numbers

193 MEMBER STATES

700 PRIVATE SECTOR

90 ACADEMIA MEMBERS

01 | *Meet us*

ABOUT ITU

Organization
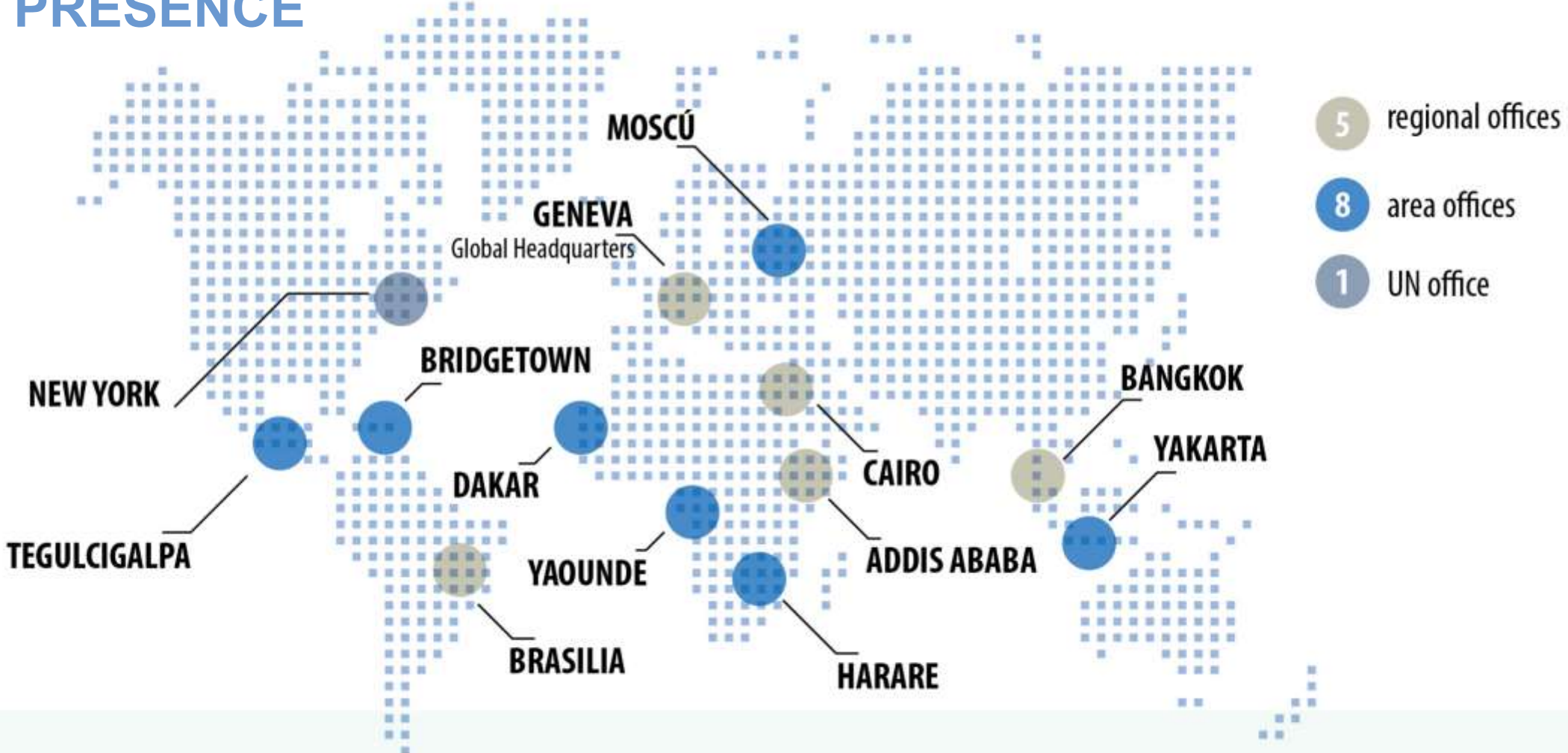

Each sector has separate mandate, but all work cohesively towards connecting the world
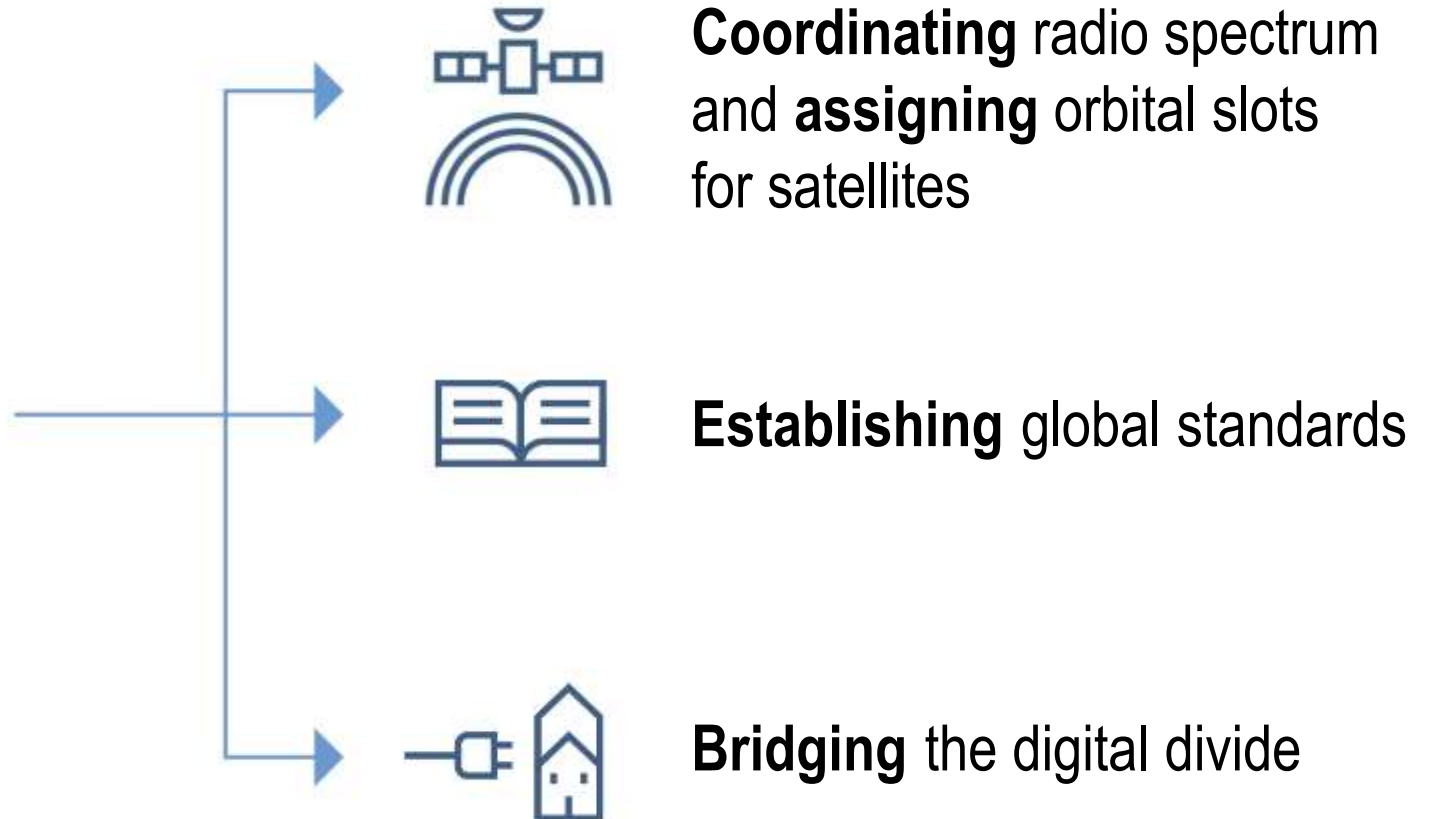
03 *Where are we?*

PRESENCE

MOSCÚ

GENEVA
Global Headquarters

BRIDGETOWN

NEW YORK

DAKAR

TEGULCIGALPA

YAOUNDE

BRASILIA

HARARE

CAIRO

ADDIS ABABA

BANGKOK

YAKARTA

5 regional offices

8 area offices

1 UN office

01 *Meet us*

WHAT WE DO

'**Committed to Connecting the World**'

Coordinating radio spectrum and **assigning** orbital slots for satellites

Establishing global standards

Bridging the digital divide

02 | *Meet the sectors*

3 SECTORS OF ITU

02 | *Meet the sectors*

**Radiocommunication
ITU – R**

KEY ROLE

▶ Global management of **radio-frequency spectrum and satellite orbits**

▶ Ensures equal and **efficient use of radio-frequency spectrum** to accommodate huge growth in demand for spectrum

▶ ITU-R **coordination of orbital slots** prevents radio interference **preventing malfunctioning** of satellite services

02 | *Meet the sectors*

**Radiocommunication
ITU – R**

MAJOR ACHIEVEMENTS

▶ **IMT-2000** and **IMT-Advanced** technical frameworks underpin mobile 3G and 4G networks

▶ Excellent track record in maintaining harmonious **satellite coordination**

02 | *Meet the sectors*

Standardization
ITU - T

🔍 **KEY ROLE**

▶ Crucial role in **defining operation and interoperability of technologies** that underpin global communications network

▶ **200 - 300** new global standards approved every year, with over **4,000** in use today

Standards enable global communications by ensuring ICT networks and devices ***speak the same language globally.***

150
ITU
1865-2015

02 | *Meet the sectors*

Standardization
ITU - T

MAJOR ACHIEVEMENTS

PKI
Public-key infrastructure, central to e-commerce

H.264
The **Emmy award** winning **video codec** and its successor, H.265

15Ⓞ
ITU
1865-2015

02 | *Meet the sectors*

Development
ITU - D

KEY ROLE

▶ Spread equitable and affordable **access to telecommunications** to help stimulate social and economic development

▶ **Human capacity-building** in developing and least developed countries (LDCs)

▶ Helps to ensure that people everywhere are empowered **to reap the benefits that connectivity delivers**

▶ **Global Symposium for Regulators**
An unique platform facilitating work of NRAs

150
ITU
1865-2015

02 | *Meet the sectors*

Development
ITU - D

MAJOR ACHIEVEMENTS

▶ Measuring the **Information Society report** (ICT Development Index)

▶ **Enhancing cybersecurity** in LDCs – CIRT programme and cyber-drills

▶ **Providing vital emergency telecommunications** to assist rescue and relief operations in the immediate aftermath of a disaster

▶ **Helps bridge the gender** divide and has equipped over **1m** women with digital literacy skills

02 | *Meet the sectors*

Development
ITU - D

MAJOR ACHIEVEMENTS

▶ **E-ACCESSIBILITY POLICY TOOLKIT FOR PERSONS WITH DISABILITIES** (ITU and G3ict)
Toolkit for Policy Makers Implementing the Convention on the Rights of Persons with Disabilities

▶ **MODEL ICT ACCESSIBILITY POLICY REPORT** (ITU and G3ict

▶ **MAKING TV ACCESSIBLE** (ITU and G3ict)

▶ **MAKING MOBILE PHONES AND SERVICES ACCESSIBLE** (ITU and G3ict)

▶ **ITU-D STUDY GROUP 1**
Question 7/1: Access to telecommunication/ICT services by persons with disabilities and with specific needs

03 | *Our work*
ITU Study Groups

03 | *Our work*

STUDY GROUPS

▶ **Study Groups** develop Recommendations, Reports, Guidelines based on input received from the membership.

▶ **Bring together experts** from public and private sectors and academia

▶ Companies that **compete aggressively** in the marketplace, work collaboratively with ITU SGs

03 | *Our work*

STUDY GROUPS

Work Streams Relevant to e-Accessibility

▶ ITU-T Study Group 16 - Multimedia
Question 26/16: Accessibility to multimedia systems and services

▶ ITU-T Study Group 2 on Operational Aspects
Question 4/2 focused on human factors and related work items

▶ ITU-T Study Group 9 on Broadband cable and TV

▶ **ITU-D STUDY GROUP 1**
Question 7/1: Access to telecommunication/ICT services by persons with disabilities and with specific needs

04| *Our areas of action*
ACCESSIBILITY

ACCESSIBILITY

Strategic Target 2020

The ITU Plenipotentiary Conference 2014 has established a new mandate for ITU in the area of sustainability and climate change. The new mandate includes a revision of Resolution 175 and the establishment of the new Connect 2020 agenda, which sets out the vision, goals and targets that ITU and its Member States have committed to achieve by 2020. Connect 2020 includes an ambitious target directed at cultivating an ICT sector that is inclusive to persons disabilities and specific needs:

INCLUSIVENESS

Target 2.5.B: Enabling environments ensuring accessible telecommunication/ICT for persons with disabilities should be established in all countries by 2020

ACCESIBILITY

Disability inclusive

1

2

ICT sector can help remove communication barriers that people with disabilities face

Lobbying for mainstreaming the use of **'universal design principles'**

Innovations such as the raised 'bump' on **#5** key on devices

ACCESIBILITY

Disability inclusive

3

4

ICT sector can help remove communication barriers that people with disabilities face

Developing new **digital TV** and **radio** systems and **wireless hearing aids**

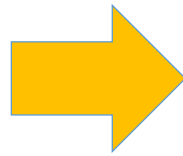'**Access to telecommunication/ICT services** by persons with disabilities and with special needs' report
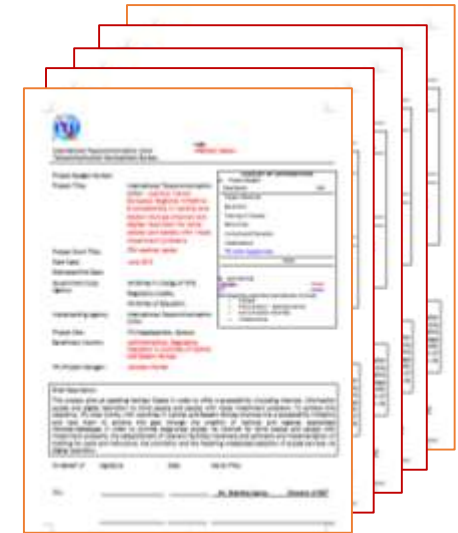
REGIONAL INITIATIVE for EUROPE on ACCESSIBILITY

Regional Initiatives for Europe
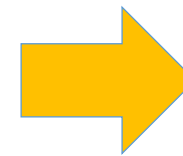

World Telecommunication Development Conference Dubai, 2014

Five Regional Initiatives Objective/ Results

**Innovation
Broadband
Broadcasting and Spectrum
Child Online Protection
Accessibility**

Implementation Period 2015-2017

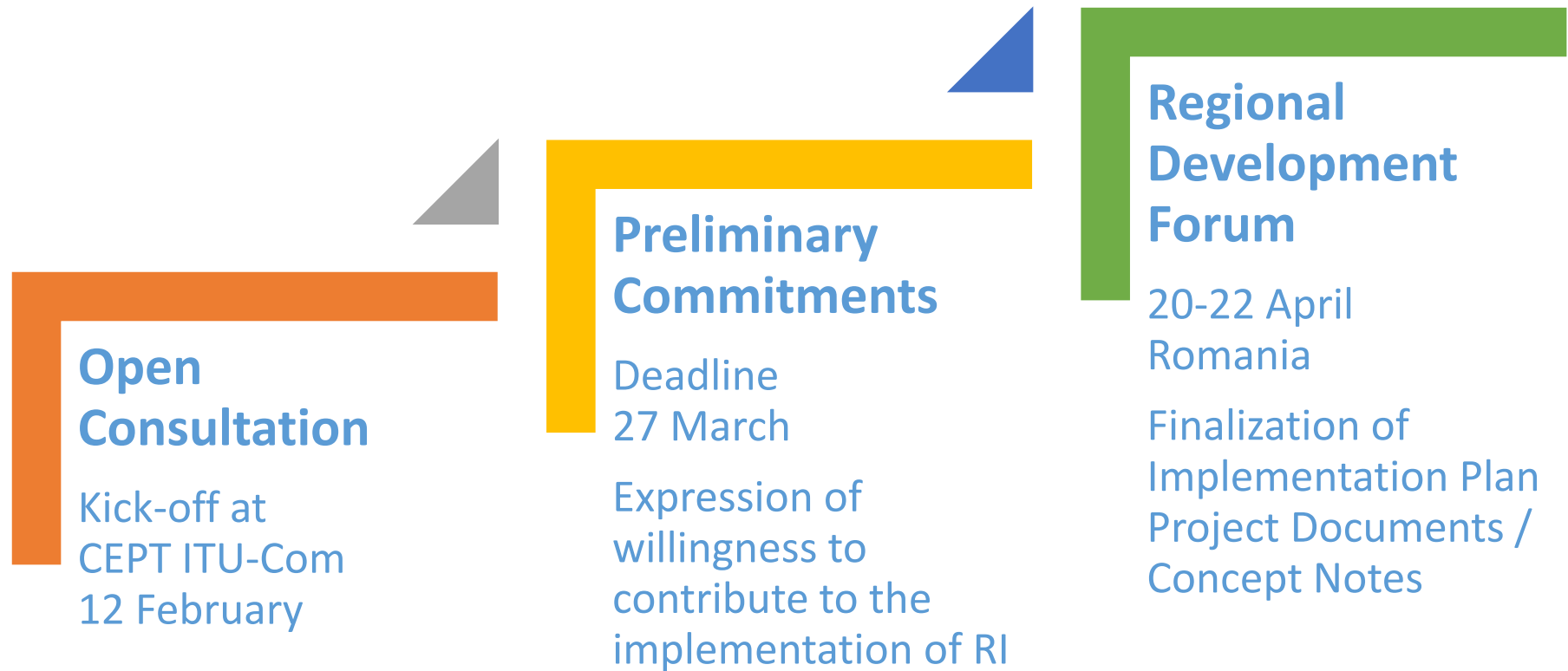## Regional Initiative: *Ensuring access to telecommunications/ICTs, in particular for persons with disabilities*

Objective: To further promote e-accessibility in the ICT ecosystem, and provide the administrations with the most suitable solutions available.

Expected results: Assistance to the countries in need in the following:

1. Formulation of strategic plans and regulatory frameworks promoting e-accessibility and building confidence in ICT use at the national level
2. Creating the environment for the deployment of solutions for e-accessibility, including television/ICT applications for people with disabilities
3. Capacity building and promoting e-education solutions.

05 *Our areas of action*

Towards the RIs Implementation Plan for 2015-2017

Open Consultation

Kick-off at
CEPT ITU-Com
12 February

Preliminary Commitments

Deadline
27 March

Expression of willingness to contribute to the implementation of RI

Regional Development Forum

20-22 April
Romania

Finalization of Implementation Plan Project Documents / Concept Notes

05 | *Our areas of action*

Regional Initiative: *Ensuring access to telecommunications/ICTs, in particular for persons with disabilities:* POSSIBLE ACTIONS

- Building human capacities upon the ITU Model ICT Accessibility Policy
- Establishment of the list of European Member States with national ICT accessibility policies
- Development of training modules with focus on accessibility targeting different stakeholders, including policy makers, regulators, hardware producers, broadcasters
- Annual seminars/workshops
  - 2015 Smart Accessibility on Connected TV (March, Barcelona)
- Twinning Programme strengthening exchange of know how between countries
- Country assistance upon request
- Training Programmes delivered under the ITU Academy, including CoE trainings.
  - 2015: Training for policy makers and regulators on Modules 1 and 4 of the ITU Model ICT Accessibility Policy report;
  - 2015: Training for broadcasters on how to create audio description (AD) and closed caption (CC) files for television/video programming and how to transmit AD and CC.

05 | *Our areas of action*

Regional Initiative and ITU Academy

The ITU Academy aims at becoming **the leading supplier** and the **repository of reference materials** for all training and professional development programmes relating to the ICT sector.
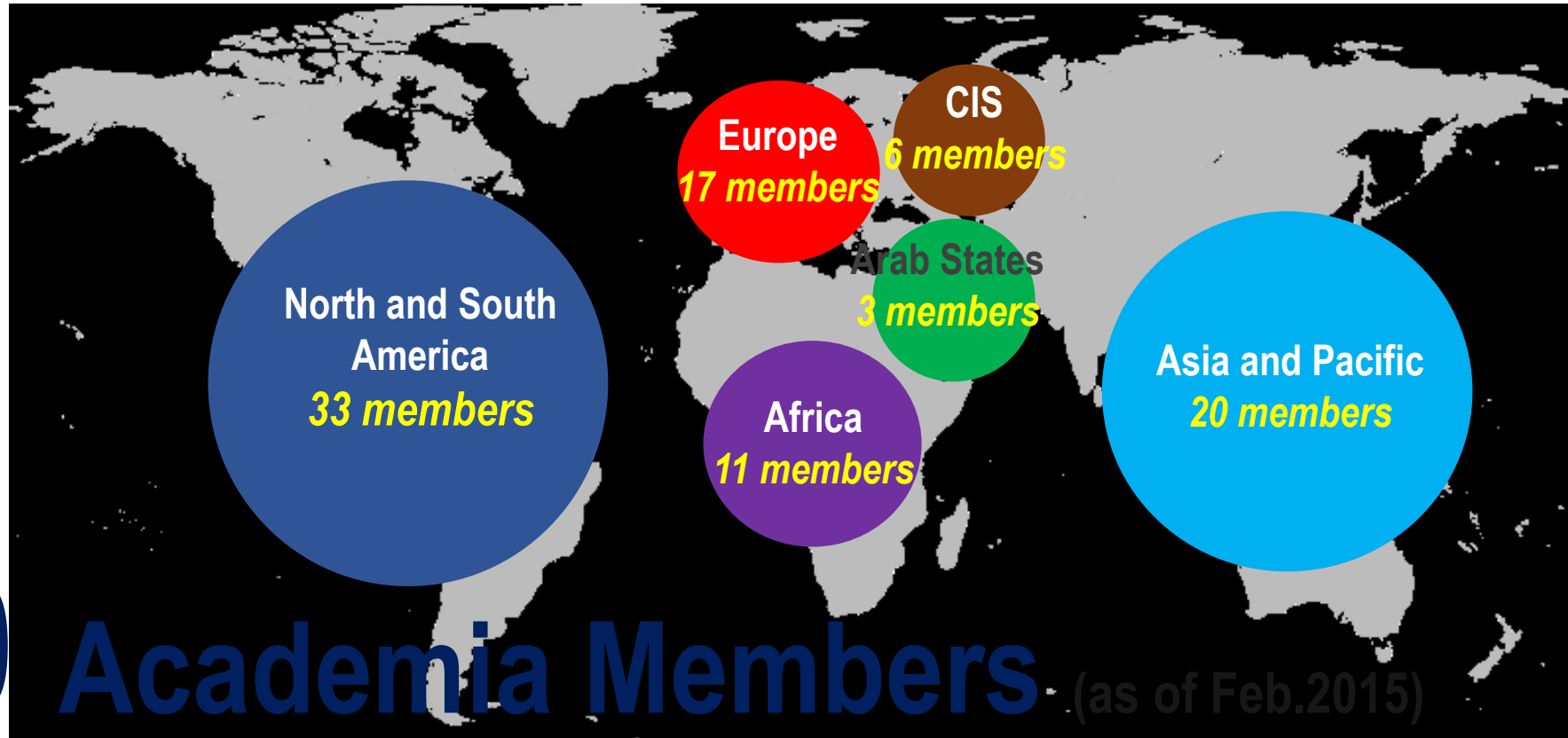
E.G. Partnership with UAB

Training for broadcasters on how to create audio description (AD) and closed caption CC) files for television/video programming and how to transmit AD and CC.

06 | *Our proposal*

ITU ACADEMIA MEMBERSHIP PROGRAM

Europe
17 members

CIS
6 members

Arab States
3 members

North and South America
33 members

Africa
11 members

Asia and Pacific
20 members

90 Academia Members (as of Feb.2015)

06 | *ITU Academia Membership*

ITU STUDY GROUPS

Each Sector of ITU has a number of **study groups** that discuss current ICT trends, and develop **Recommendations and Standards** for the global ICT sector.

ITU Academia members can **participate all study group meetings** and **submit their contributions**.

Key Themes

Cybersecurity
Future Networks
Climate Change
Broadband
Smart Sustainable Management
Spectrum and Satellites
Broadcasting
Multimedia
and more…

ITU ACADEMY

ITU Academy provides **education, training courses** and information resources on information and communication technologies

Academia has the opportunity to contribute to development of the content as well as learn more skills and knowledge about ICTs

06 *ITU Academia Membership*

ITU KALEIDOSCOPE CONFERENCE

An excellent platform for academia to **facilitate networking with other experts** and discuss ways to **enrich the ITU standardization process**

- Total prize of **USD 10,000 for top 3 papers**
- Best papers **published in IEEE Communications Magazine**
- **Global recognition** for your research/and your top students

ITU PUBLICATIONS

Academia members have **the unlimited access to all ITU publications**

Moreover,
ITU Academia members have the opportunity to
- Author a Recommendation
- Publish an article in ITU-T Tech Watch
- Contribute to toolkits and reports
- Give tutorial at Study Group meetings

04 | *ITU Academia Membership*

IN SUMMARY

You can…

- Enrich Your Technical Knowledge
- Contribute to global standards and best practices
- Become an editor or rapporteur of ITU documents
- Raise the profile and recognition of your institution
- Share your expertise and engage in global debates
- Launch innovative public-private partnerships
- Get access to world-leading ICT statistics

Institutions in developing countries:

CHF 2,000/year

Institutions from developed countries:

CHF 4,000/year

Thank you!

Jaroslaw PONDER
Europe Coordinator

www.itu.int/itu-d/eur / EURregion@itu.int