Bridging the Standardization Gap (BSG)

ITU-T Leadership Meeting @ WTSA

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4 November 20

ITU Constitution

Functions and Structure of the Telecommunication Standardization Sector

Article 17 of the ITU Constitution refers explicitly to the "concerns of developing countries"

Telecommunication Standardization Sector

Art. 17
Constitution

ARTICLE 17

Functions and Structure

104
PP-98

1 1) The functions of the Telecommunication Standardization Sector shall be, bearing in mind the particular concerns of the developing countries, to fulfil the purposes of the Union relating to telecommunication standardization, as stated in Article 1 of this Constitution, by studying technical, operating and tariff questions and adopting recommendations on them with a view to standardizing telecommunications on a worldwide basis.

ITU Strategic Plan

PP Resolution 71 and the Strategic objectives of the ITU-T

BSG

BSG is a key strategic objective for ITU-T

In the ITU Strategic Plan 2016-2019 (Annex to Res. 71),
the following is listed as one of the 5 overarching objectives of ITU-T :

Promote the active participation of the membership, in particular developing countries, in the definition and adoption of non-discriminatory international standards (ITU-T Recommendations) with a view to bridging the standardization gap

Strategic Plan (PP Res. 71) T2

Plenipotentiary Resolution 123 on BSG

Since 2002 there is a PP-resolution on Bridging the Standardization Gap

PP-14 Resolution 123 (rev. Busan) resolves, *inter alia,* to instruct the Secretary General and the Directors of the 3 Bureaux to*:*

- Provide developing countries with **assistance to enhance capacity building** in the standardization field
- Identify ways and means to **support the participation of representatives of developing countries** in the meetings of the three Sectors of ITU and the **dissemination of information** on standardization
- Further **collaborate with the relevant regional organizations** and support their work in this area…
- …

PP Res. 123

WTSA Resolution 44 (Rev. Hammamet, 2016)

WTSA and Bridging the Standardization Gap

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Since 2004, we have a WTSA Resolution on BSG:

… that developing countries are still encountering multifarious difficulties in ensuring their efficient participation in the work of ITU-T, in particular engaging in and following up the work of the ITU-T study groups

Res. 44 includes (in its annex)
an Action Plan to implement Resolution 123 of PP-14

NB: In the ITU-D, there is a Recommendation ITU-D 22 on "Bridging the standardization gap in association with regional groups of the study groups"

What Resolution 44 contains

"Resolves", "Instructs" and an Action Plan

- Res. 44 contains a number of resolutions **("resolves")** and instructions **("instructs") that** are applicable to ITU-T Study Groups, TSAG and the TSB Director *(in some cases in collaboration with other sectors)*

- The Annex of Res. 44 includes an **Action plan** for the implementation of PP Res 123, containing 4 programmes

ANNEX
(to Resolution 44)

Action plan for the implementation of Resolution 123 (Rev. Guadalajara, 2010) of the Plenipotentiary Conference

I Programme 1: Strengthening standard-making capabilities

1) Objective

- To improve the standard-making capabilities of developing countries.

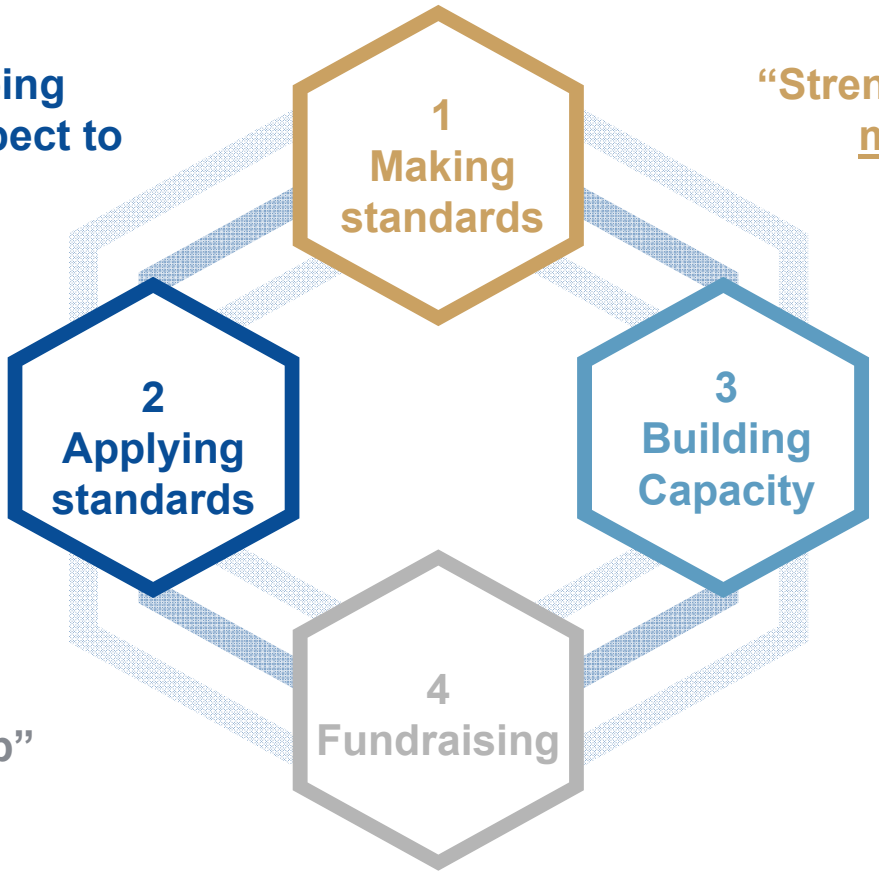
2) Activities

- Developing guidelines to assist developing countries in their involvement in ITU-T activities, covering, but not limited to, ITU-T working methods, formulating draft Questions and making proposals.

BSG Action Plan from Resolution 44

The 4 Programmes outlined the BSG Action Plan

"Assisting Developing Countries with respect to the application of standards"



"Strengthening standard-making capabilities"

"Fundraising for bridging the standardization gap"

"Human resources capacity building"

Implementing the Action Plan

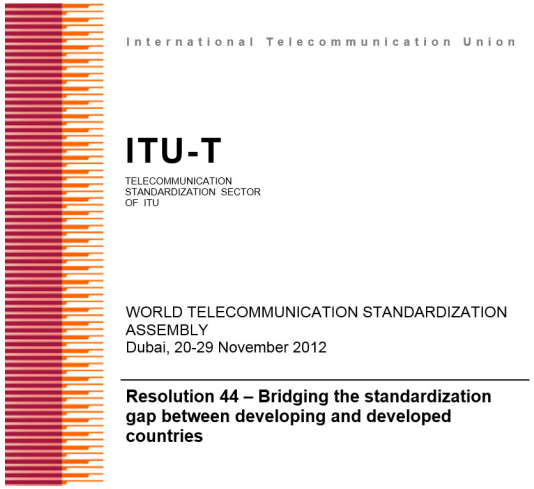
The role of the BSG Implementation Group

BSG

Through Resolution 44,

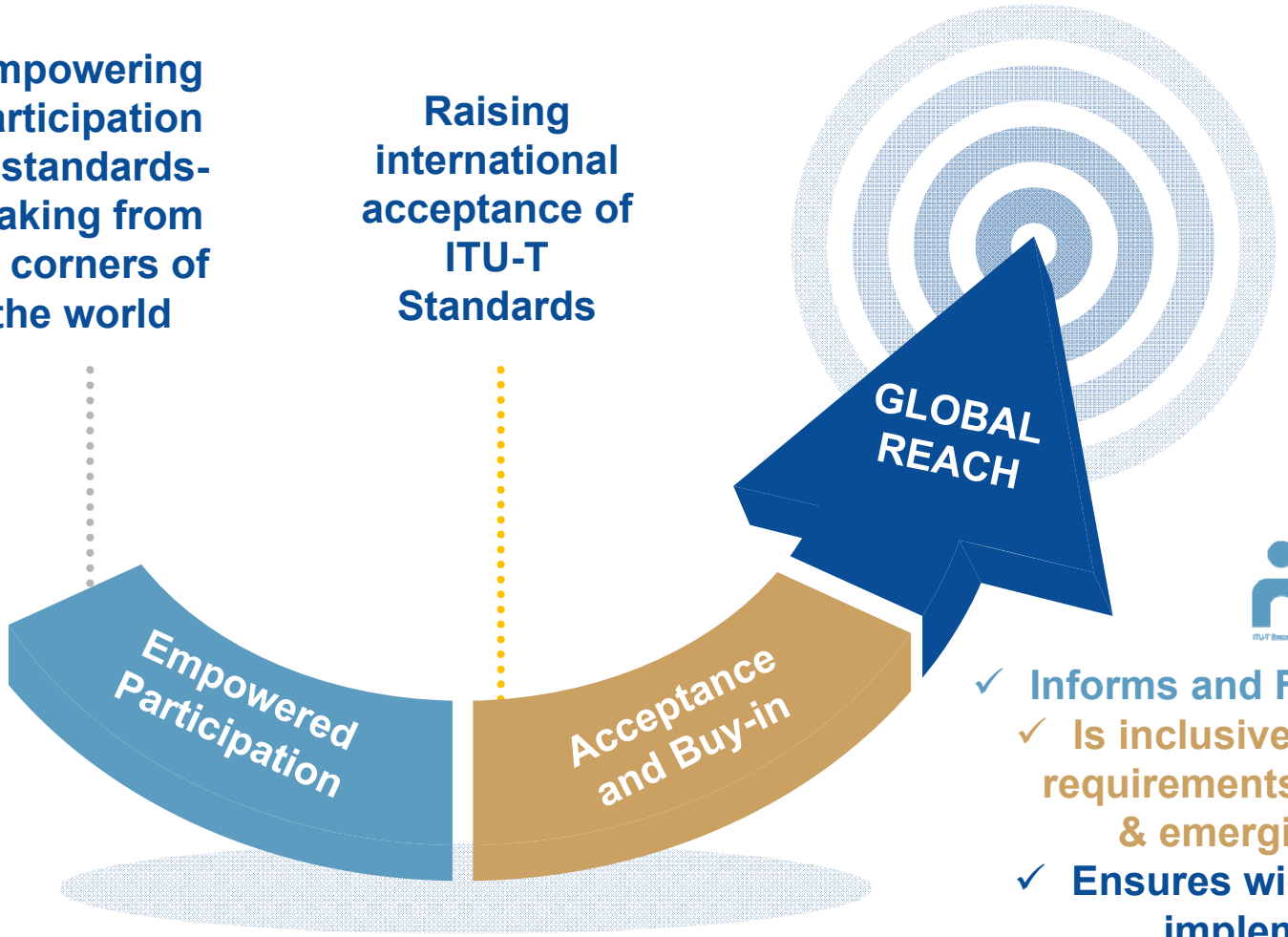
- WTSA-16 ***instructs*** the TSB Director,
  in collaboration with the Directors of BDT and BR:
  - *to continue **implementing the objectives of the action plan** annexed to this resolution;*
  - *to continue the activities of the **implementation group established within TSB** to organize, mobilize resources, coordinate efforts and monitor work related to this resolution and the associated action plan*

- WTSA-16 ***resolves*** :
  - *that the action plan annexed to this resolution, having the objective of bridging the standardization gap between developed and developing countries, should be continued and **be reviewed on an annual basis** to take into account the requirements of developing countries;*



BSG and the ITU-T Value Proposition

Bridging the Gap for Global Reach



- ✓ Informs and Fuels Innovation
- ✓ Is inclusive of needs and requirements of established & emerging markets
- ✓ Ensures wider standards implementation

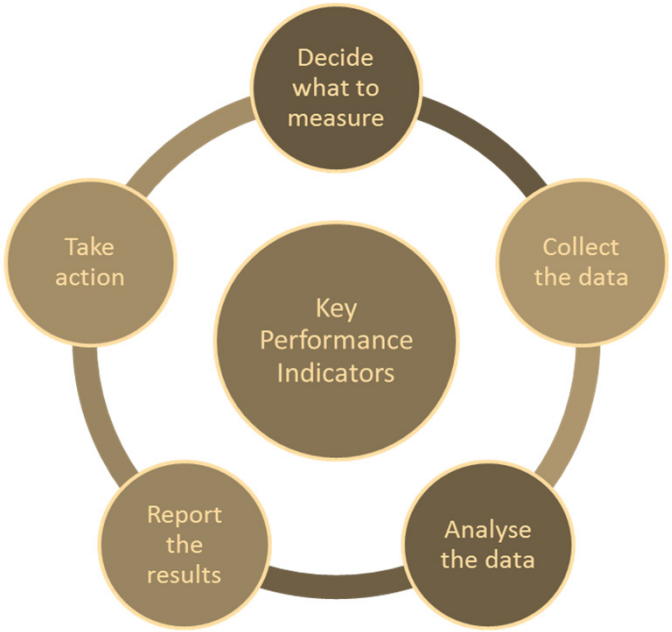
BSG@ITU 2013-2016: Implementation

BSG: Measuring the impact

Key Performance indicators

Key Performance Indicators or KPIs

- Number of participants from developing countries in ITU-T Study Groups
- Number of RSFs, workshops and tutorials held in developing countries and distinct topics covered
- Number of participants in RSFs, workshops and tutorials held in developing countries
- Number of BSG hands-on sessions held for Study Groups
- Number of participants attending hands-on SG trainings and rate of satisfaction
- Number of delegates certified in the A.1 e-learning course
- Number of Study Group Chairs and Vice-Chairs from developing countries
- Number of SG Regional Group meetings held



Information and Awareness: RSFs

Forums Around the World for Bridging the Standardization Gap

BSG

ITU-T Regional Standardization Forums for BSG

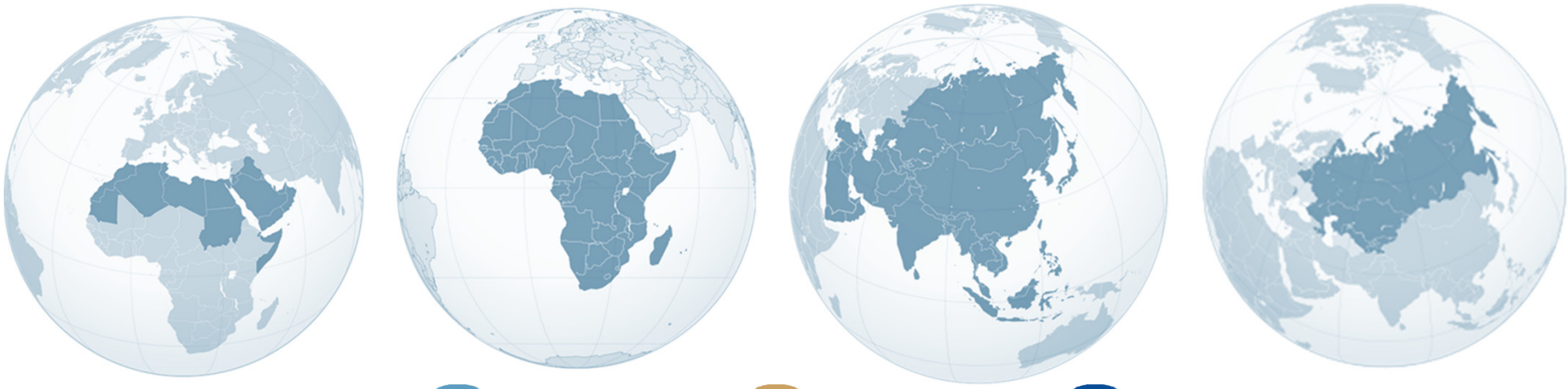
Meetings and Participants by Region (2013-2016)

RSF in ARB
- 4 Meetings
- 175 Participants

RSF in AFR
- 3 Meetings
- 145 Participants

RSF in APT
- 4 Meetings
- 323 Participants

RSF in CIS
- 1 Meeting
- 48 Participants



12
RSFs organized

19
Total number of days

707
Number of participants

Information: Tech Papers & Other Studies

Disseminating knowledge and information: Study Period 2013-2016

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2013

- Impacts of M2M and Non-M2M Mobile Data Applications on Mobile Networks
- How to increase Quality of Service (QoS)/ Quality of Experience (QoE) of IP-based Platform
- Migration scenarios from legacy network to NGN in developing countries
- Telecommunications and Disaster Mitigation

2014

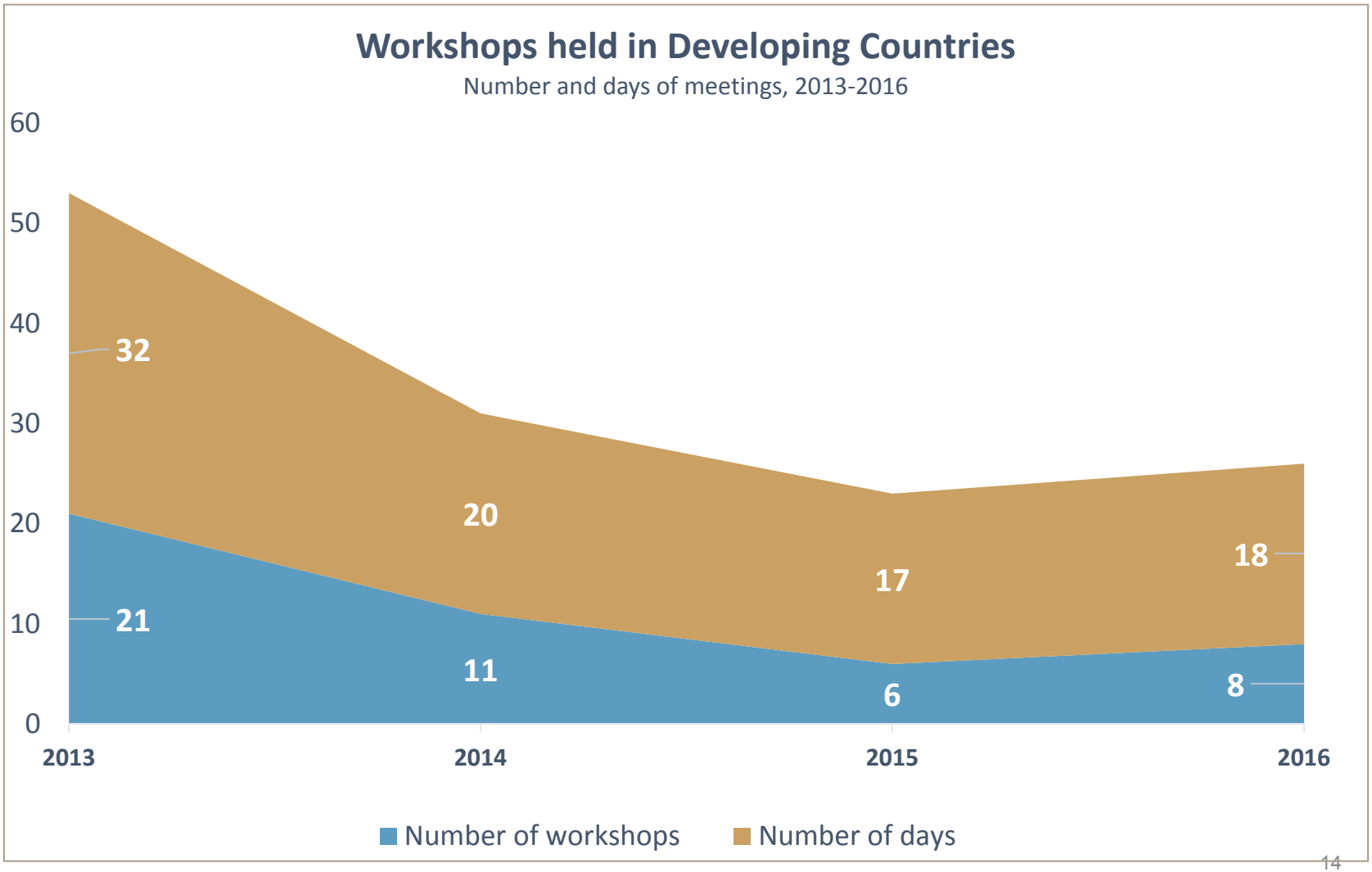
- Applications of wireless sensor networks in Next Generation Networks
- Multiple radio access technologies
- Accessible Digital Television – From Idea to Reality
- Mobility Management in ITU-T: Its Current Development and Next Steps Heading Towards Future Networks
- New challenges for Public-Key Infrastructure standardization
- IPTV Green book
- Green ICT Standards Roadmap

2015

- Guide for NRAs on International Mobile Roaming Cost analysis
- Security in telecommunications and information technology

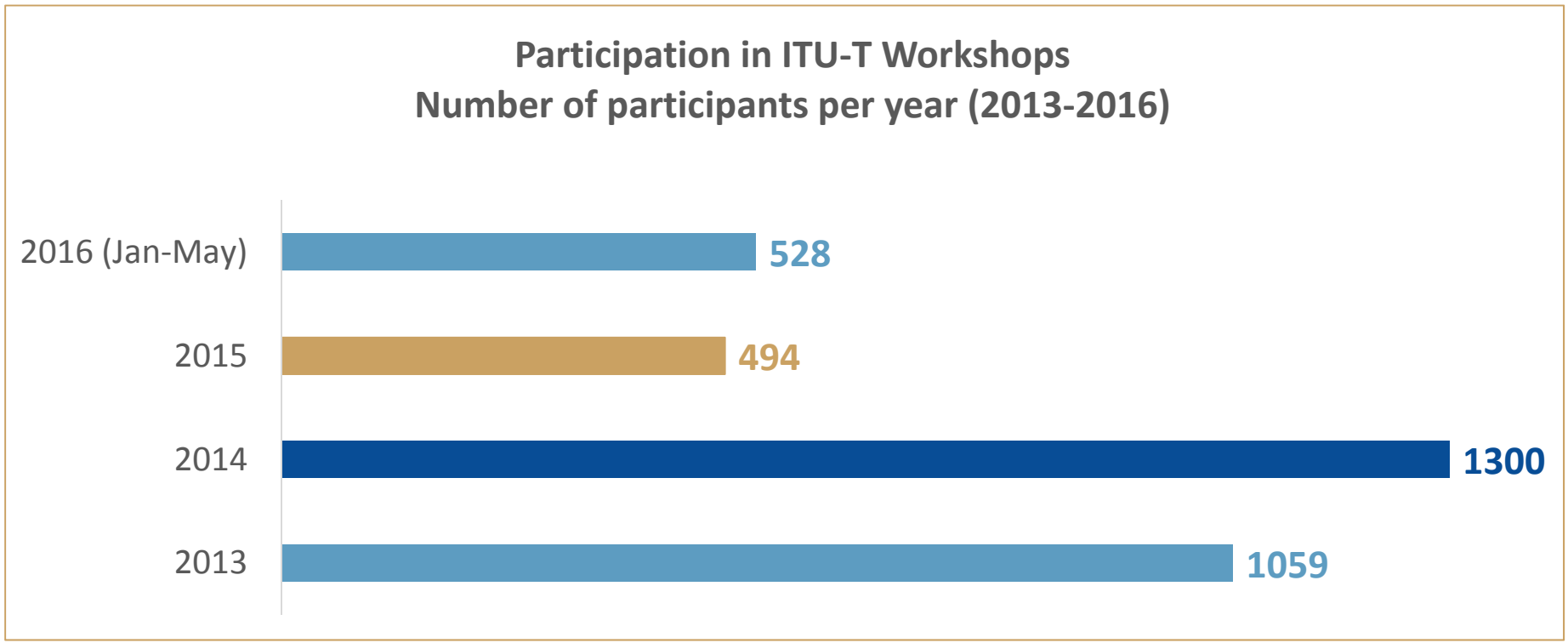
Awareness & Engagement: Workshops

Workshops held in Developing Countries



Awareness & Engagement: Workshops

Participation in Workshops



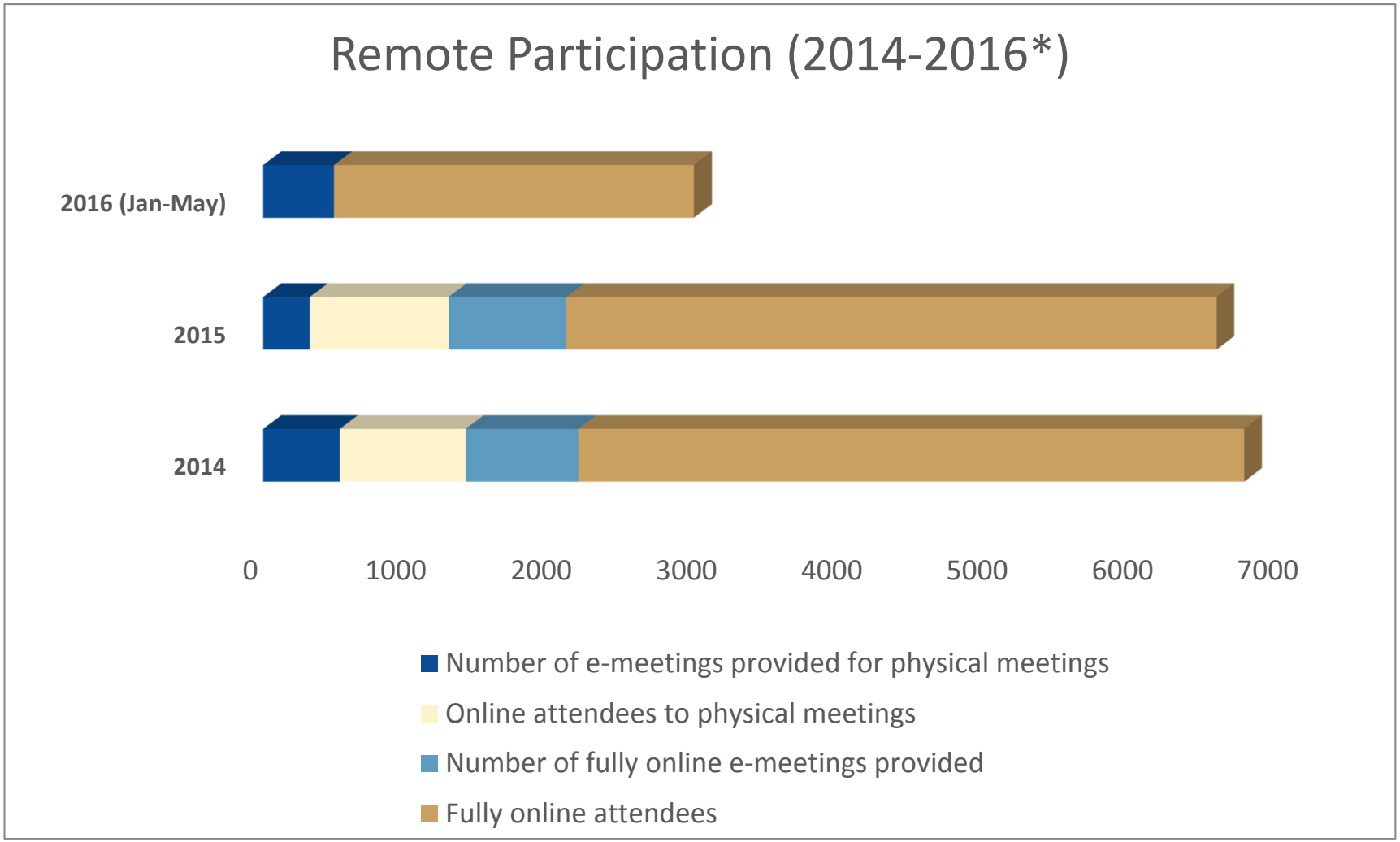
46
Workshops organized

87
Total number of days

3381
Number of participants

Engagement: Remote Participation

Encouraging participation from those that cannot physically attend meetings



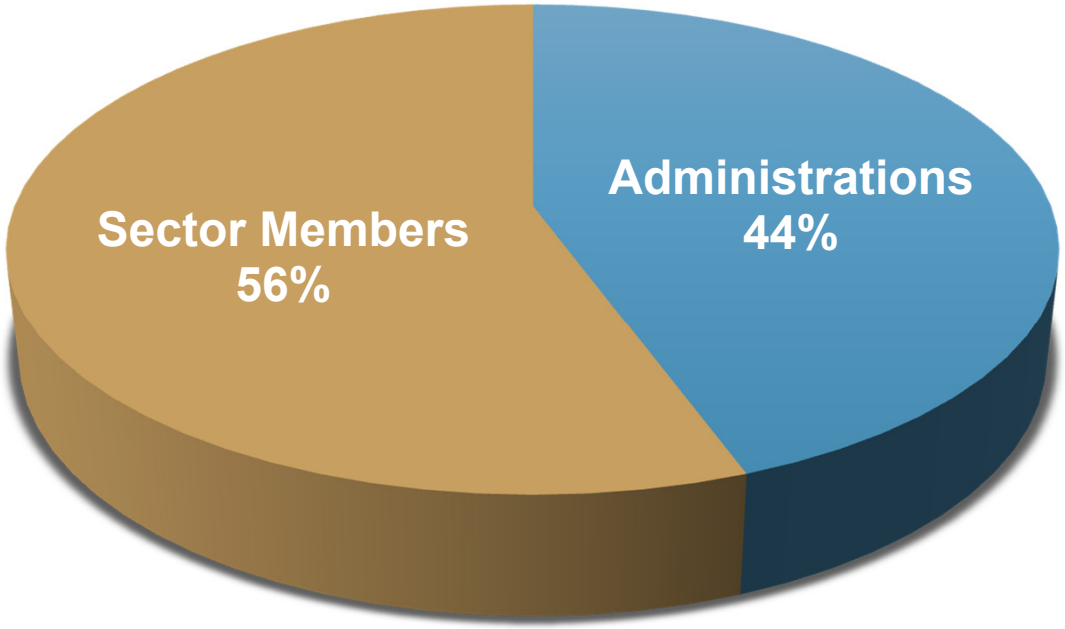
*Note: Data available only from 2014 onwards

Engagement: Study Group Mentors

Over **70% of Study Groups** have appointed Mentors in this Study Period

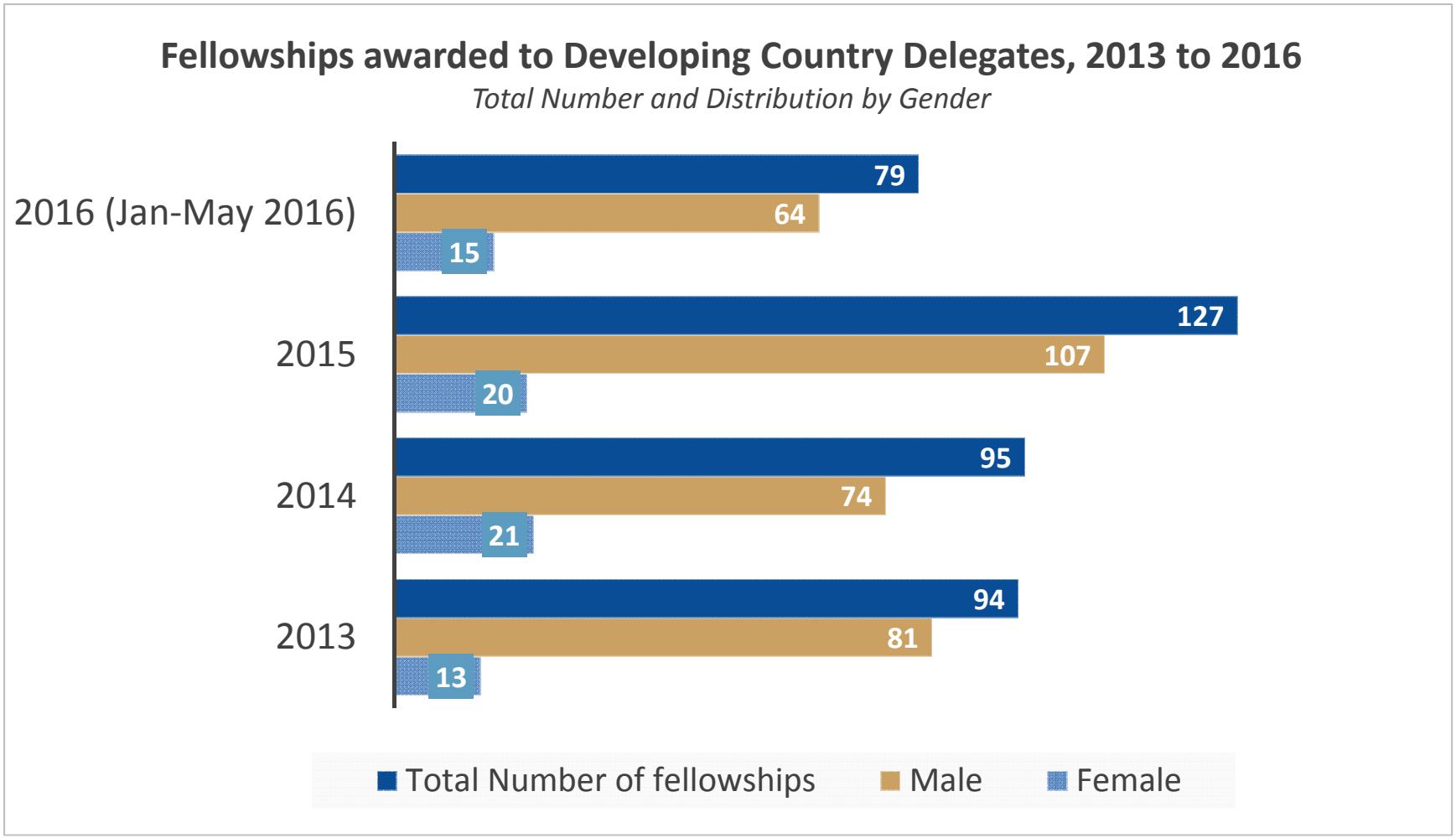
Study Group Mentors by Membership Type

(2013-2016 Study Period)



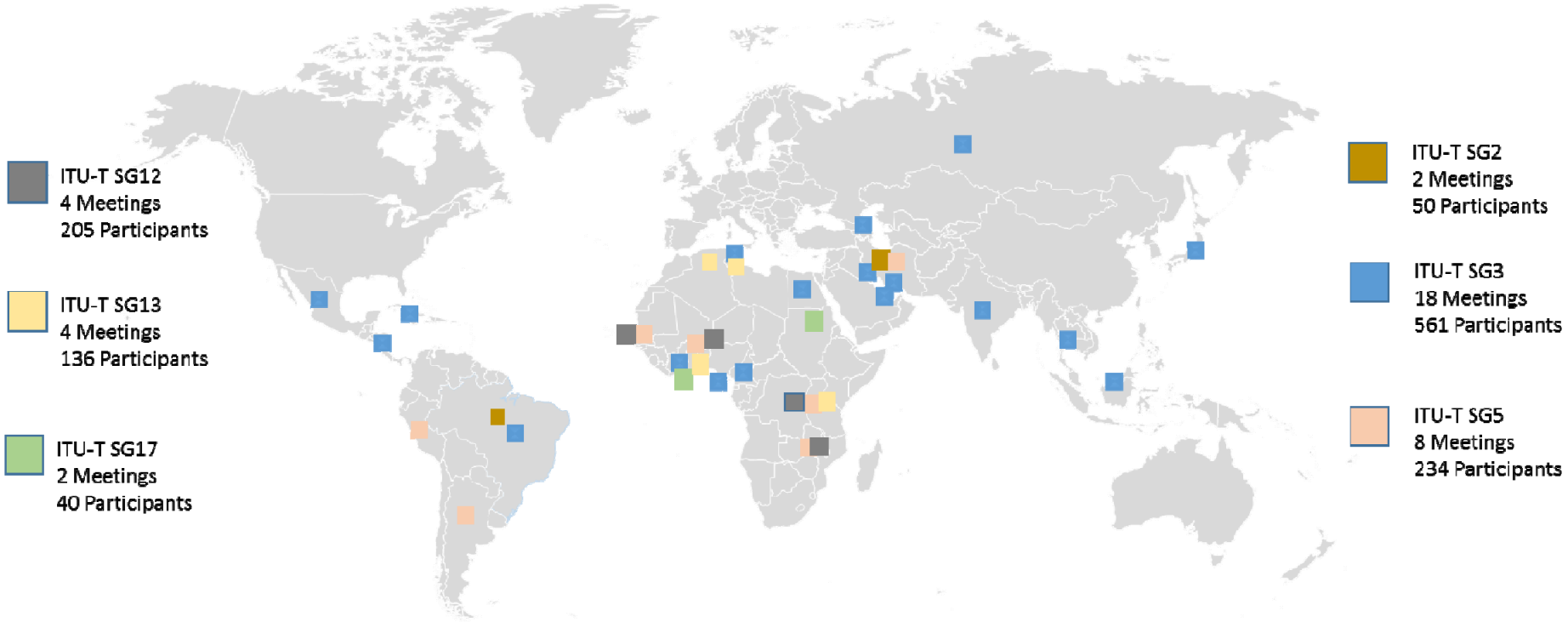
Engagement: Fellowships

Fellowships awarded to developing countries



Community: Regional Empowerment

Participation in Regional Groups (2013-2016)



45
Regional Group Meetings

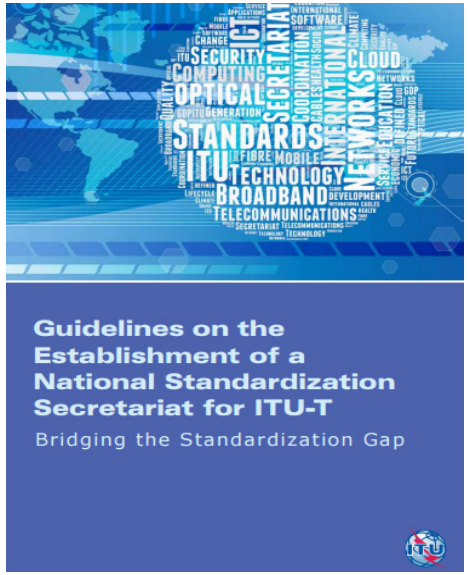
78
Total number of days

1552
Number of participants

Community: Standardization Programmes

Guidelines on National Standardization Secretariats and Consultancy projects (2013-2016)

The *"Guidelines on the establishment of a National Standardization Secretariat (NSS) for ITU-T"* was developed in 2013 and published in 2014. It takes into account the different capability levels for standardization across the developing countries, showing how it is possible to establish an NSS at a basic level with very little new cost or resource requirements.



TSB conducted a consultancy exercise for Zambia ICT Authority from November 2015 to March 2016 to undertake an audit of the current set up for ICT standardization activities and its national standardization secretariat and make recommendations on processes that could be enhanced in order to participate more effectively in ITU-t activities.

Know-How: On-line learning

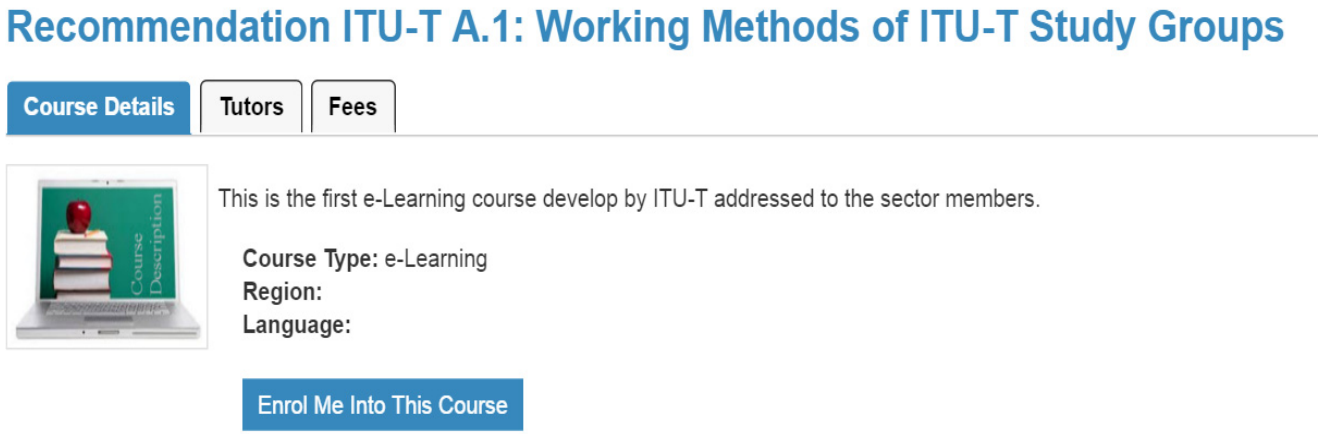
E-Learning Course on Working Methods of ITU-T Study Groups

In 2014, TSB developed an **e-learning course** on ITU-T Recommendation A.1, Working methods of ITU-T Study Groups

The course comprises six modules:

- *Standardization in ITU-T*
- *Managing the study groups*
- *Coordination*
- *Inputs to the study groups*
- *Outputs of the study groups*
- *Further infrastructure supporting the study group process*

Some **353 persons** have attempted the course and **175 persons** have obtained **the certificate.**



Know-How: Hands-on BSG & Role Play

Sessions were held between January and August 2016 (8 months) at ITU Headquarters as well as tailored sessions in Tunisia and India

BSG

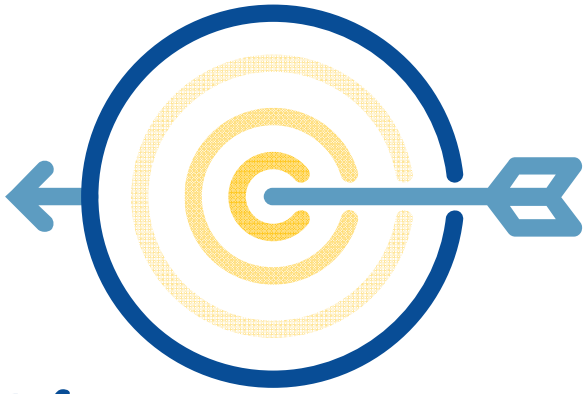
177
Delegates

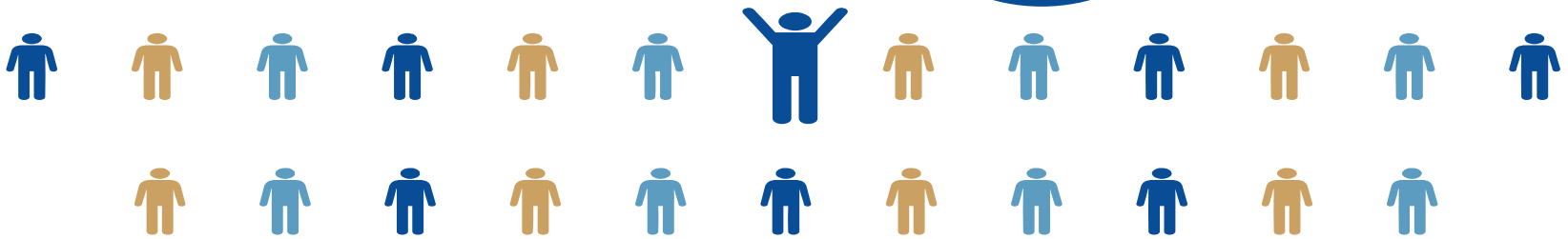
35
Countries

75
Organizations

NET PROMOTER SCORE:

95%
of those surveyed would recommend the training

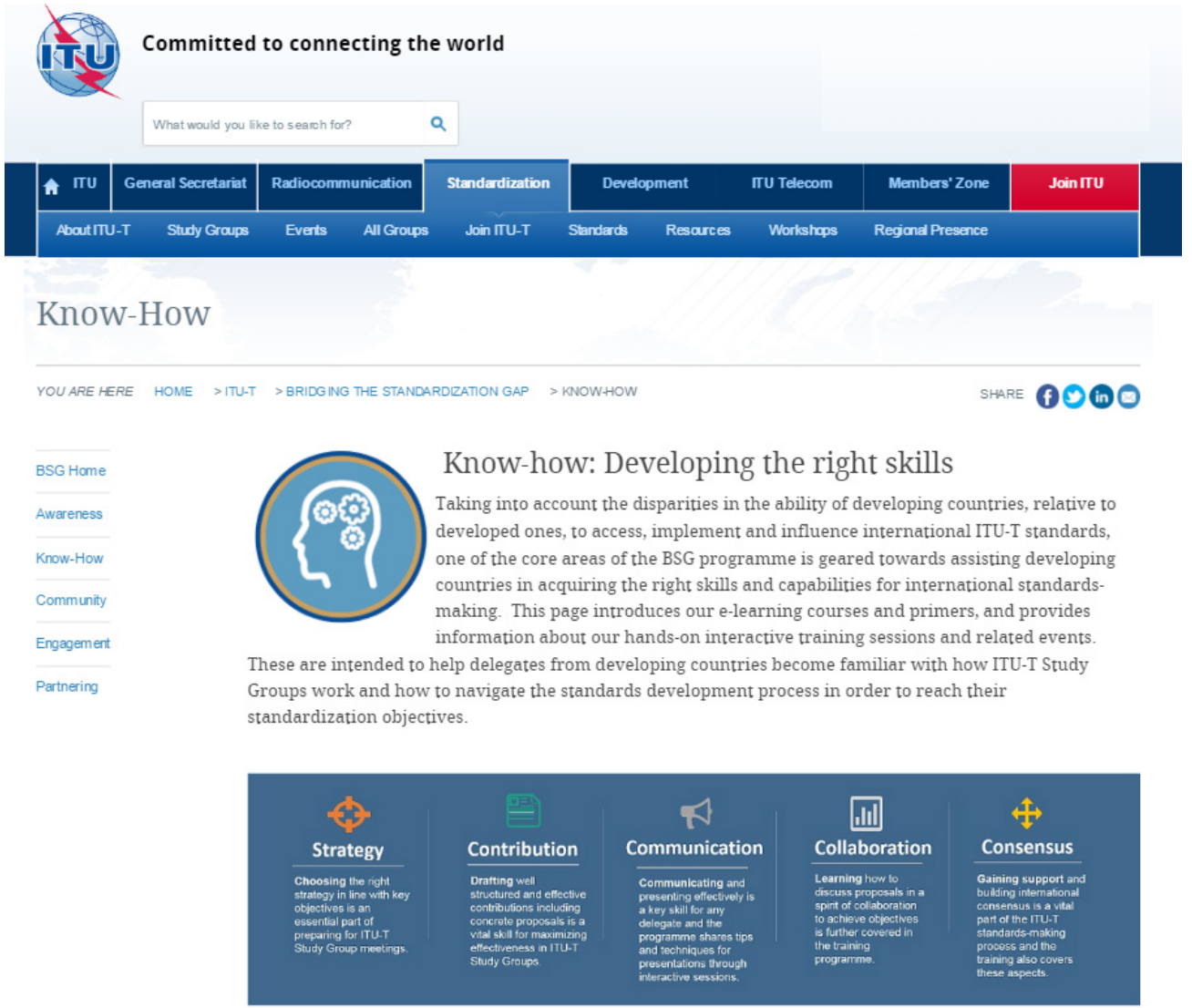




BSG WTSA

BSG on the web

www.itu.int/go/bridging



Thank you!

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