ITU-D Study Group Activities during the study period (2014-2017)

ASP Regional Development Forum
Manila, June 6 & 7, 2016

Yasuhiko Kawasumi
Vice Chair, ITU-D Study Group 1

ITU-D Study Groups' Mandate

- There are Study Group 1 & 2 (2014-17) in ITU-D Sector.
- ITU-D Study Groups are responsible for developing Reports, Guidelines, and Recommendations based on input received from the membership. Information is gathered through surveys, contributions and case studies. Case study library is built on the ITU-D website to collect CS on line from membership.
- SG1:Enabling environment for the development of telecommunications/ICTs.

   Chair Person: Mrs. Roxanne MCelvane (FCC, USA)
- SG2:ICT applications, cybersecurity, emergency telecommunications and climate-change adaptation.

   Chair Person: Dr. Ahmad Reza SHARAFAT (Iran)

ITU-D Study Groups: Scope of work

Study Group 1: Enabling environment for the development of telecommunications/ ICTs

- National telecommunication/ICT policy, regulatory, technical and strategy development, including broadband, as an engine for sustainable growth.
- Economic policies and methods of determining costs of telecoms/ICT services.
- Access to cloud computing services.
- Access to ICTs for rural/remote areas and to ICT services by persons with disabilities & specific needs.
- Consumer protection.
- Spectrum management, including the ongoing transition from analogue to digital terrestrial television broadcasting, and use of the digital dividend.

Study Group 2: ICT applications, cybersecurity, emergency telecommunications and climate change adaptation

- Telecommunications/ICT services and applications.
- Building confidence and security in the use of ICTs
- The use of telecommunications/ICTs in mitigating the impact of climate change on developing countries, and for natural disaster preparedness, mitigation and relief.
- Conformance and interoperability testing.
- Human exposure to electromagnetic fields and safe disposal of electronic waste.
- The implementation of telecommunications/ICTs, taking into account work by ITU-T and ITU-R, and the priorities of developing countries.

Detailed information on each of the study topics is available at:
www.itu.int/net4/ITU-D/CDS/sg/questions.asp?lg=1&sp=2014

www.itu.int/ITU-D/study-groups/

ITU-D Study Group 1: Enabling environment for the development of telecommunications / ICTs – Questions (2014-17)

- Question 1/1: Policy, regulatory and technical aspects of the migration from existing networks to broadband networks in developing countries, including next-generation networks, m-services, OTT services and the implementation of IPv6

- Question 2/1: Broadband access technologies, including IMT, for developing countries

- Question 3/1: Access to cloud computing: Challenges and opportunities for developing countries

- Question 4/1: Economic policies and methods of determining the costs of services related to national telecommunication/ICT networks, including next-generation networks

- Question 5/1: Telecommunications/ICTs for rural and remote areas

- Question 6/1: Consumer information, protection and rights – Laws, regulation, economic bases, consumer networks

- Question 7/1: Access to telecommunication/ICT services by persons with disabilities and with specific needs

- Question 8/1: Examination of strategies and methods of migration from analogue to digital terrestrial broadcasting and implementation of new services

- Resolution 9: Participation of countries, particularly developing countries, in spectrum management

ITU-D Study Group 2: ICT applications, cybersecurity, emergency telecommunications and climate change adaptation – Questions (2014-17)

Questions related to ICT applications and cybersecurity:

- **Question 1/2:** Creating the smart society: Social and economic development through ICT applications

- **Question 2/2:** Information and telecommunications/ICTs for e-health

- **Question 3/2:** Securing information and communication networks: Best practices for developing a culture of cybersecurity

- **Question 4/2:** Assistance to developing countries for implementing conformance and interoperability programmes

Questions related to climate change, environment, emergency telecommunications:

- **Question 5/2:** Utilization of telecommunications/ICTs for disaster preparedness, mitigation and response

- **Question 6/2:** ICT and climate change

- **Question 7/2:** Strategies and policies concerning human exposure to electromagnetic fields

- **Question 8/2:** Strategies and policies for the proper disposal or reuse of telecommunication/ICT waste material

Working Party 1/2 deals with cross-cutting issues for Questions 5/2, 6/2, 7/2, and 8/2

Question 9/2: Identification of study topics in the ITU-T and ITU-R study groups which are of particular interest to developing countries

www.itu.int/ITU-D/study-groups/

Questions of interest to ASP regional initiatives

- Q5/1: Telecommunications/ICTs for rural and remote areas; ASP R11 LDC, SIDS/Landlocked Countries
- Q5/2: Emergency telecommunications; ASP R12
- Q1/2: Building smart society; ASP R13 Benefit of new technologies.
- Q2/1: Broadband access technologies; ASP R14
- Q1/1: Policy, regulatory and technical aspects for new services including NGN, m-services, OTT services and implementation of IPv6; ASP R15

Case studies of interest to ASP Region

- USE of TV white space (input to ITU-D SG1)

Bhutan ; eHealth pilot project using TV white space technology as last mile connectivity,

Malawi; initiative taken by Malawi to research on the TV white spaces technology since 2012, in order to improve the technology capacity, capability and livelihoods of Malawians and improve internet penetration beyond the current 6.7 %,

Microsoft: Cloud-based, open-source, low-cost experimental platform for qualitative assessment of spectrum utilization (Spectrum Observatory Station),

Dynamic Spectrum Alliance: the TV WS technologies can be especially useful in emerging markets, where deployment and adoption of Internet access may be limited. It can improve spectrum utilization and connect unserved and underserved communities

Deploying TV WS, 16 villages in Manaslu of Himalaya will be connected for e-post, schools, free hot spots, disaster alert and other applications
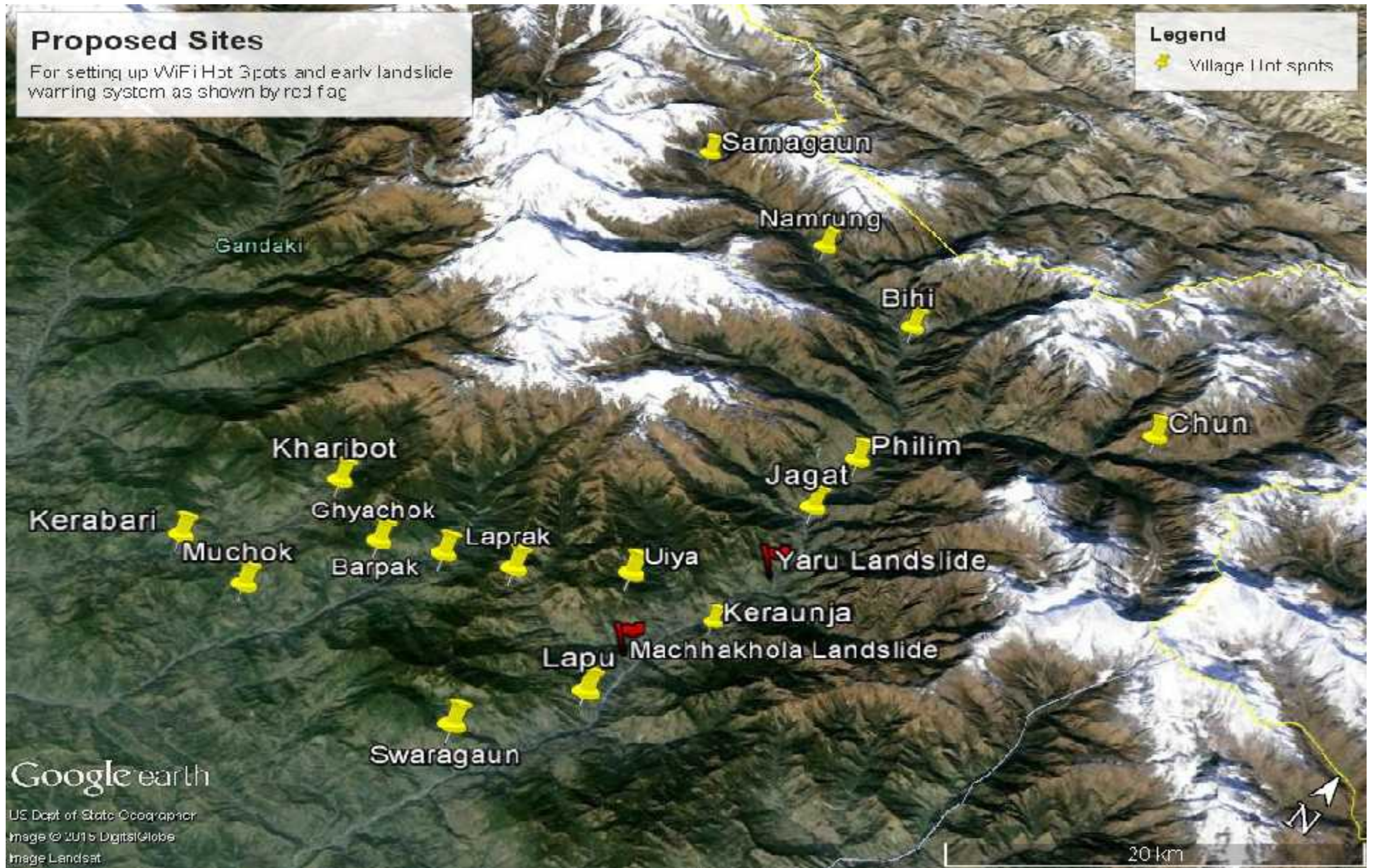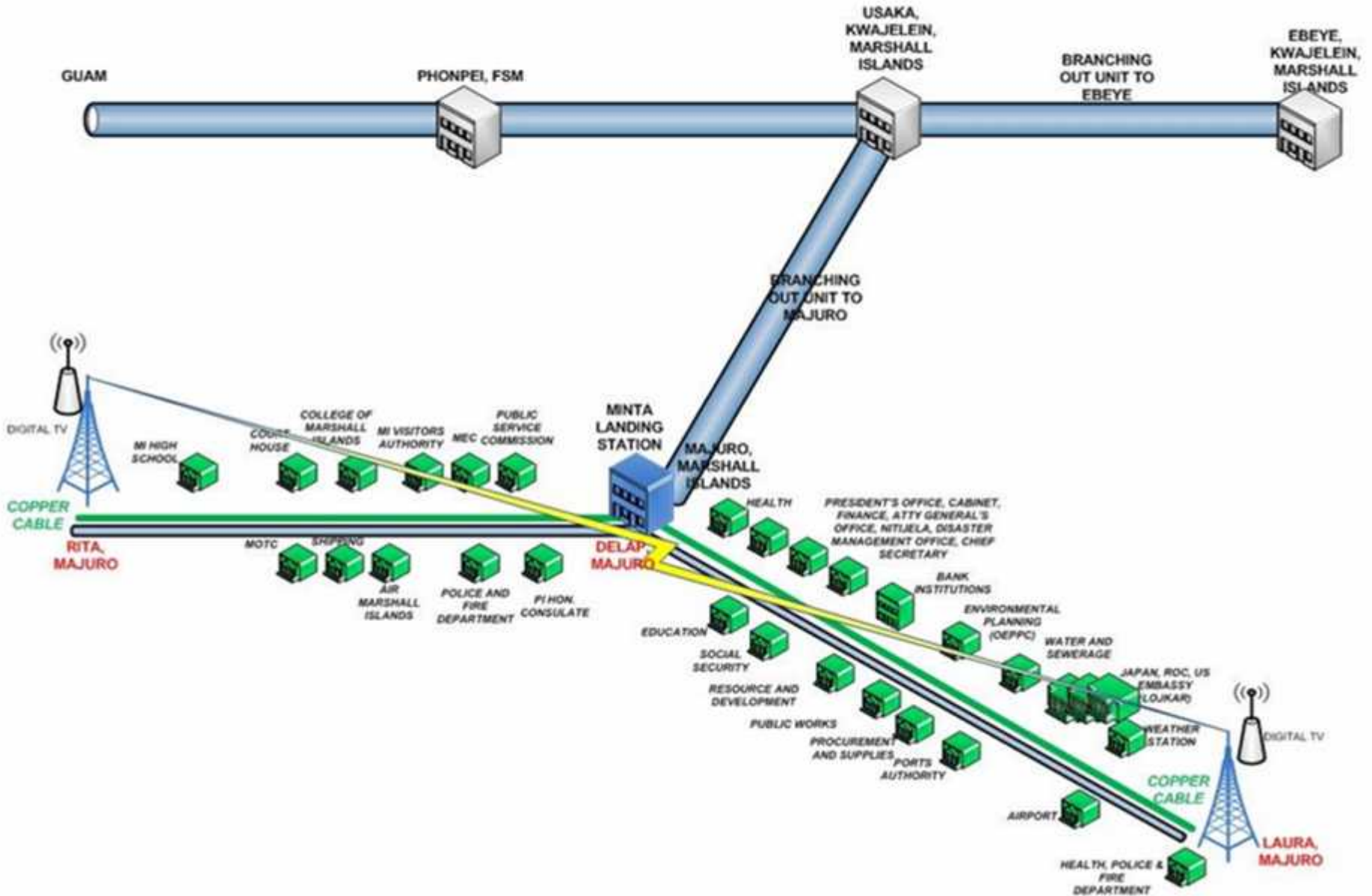
Movable and Deployable ICT Resource Unit（MDRU）

FTTH Plan of Majuro (RMI)

Fiber Splicing Training at MINTA(RMI)

Participants of ITU-D SG 1 meeting September 2015

ITU-D Study Groups: Meeting participation
(as of 4 September)

Regional breakdown of pre-registered participants for each Study Group:

|	SG1		SG2	
Africa	63	37%	67	34%
Americas	19	11%	24	12%
Arab States	13	8%	13	7%
Asia & Pacific	48	28%	57	28%
CIS	10	6%	16	8%
Europe	17	10%	21	11%
TOTAL	170		198	

*Note: Does not include participants from regional and international organizations

ITU-D Study Groups: Meeting participation
(as of 4 September)

SG2 participants by category

Figures based on announced participation for
SG2: 221 participants

- Member States
- Sector Members
- Associates SG2
- Academia
- Guests
- Reg & Intl Organizations
- UN organizations

1%

3%

1%

1%

12%

7%

75%

1%
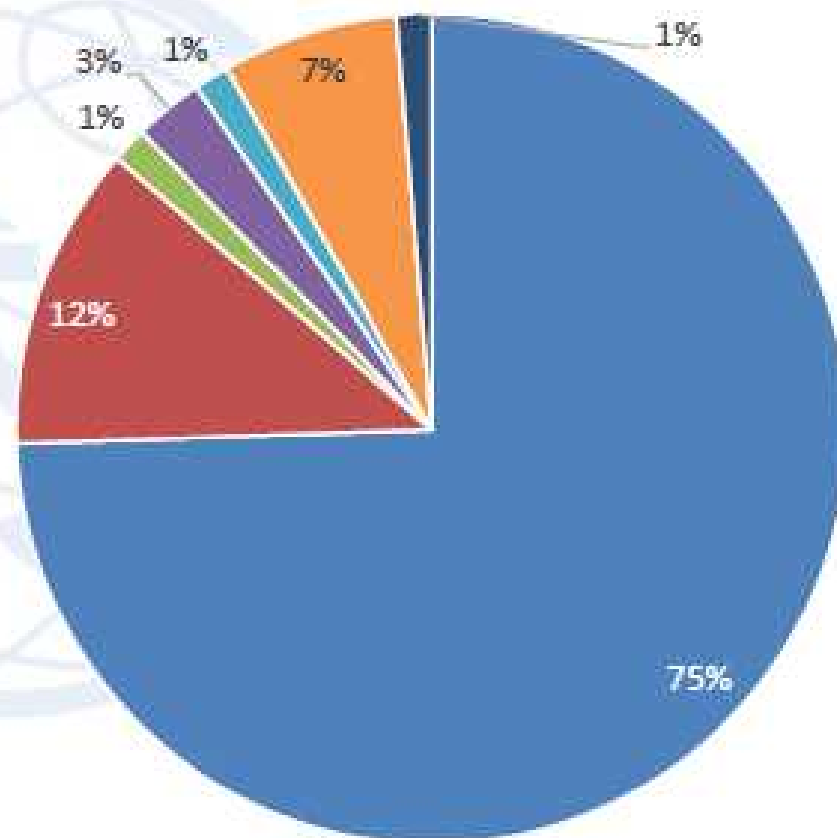
ITU-D Study Groups: Overall contributions
(as of 4 September)

| Total no. of input documents (C and INF) processed for the meetings:	2014	2015
Total no. of documents for SG1, including Res.9	71	145
- For action (C-series)	68	143
- For information (INF-series)	3	2
Total no. of documents for SG2	96	127
- For action (C-series)	92	122
- For information (INF-series)	4	5

Note (for 2015): 21 contributions are multi-number (SG1/SG2) and thus counted for both Study Groups

ITU-D Study Groups: Evolution of contributions by Study Group for the 2014-2017 study period

Evolution in the number of received contributions

— Total no. of documents for SG1, including Res.9
— Total no. of documents for SG2
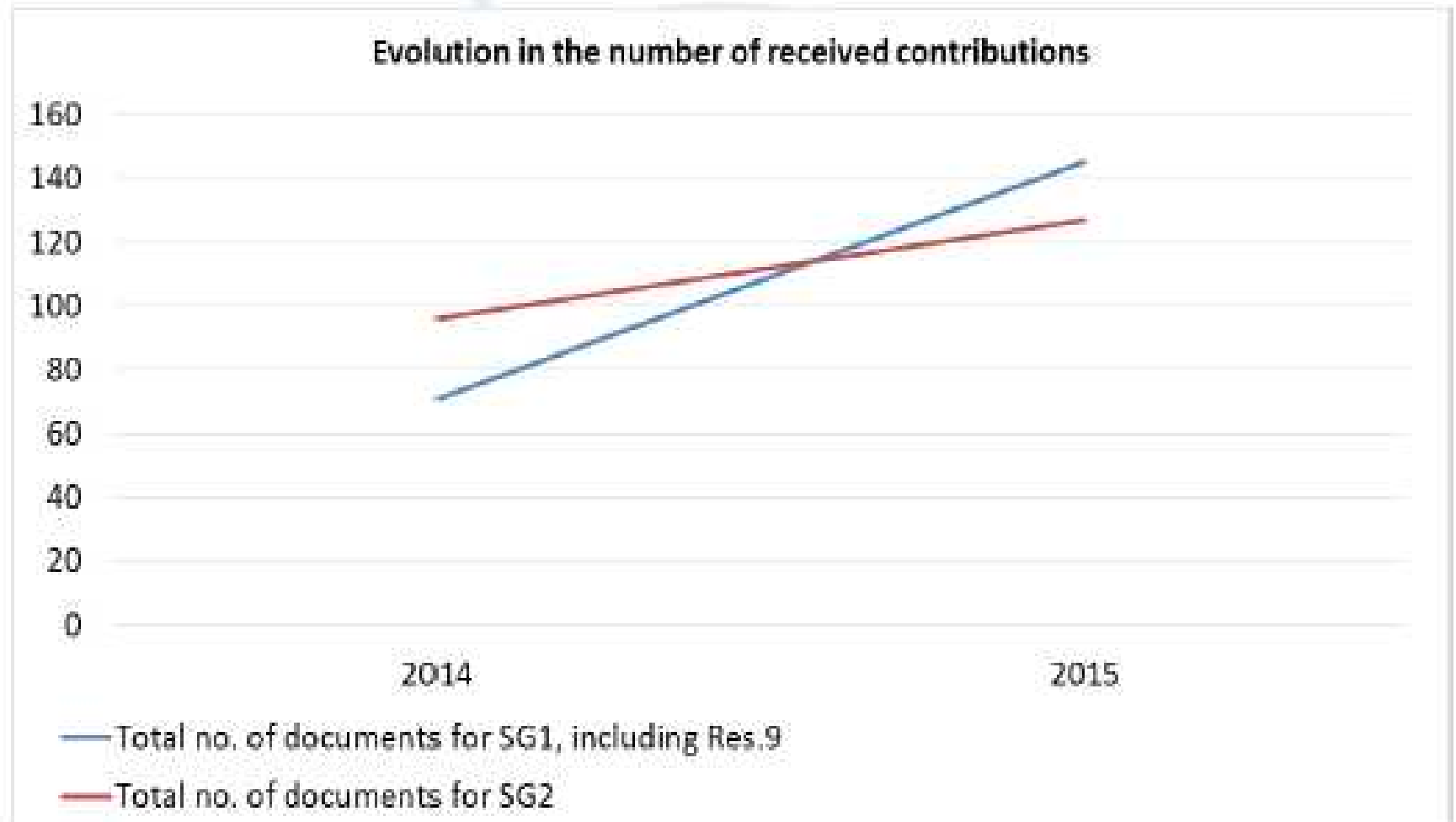
ITU-D Study Groups: Contributions per Question

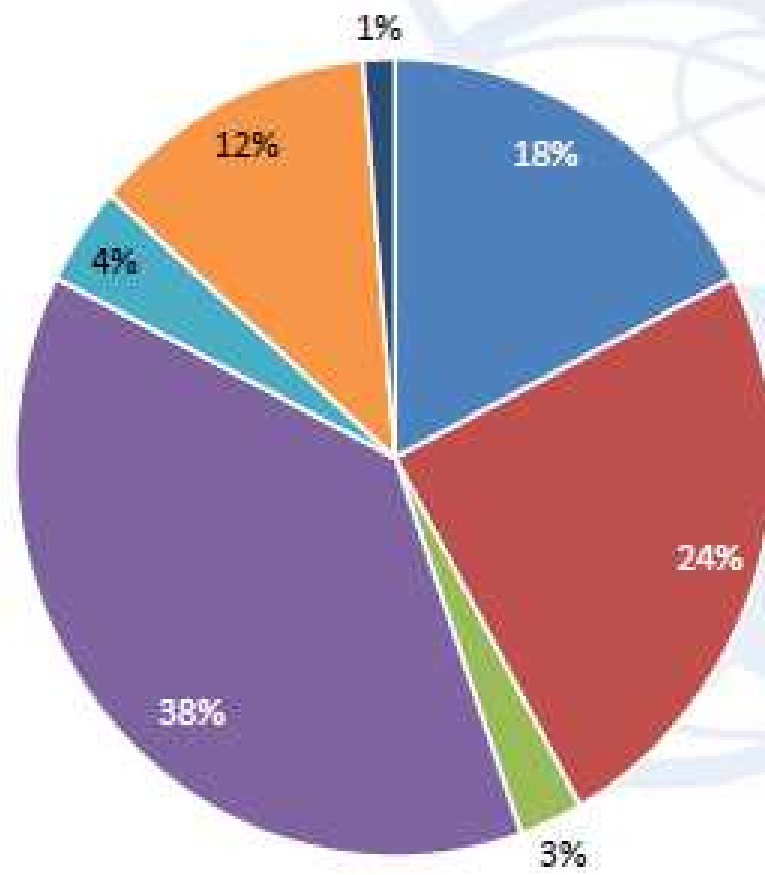## Number of SG2 documents by Question
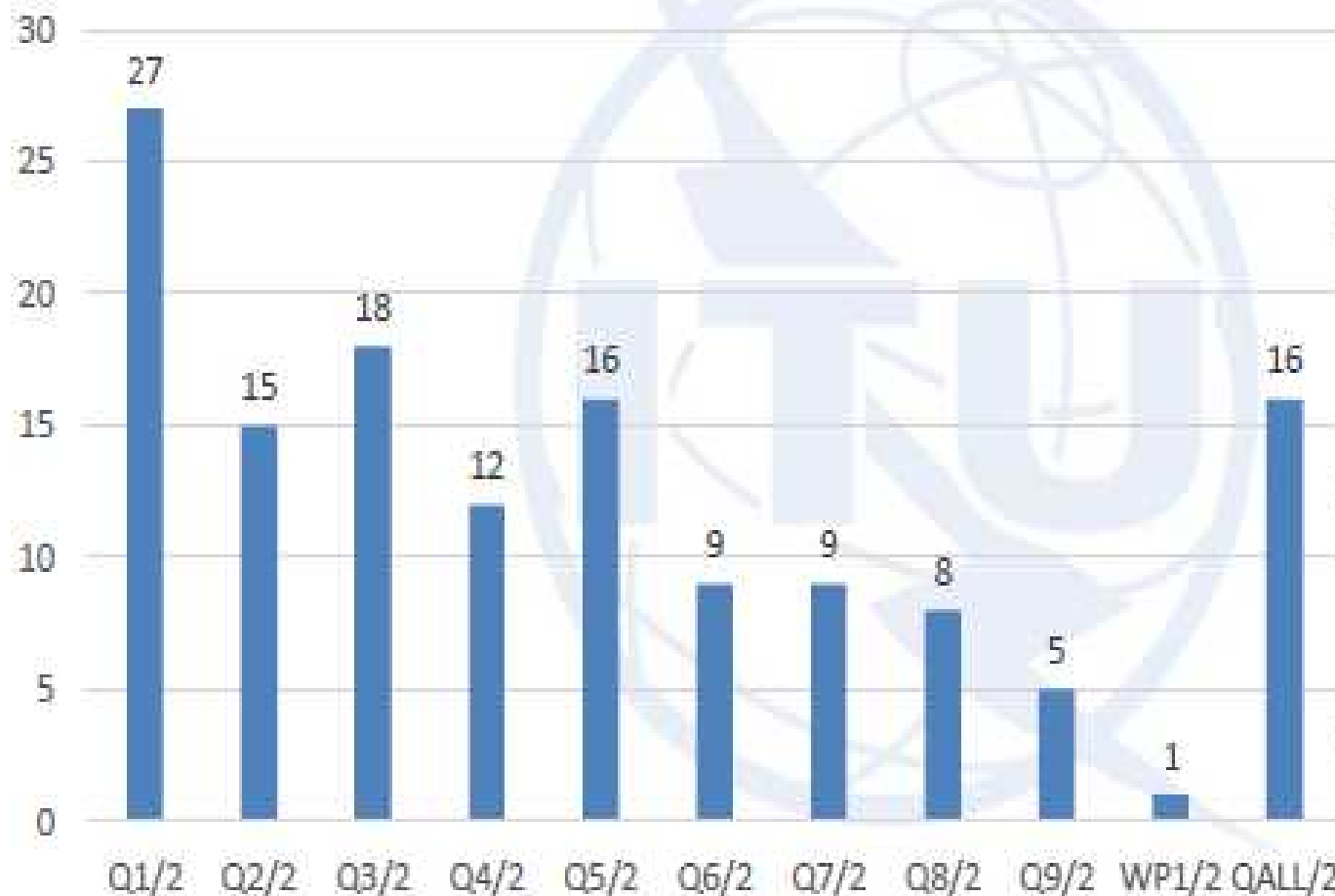
Figures by Question include all documents to show activity by Question.

Some contributions may be counted more than once if allocated to more than one Question.

Total: 136 documents

ITU-D Study Groups: Contributions per region

Percentage of SG2 documents per region

Based <u>only</u> on **contributions from members** (excludes documents from ITU, Regional and International organizations and incoming liaison statements.
Total: 74 documents

- Africa
- Americas
- Arab States
- Asia and Pacific
- CIS
- Europe
- Multi-regional

Thank you !!

Yasuhiko KAWASUMI