



**Director, Telecommunication Development Bureau**

**OVERVIEW OF ITU'S WORK ON ICT MEASUREMENT**

In order for delegates to register to the expert groups on telecom/ICT indicators, they need to fill in the following registration forms:

- Expert Group on Telecommunication/ICT Indicators (EGTI): <https://www.itu.int/net4/ITU-D/ExpertGroup/policy.asp>.
- Expert Group on ICT Household Indicators (EGH): [http://www.itu.int/net4/ITU-D/forum/expertgrouponhouseholds/forum/yaf\\_register.aspx](http://www.itu.int/net4/ITU-D/forum/expertgrouponhouseholds/forum/yaf_register.aspx).

Once they submit the form, we will review it and accept the registration if all the information is correct. If we have any questions on the information provided or there is important information missing, we will contact them bilaterally to ask for it.

\_\_\_\_\_

---

Contact:	Name/Organization/Entity:	Mr Cosmas Zavazava, Chief, Projects and Knowledge Management Department (PKM), Telecommunication Development Bureau
	Phone number:	+41 22 730 5447
	E-mail:	<a href="mailto:Cosmas.zavazava@itu.int">Cosmas.zavazava@itu.int</a>



# Overview of ITU's work on ICT measurement

---

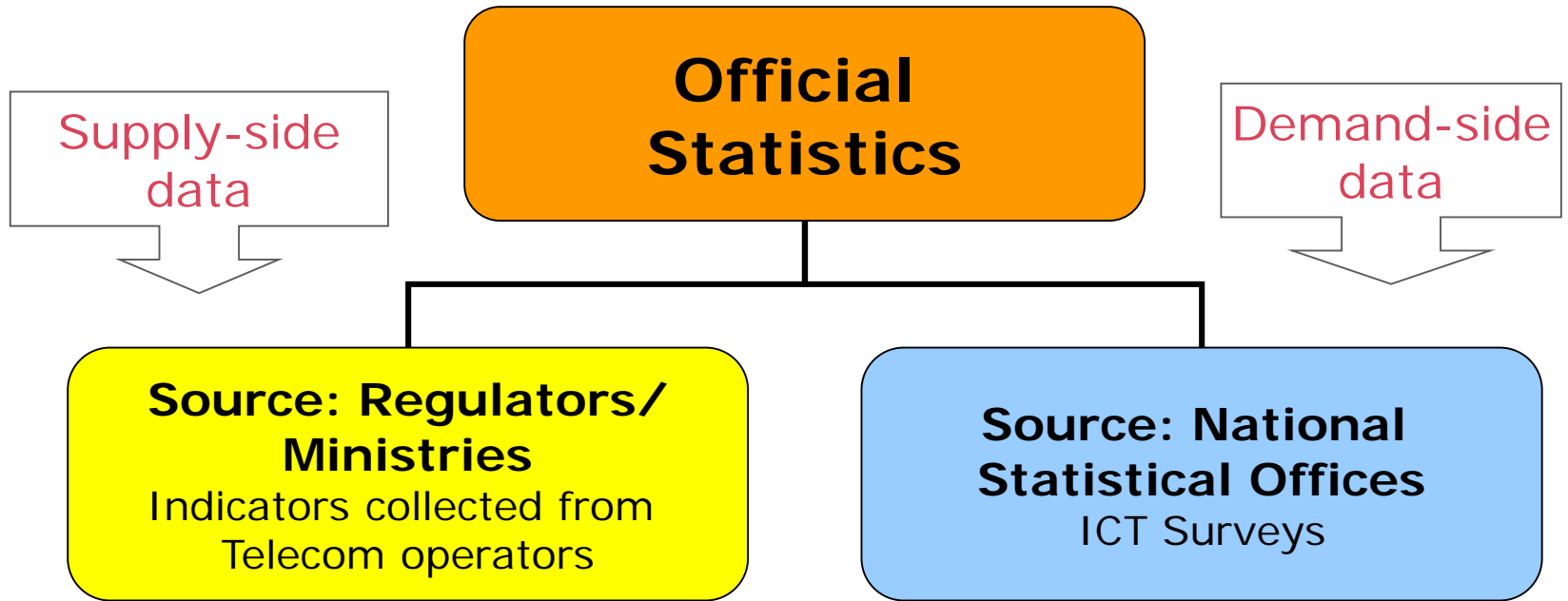


# Overview of ITU's work on ICT measurement

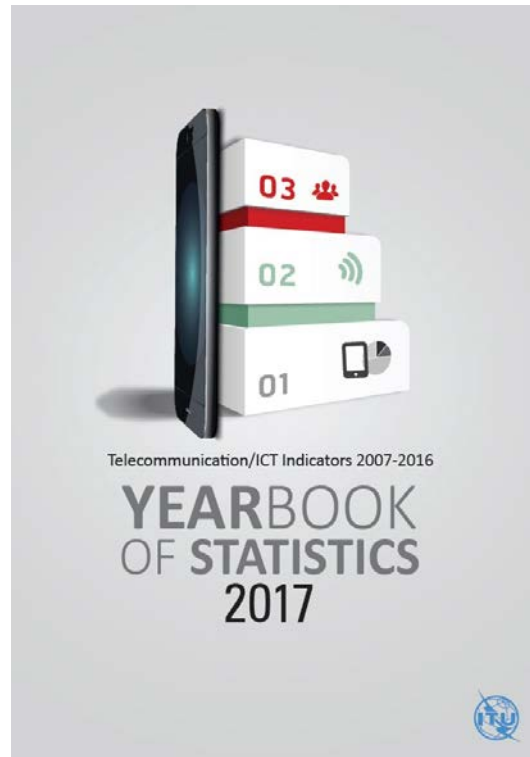
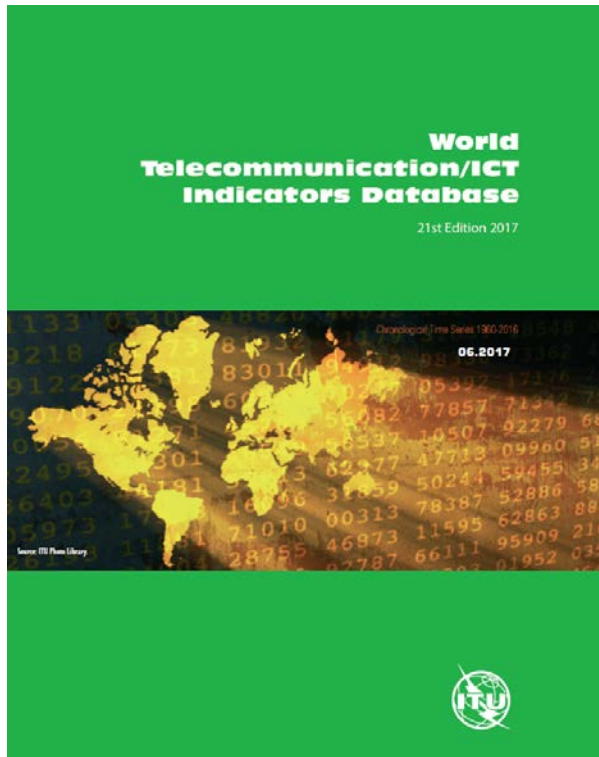
---

- Data collection and dissemination
- Data analysis and research reports
- Definitions and methodologies for ICT indicators
- Experts groups activities
- ICT Development Index
- International Cooperation
- Trainings on ICT data collection
- Future Plans

# Data Collection



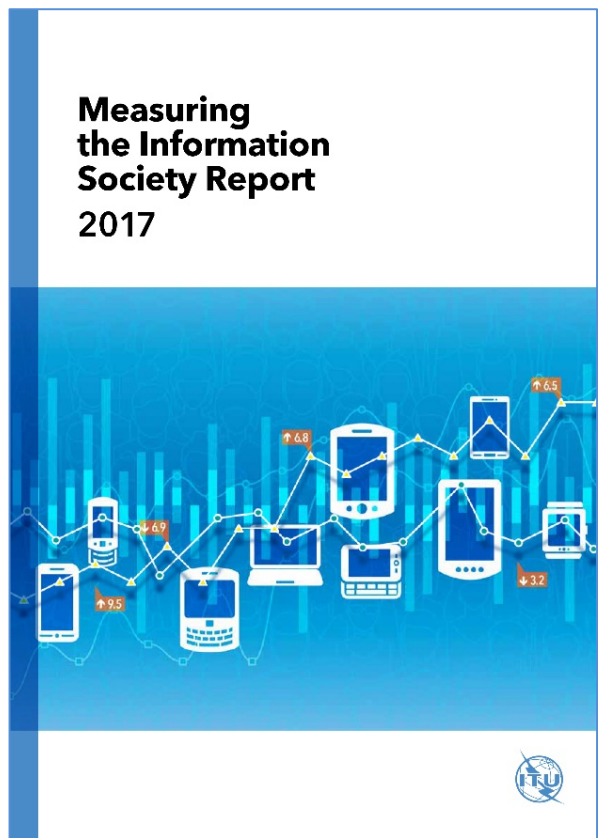
# Dissemination of ICT data





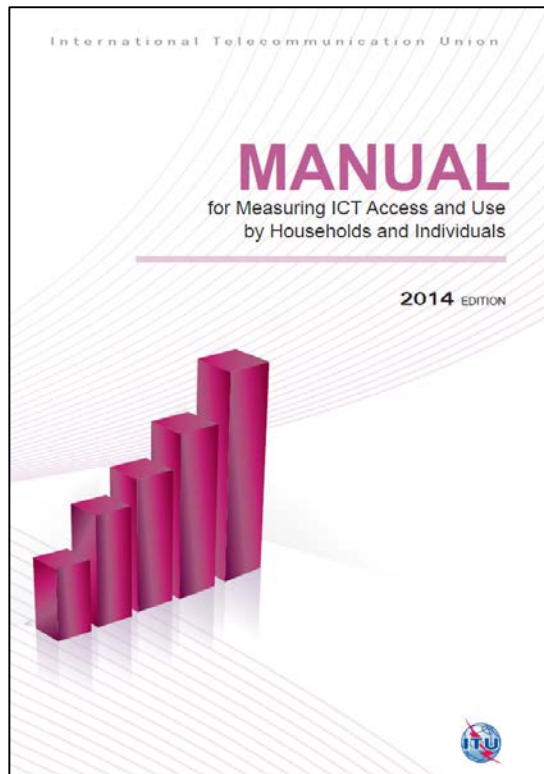
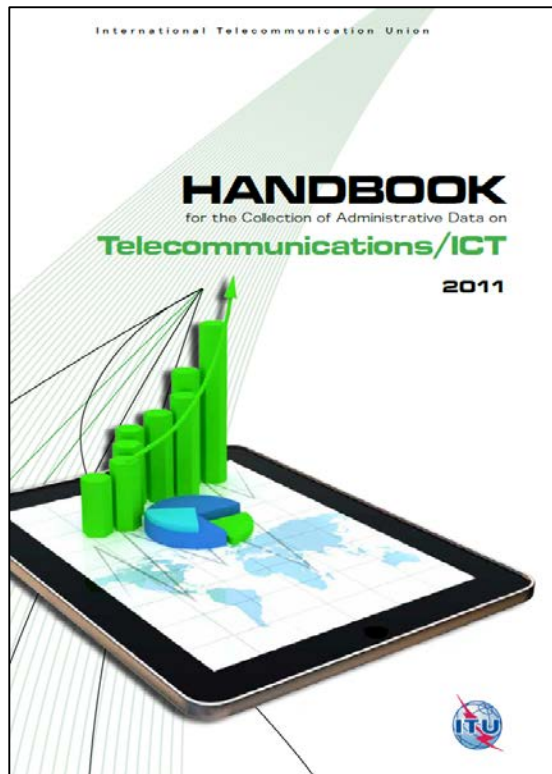
# Data analysis and research reports

---



**ICT  
FACTS AND  
FIGURES  
2017**

# Definitions and methodologies for ICT indicators



- Methodologies are improved through the Expert Group on Telecommunication indicators (EGTI) and Expert Group on Household ICT indicators (EGH)

# Expert Group on Telecommunication/ICT indicators (EGTI) and Expert Group on ICT Household Indicators (EGH)



- Main objectives:
  - EGTI
    - Revision of the telecommunication/ICT indicators *and*
    - Revision of the ITU Handbook on telecommunication/ICT indicators
  - EGH
    - Revision of the Household core ICT indicators *and*
    - Revision of the ITU Manual for Measuring ICT Access and Use by Households and Individuals
- Works through an online forum
- Meet once a year and reports back to the World Telecommunication/ICT Indicators Symposium (WTIS)





# The Extraordinary Meeting of the Expert Groups

---

- The Extraordinary Meeting of the Expert Group took place in Geneva, Switzerland, on 1-3 March 2017.
- Joint EGTI and EGH meeting agreed on a revised set of indicators to be included in the IDI based on the two input documents prepared by:
  - ✓ EGTI sub-group that developed a proposal
  - ✓ the proposals from an independent group of experts.



# Indicators Included in new IDI

ACCESS	USE	SKILLS
PERCENTAGE OF HOUSEHOLDS WITH A COMPUTER	PERCENTAGE OF INDIVIDUALS USING THE INTERNET SDG	MEAN YEARS OF SCHOOLING
PERCENTAGE OF HOUSEHOLDS WITH INTERNET ACCESS	ACTIVE MOBILE-BROADBAND SUBSCRIPTIONS PER 100 INHABITANTS	GROSS ENROLLMENT RATIO (SECONDARY LEVEL)
INTERNATIONAL INTERNET BANDWIDTH (BIT/S) PER INTERNET USER	MOBILE-BROADBAND INTERNET TRAFFIC PER MOBILE-BROADBAND SUBSCRIPTION	GROSS ENROLLMENT RATIO (TERTIARY LEVEL)
PERCENTAGE OF THE POPULATION COVERED BY MOBILE NETWORKS - AT LEAST 3G - AT LEAST LTE/WIMAX SDG	FIXED-BROADBAND INTERNET TRAFFIC PER FIXED-BROADBAND SUBSCRIPTION	PROPORTION OF INDIVIDUALS WITH ICT SKILLS SDG
FIXED-BROADBAND SUBSCRIPTIONS BY SPEED TIERS AS A % OF TOTAL FIXED-BROADBAND SUBSCRIPTIONS -256KBIT/S TO 2MBIT/S -2 TO 10 MBIT/S -EQUAL TO OR ABOVE 10 MBIT/S SDG	PERCENTAGE OF INDIVIDUALS WHO OWN A MOBILE PHONE SDG	

# 2018 EGTI/EGH Topics



## EGTI

- Indicators on spectrum allocation/assignment
  - Sub-group is created within EGTI
- Discussion items in the EGTI forum on:
  - Indicators on Quality of Service (QoS)
  - 5G related indicators
  - Indicators on fixed-mobile bundles

Discussion Boards	Topics	Posts	Last Post	Moderator(s)
<b>ICT/telecommunication indicators</b>				
001 - Coverage assessment	1	27	Today 10:56 AM by [User]	[Moderator]
002 - Package assessment	33	228	16 Nov 2017 11:52 AM by [User]	[Moderator]
003 - ITU handbook	2	14	16 Nov 2017 11:52 AM by [User]	[Moderator]
<b>EGTI meetings</b>				
004 - 1st EGTI meeting, 2013	8	9	16 Nov 2017 11:52 AM by [User]	[Moderator]
005 - 2nd EGTI meeting, 2012	3	10	16 Nov 2017 11:52 AM by [User]	[Moderator]
006 - 3rd EGTI meeting, 2011	2	0	16 Nov 2017 11:52 AM by [User]	[Moderator]
007 - 4th EGTI meeting, 2010	12	21	16 Nov 2017 11:52 AM by [User]	[Moderator]
<b>Information on the EGTI</b>				
008 - Welcome to the EGTI forum	1	10	16 Nov 2017 11:52 AM by [User]	[Moderator]
009 - Test of the EGTI	1	3	16 Nov 2017 11:52 AM by [User]	[Moderator]
010 - EGTI experience	5	7	16 Nov 2017 11:52 AM by [User]	[Moderator]
011 - EGTI Group	1	2	16 Nov 2017 11:52 AM by [User]	[Moderator]

## EGH

- Measurement of ICT skills
  - Sub-group has been created
- Review indicator HH8 on location of Internet use
  - Sub-group has been created
- Discussion items in the EGH forum on:
  - how to collect data on **cybersecurity** through ICT household surveys
  - how to collect data relating to **E-waste** through ICT household surveys
  - data relating to **child online protection**
  - how to collect data relating to **the Internet of Things (IoT)**
  - additional indicators on **e-commerce**

ITU-D Expert Group on Households Forum

Logged in as: [User]

Forum	Topics	Posts	Last Post
1a. E-commerce Promotion of the development of new e-commerce industries	4	8	Cross border e-commerce by [User] 10C, 8 Oct 17 about a month ago
1. Development of household indicators 2017: indicators on e-commerce and ICT skills Sub-forums: 1a. ICT skills	5	8	No Posts
2. Disaggregation of ICT Statistics by Disability Disaggregation of ICT Statistics by disability	1	1	ICT data disaggregated by disability by [User] 6 Oct 17 21 days ago
3. Improving data availability of ICT Statistics Enhancing production of ICT statistics	0	0	No Posts
4. Methodological issues Discussion of current indicators and definitions Sub-forums: 4a. Capturing IoT data (revision of HH8); 4b. Definition of computer; 4c. Definition of Smartphone - (HH10)HH11 module	1	3	Defining smartphones by [User] 6 Oct 17 21 days ago
5. Country Experiences Survey planning, coordination and implementation Sub-forums: 5a. Planning, financing and sampling strategies; 5b. National coordination; 5c. Data collection; 5d. Validation, Processing and Dissemination	4	4	Experiences in processing and dissemination by [User] 6 Oct 17 21 days ago
6. Big data for official statistics Country experience in the use of big data	1	1	Big data for official statistics by [User] 6 Oct 17 21 days ago
7. Review work Please post links for future work by the EGH	0	0	No Posts

# WTIS-2017

- WTIS-2017 held in Hammamet, Tunisia, from 14 to 16 November 2017
- WTIS-17 attracted 418 participants from 74 countries
- Measuring the Information Society Report 2017 was launched at the Symposium
- Delegates endorsed the work of the Expert Groups and new composition of ICT Development Index



# Trainings on ICT data collection

REGIONAL/ NATIONAL	PLACE	DATE	PARTICIPANTS	COUNTRIES
Regional	Almaty, Kazakhstan	31 January - 2 February 2018	86	11
Regional	Manila, Philippines	March 14-16, 2018	91	10
Regional	Lilongwe, Malawi	March 20-21, 2018	69	24
National	Lilongwe, Malawi	March 22-23, 2018	15	1
Regional	Manama, Bahrain	March 26-27, 2018	27	8
			<b><u>275</u></b>	<b><u>53</u></b>
National	Cotonou, Benin	24-25 April 2018		
Regional	Managua, Nicaragua	9-10 May		



# International Cooperation



- UN Statistical Commission
- Broadband Commission for Digital Development
- Inter-agency Expert Group on Sustainable Development Goal Indicators (IAEG-SDGs)
- Partnership on Measuring ICT for Development
- UN global working group on big data for official statistics





# Future Plans

---

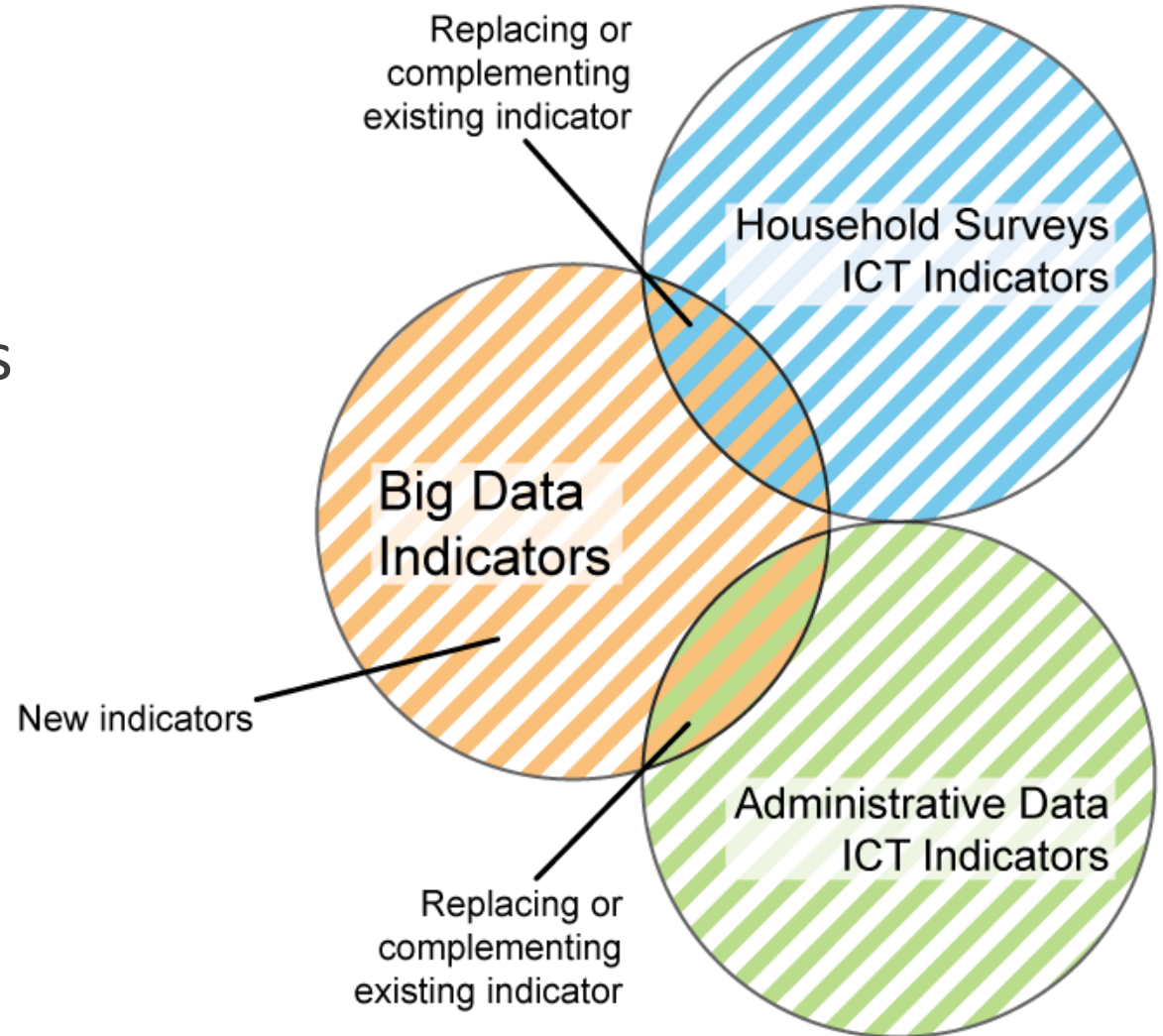
- Using Big data as a new source of official statistics
- Facilitate ITU data dissemination by automating access to data (via Application Program Interfaces (API), dashboards)
- Use machine learning to anticipate future trends in ITU statistics (predictive analytics)
- Enhance impact measurement of ITU projects using innovative econometric approaches
- Automate data process – let machines do as much as possible, focus ITU human resources on high-value tasks
- Use state of the art data visualization tools

# Big Data – New Source of Official Statistics

## Objectives:

Complement existing indicators (disaggregation)

New indicators

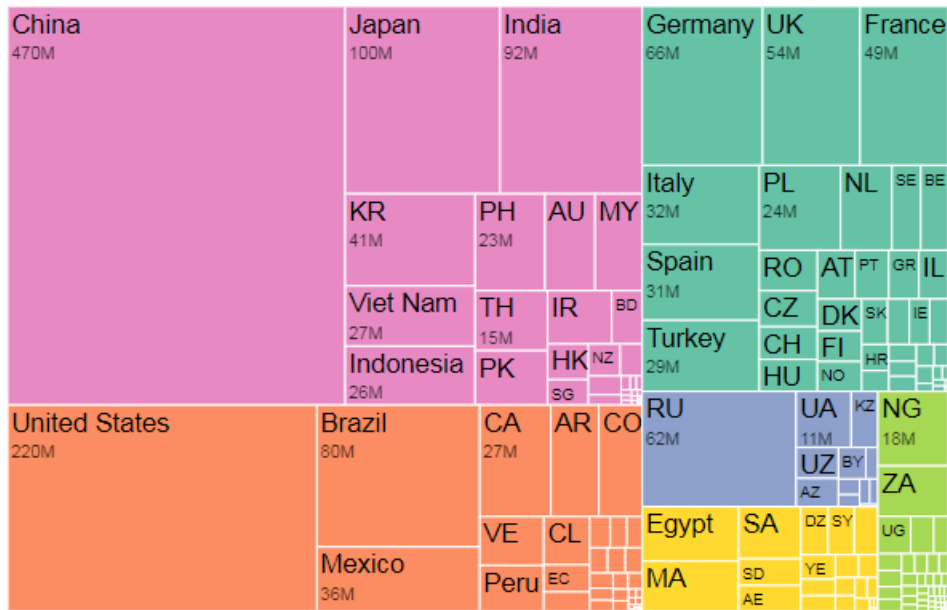




# Future: new data visualization



Total Internet users: 1,991 million



- Asia & Pacific
- The Americas
- Europe
- CIS
- Arab States
- Africa



**Thank you!**