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# WTIS-17 - Programme

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## PROVISIONAL PROGRAMME

Day 1: Tuesday, 14 November 2017	
09.00-09.15	<b>Opening of the exhibition</b>
09.30-10.00	<b>Opening ceremony</b>  Mr Brahima Sanou, Director, Telecommunications Development Bureau, ITU - <a href="#">[biography]</a>  H.E. Mr Mohamed Anouar Maarouf, Minister of Communication Technologies and Digital Economy, Tunisia - <a href="#">[biography]</a>  H.E. Mr Habib Dababi, Secretary of State for the Digital Economy, Tunisia - <a href="#">[biography]</a>
10.00-10.30	<i>Group picture and coffee break</i>
10.30-12.30	<b>Plenary Session 1: Fostering a healthy investment climate with better data</b>  This high-level session will bring together technology leaders, telecommunication regulators and national statisticians to discuss how the increased availability of comparable and quality data can support the formulation and implementation of public policies that help foster a healthy investment climate, especially in developing countries that are still struggling to fully benefit from ICTs. In many of these countries, there is a lack of data and information on many aspects of the national economy and society, including the state of ICTs, making it more difficult to support sound public and private decision-making on policies and investments. This session will highlight the importance of developing investment-friendly policy frameworks and the role of better data in signaling areas for potential market growth.  In particular, the session will address the following questions:  Which policy actions are key to developing an investment-friendly climate, in particular in the ICT sector?  What data are required to support the development of investment-friendly policies, in particular in developing countries?  What are the different perspectives of public and private actors on the use of data in economic decision-making?  How can governments and technology leaders work hand-in-hand to improve the availability and quality of ICT data that can serve as evidence-base for both policy making and investing  <b>Moderator:</b> Mr Cosmas Zavazava, Chief, Projects and Knowledge Management Department, ITU - <a href="#">[biography]</a>  <b>Keynote:</b> Mr Bowei Gai, Founder, World Startup Report - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a>  <b>Panelists:</b>

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As the UN specialized agency for ICTs, ITU is the official source for global ICT statistics. Find out more about how we produce and disseminate data, our main events and products. [More>](#)

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	<p>Mr Mbeuta Ua-Ndjarakana, Permanent Secretary, Ministry of Information and Communication Technology, Namibia - <a href="#">[biography]</a></p> <p>Mr Hichem Besbes, President, Telecommunication National Regulatory Authority of Tunisia (INTT), Tunisia - <a href="#">[biography]</a></p> <p>Mr Shahjahan Mahmood, Chair, Bangladesh Telecommunication Regulatory Commission, Bangladesh - <a href="#">[biography]</a></p> <p>Mr Hédi Saidi, Chief Executive Officer, National Statistics Office, Tunisia - <a href="#">[biography]</a></p> <p>Mr Soumalia Abdoulkarim, Secretary-General, African Telecommunications Union - <a href="#">[biography]</a></p>	
12.30-14.30	<i>Lunch break</i>	
14.30-16.00	<p><b>Plenary Session 2: Big data for measuring the information society</b></p> <p>The statistical community has recognized the potential of big data for official statistics, as well as for increasing impact by better targeting ICT investment efforts. The use of big data will bring a number of benefits including more cost-effective production of timely, relevant, and new official statistics. However, in order for these big data benefits to materialize, issues related to methodology, technical resources and capacity, data access, data protection, and data privacy need to be addressed.</p> <p>This session will showcase the results of the ITU pilot project on big data for measuring the information society.</p> <p>In particular, the session will address the following questions:</p> <p>What new insights are generated from using big data to derive ICT indicators vis-a-vis traditional data collection methods?</p> <p>How can the insights from the big data pilot projects be turned into actionable knowledge and support efforts to bridge the digital divide?</p> <p>What were the challenges faced by pilot countries in the use of big data to generate ICT indicators?</p> <p>How were pilot countries able to overcome these challenges and benefit from the use of big data for producing ICT indicators?</p> <p><b>Moderator:</b> Alexandre Barbosa, Head of the Regional Center for Studies on the Development of the Information Society (CETIC.br), Brazil and EGH Chair - <a href="#">[biography]</a></p> <p><b>Keynote:</b> Louis DiCesari, Head of Big Data Implementation, Vodafone Group - <a href="#">[biography]</a></p> <p><b>Panelists:</b></p> <p>Esperanza Magpantay, Senior Statistician, ICT Data and Statistics Division, ITU - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p> <p>Mohammed Ahli, Executive Director, National Statistics and Data Sector, Federal Competitiveness and Statistics Authority, United Arab Emirates - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p> <p>Alana G. Ramos, Division Chief, Program Monitoring Evaluation and Statistics Coordination, Department of Information and Communications Technology, Philippines - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p> <p>Juan David Olarte Torres, Head of Planning and Sectoral Studies, Ministry of Information and Communication Technologies, Colombia - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p>	
16.00-16.30	<i>Coffee break</i>	
16.30-17.30	<p><b>Tutorial: Data visualization and big data analysis tools</b></p> <p>Brief interactive tutorials on open-source and/or commercial tools for visualization and big data analysis.</p> <p><b>Moderator:</b> Tatiana Jereissati, Coordinator, UNESCO Projects, Brazilian Network Information Center (NIC.br), Brazil - <a href="#">[biography]</a></p> <p>Linus Bengtsson, Executive Director, Flowminder.org - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p> <p>Akmal Chaudhri, NoSQL and Spark</p>	<p><b>Demos: Crowdsourcing ICT data</b> (Room: Amphitheatre Cesar)</p> <p>Series of demos on innovative initiatives to crowdsource the collection of ICT- related data.</p> <p><b>Moderator:</b> Khopotso Mtwazi, Director, Department of Telecommunications and Postal Services, South Africa - <a href="#">[biography]</a></p> <p>Christopher Amin, Senior Software Engineer, Research and Development, RIPE NCC - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p> <p>Wilson Chua, Managing Director and</p>

	<p>Technical Evangelist, GridGain Systems - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p> <p>Luis Aldo Sanchez, General Coordinator for Strategic Planning, IFT, Mexico - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p>	<p>Founder, Bandwidth Signal and Statistics (BASS) Project - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p> <p>Bjorn Forssell, Statistician, Statistics Sweden - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p>
19.00	<b>Welcome Cocktail</b>	

## Day 2: Wednesday, 15 November 2017

09.30-11.00	<p><b>Plenary Session 3: Measuring the Information Society Report 2017</b></p> <p>For the ninth consecutive year, ITU will publish the Measuring the Information Society Report. It features the latest ICT Development Index (IDI) and its global and regional analyses, highlighting progress made by countries as well as persistent digital divides. This year, the report will include country profiles of ICT developments. The report will also feature a chapter on emerging ICT trends such as artificial intelligence, big data, Internet of Things (IoT), cloud computing, and smart devices. This session will present the main findings of the report, focusing on the results of 2017 IDI, followed by a question and answer session.</p> <p><b>Moderator:</b> Johannes Bauer, Chair, Department of Media and Information, Michigan State University and Associate Editor, Telecommunications Policy - <a href="#">[biography]</a></p> <p><b>Panelists:</b></p> <p>Rati Skhirtladze, Head, ICT Data and Statistics Division, ITU - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p> <p>Esperanza Magpantay, Senior Statistician, ICT Data and Statistics Division, ITU - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p> <p>Lourdes O. Montenegro, Economist, ICT Data and Statistics Division, ITU - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p>
11.00-11.30	<i>Coffee break</i>
11.30-12.30	<p><b>Plenary Session 4: New data needs for the digital economy</b></p> <p>The evolution of technology is rapidly changing the way people live, communicate and do business. In the increasingly digital world, ICT skills are ever more important for accessing information, buying goods and services, and finding a job. New digital services constantly emerge, granting consumers and producers closer access to the global markets. At the same time, the ICT sector adds to global environmental challenges. E-waste constitutes one of the fastest growing streams of physical waste in today's global environment. New statistical needs emerge to track these trends and to support the development of evidence-based policies, in particular for the digital economy.</p> <p>During 2017, the Expert Group on Household Indicators (EGH) has strengthened its role as the key international standard-setting body for measuring ICT access and use by households and individuals.</p> <p>This session will feature:</p> <p>The work of the EGH since WTIS 2016, in the context of new data needs as a result of increasingly mobile and consumer-driven use of the Internet.</p> <p>Discussions on e-commerce and ICT skills, indicators on e-waste from household surveys.</p> <p>Recommendations and proposals for the future work of EGH.</p> <p><b>Moderator:</b> Linah Ngumba, Senior Statistician, Kenya National Bureau of Statistics, Kenya and EGH Vice-Chair - <a href="#">[biography]</a></p> <p><b>Panelists:</b></p> <p>Alexandre Barbosa, Head of the Regional Center for Studies on the Development of the Information Society (CETIC.br), Brazil and EGH Chair- <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p> <p>Kees Balde, Associate Programme Officer, United Nations University (UNU)-ViE SCYCLE - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p> <p>Elif Koksal-Oudot, Economist, Directorate for Science, Technology and Innovation, OECD - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p>
12.30-14.30	<i>Lunch break</i>

14.30-15.30	<p><b>Plenary Session 5: New metrics for broadband and cybersecurity</b></p> <p>As ICTs reach even higher levels of uptake worldwide, policy-makers are beginning to look beyond ensuring equitable access and focusing on promoting sustainable use and maximizing impact. As a result, one of the emerging challenges in measuring the digital economy is tracking the intensity of use, especially of broadband technologies. In parallel, as ICTs permeate a wider range of social and economic activities, the need to build confidence and security in the use of ICTs emerges as a key challenge to support ICT developments. Thus cybersecurity is an important albeit under-quantified building block of today and tomorrow's information society.</p> <p>Over the past year, the Expert Group on Telecommunication/ICT Indicators (EGTI) has stepped up a gear in its efforts to update the ICT metrics collected from the supply-side and keep abreast of the latest ICT developments.</p> <p>This session will feature:</p> <ul style="list-style-type: none"> <li>The work of the EGTI since WTIS 2016, including updates to the ICT price data collection methodology and the development of new fixed-network coverage indicators</li> <li>Discussions on the measurement of broadband traffic and cybersecurity</li> <li>Recommendations and proposals for the future work of the EGTI</li> </ul> <p><b>Moderator:</b> Mansour Al Shehry, Market Study Specialist, Communication and Information Technology Commission, Saudi Arabia - <a href="#">[biography]</a></p> <p><b>Panelists:</b></p> <ul style="list-style-type: none"> <li>Iñigo Herguera, Associate Professor of Economics, Complutense University of Madrid, Spain, and EGTI Chair - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></li> <li>Silvio De Nicola, Officer, AGCOM, Italy - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></li> <li>Syrine Tlili, CEO, National Digital Certification Agency, Tunisia - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></li> <li>Ivan Vallejo, Market Analyst, ICT Data and Statistics Division, ITU - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></li> </ul>	
15.45-16.00	<p><i>Coffee break</i></p>	
16.00-17.30	<p><b>Lightning Talks: Country Experiences</b></p> <p>Countries share their experience with the collection of ICT statistics. Topics discussed include coordination, ICT skills and big data for tourism statistics and e-commerce.</p> <p><b>Moderator:</b> Ebrahim Al-Haddad, Regional Director, ITU Arab Regional Office - <a href="#">[biography]</a></p> <ul style="list-style-type: none"> <li>Dominic Tafirenyika, Acting Manager, Zimbabwe National Statistics Agency, Zimbabwe - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></li> <li>Muhammad Arif Sargana, Director Economic Affairs, Pakistan Telecom Authority, Pakistan - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></li> <li>Eni Lestariningsih, Head of ICT Statistics Division, Statistics Indonesia - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></li> <li>Chandrajit Chatterjee, Deputy Director, Economic Statistics Division, Central Statistics Office, India - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></li> </ul>	<p><b>Lightning Talks: Partnership on Measuring ICT for Development</b> (Room: Amphitheatre Cesar)</p> <p>The Partnership will host a session on tracking the digital economy. The Partnership Task Group on ICT for the SDGs will present the work on developing a thematic list of ICT indicators to measure ICT availability and use in sectors relevant to the SDGs that are not covered in the global SDG indicators framework.</p> <p><b>Moderator:</b> Aulia Astagina Ramadhani, Head, Multilateral Affairs, Ministry of Communication and Information Technology, Indonesia - <a href="#">[biography]</a></p> <ul style="list-style-type: none"> <li>Scarlett Fondeur Gil, Economic Affairs Officer, Division on Technology and Logistics, UNCTAD - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></li> <li>Ramiz Uddin, Head of Results Management, a2i Programme, Prime Minister's Office, Bangladesh - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></li> <li>Elif Koksall-Oudot, Economist, OECD - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></li> <li>Martin Schaaper, Senior ICT Analyst, ICT Data and Statistics Division, ITU - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></li> </ul>

09.30-10.30	<p><b>Plenary Session 6: Measuring emerging ICT trends</b></p> <p>As ICT networks worldwide fully digitalize and converge, a vision for a hyper-connected future emerges, one where the spread of innovations in artificial intelligence, big data, IoT, and cloud computing are improving the quality of lives worldwide. However, these innovations risk creating new digital divides. To ensure that everyone shares equitably the potential benefits of these new technologies, there is a need to understand and measure these new divides.</p> <p>This session will introduce these new technologies and discuss emerging statistical challenges related to monitoring their development. The session will also highlight the uneven level of adoption of these new technologies in different regions of the world, and propose ways to accelerate their uptake and bridge these new divides.</p> <p>In particular, the session will address the following questions:</p> <p>What is the context giving rise to these emerging ICT trends?</p> <p>Which disruptive innovations are driving these emerging ICT trends? What implications do they have for ICT policies?</p> <p>Are new digital divides arising from the uneven spread of these innovations worldwide? How can they be tracked?</p> <p>How can effective evidenced-based policies be designed to accelerate the adoption of these emerging trends and ensure that nobody is left behind?</p> <p><b>Moderator:</b> Jinqiao Chen, Deputy Chief Engineer, China Academy of Information and Communications Technology, China - <a href="#">[biography]</a></p> <p><b>Keynote:</b> Johannes Bauer, Chair, Department of Media and Information, Michigan State University and Associate Editor, Telecommunications Policy - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p> <p><b>Panelists:</b></p> <p>May Amr, Director, Data acquisition and annotation, Cairo Operations Lead, Affectiva - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p> <p>Nicolas Friederici, Postdoctoral Researcher, Oxford Internet Institute, University of Oxford - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p> <p>João Noronha, Head of Statistics and Market Research, Autoridade Nacional de Comunicações, Portugal - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p>
10.30-10.45	<i>Coffee break</i>
10.45-11.45	<p><b>Plenary Session 7: Smart data for smart sustainable cities (SSCs)</b></p> <p>With the explosion of urban populations, providing public services efficiently and sustainably is becoming an increasingly important challenge. ICTs are helping to meet this challenge by unlocking the potential of digital data to make cities smart and sustainable.</p> <p>This session will discuss the public policies needed to promote smart and sustainable cities and look into indicators to measure their development and operation.</p> <p>In particular, this session will address the following questions:</p> <p>How are governments tracking progress towards achieving smart and sustainable cities? Which additional indicators would be needed to track this progress?</p> <p>Which data and data policies are needed to enable smart sustainable cities?</p> <p>How can the impact of innovations related to the use of ICTs in smart cities (e.g. in transport, energy, waste management) be monitored?</p> <p><b>Moderator:</b> Mohamed Hamdi, Director of Innovation, El Ghazala Communication Cyberparc, Tunisia - <a href="#">[biography]</a></p> <p><b>Panelists:</b></p> <p>Faruk Tuncer, Public Policy Expert for Urban and Regional Policy, Germany - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p> <p>Kwan Kee Ng, Executive Manager, Research and Statistics Unit, Info-communications Media Development Authority, Singapore - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p> <p>Xiaobing Wei, General Manager of Xianyang Branch, China Telecom, China - <a href="#">Presentation (pdf)</a> - <a href="#">[biography]</a></p>

11.45-12.30	<p><b>Plenary Session 8: Transforming emerging technologies into economic opportunities with better data</b></p> <p>The emergence of new technologies such as big data, IoT, cloud computing, and artificial intelligence will usher in an era of ubiquitous computing and automation that will radically transform human societies. These technologies represent new and exciting economic opportunities but they can also bring about significant economic displacement. With the future fast approaching, businesses, governments, and citizens worldwide need to begin the crucial conversation over how to ensure shared prosperity within individual countries and between developed and developing regions worldwide.</p> <p>This multi-stakeholder panel will review insights from the various sessions of WTIS-17 that shed light on the policy challenges related to balancing the economic gains and losses from the coming widespread adoption of big data, IoT, cloud computing, and artificial intelligence. Panelists will share their main take-away messages from the Symposium and make suggestions for key topics to be addressed by WTIS-18.</p> <p><b>Moderator:</b> Cosmas Zavazava, Chief, Projects and Knowledge Management Department, ITU - <a href="#">[biography]</a></p> <p><b>Panelists:</b></p> <p>Alexandre Barbosa, Head of the Regional Center for Studies on the Development of the Information Society (CETIC.br), Brazil and EGH Chair - <a href="#">[biography]</a></p> <p>Johannes Bauer, Chair, Department of Media and Information, Michigan State University and Associate Editor, Telecommunications Policy - <a href="#">[biography]</a></p> <p>Jinqiao Chen, Deputy Chief Engineer, China Academy of Information and Communications Technology, China - <a href="#">[biography]</a></p> <p>Mohamed Hamdi, Director of Innovation, El Ghazala Communication Cyberparc, Tunisia - <a href="#">[biography]</a></p>
12.30-14.30	<i>Lunch break</i>
14.30-16.00	<b>Presentation of Chair's summary and conclusions</b>
16.00-16.30	<b>Closing ceremony</b>

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