



The Arab Regional Forum on  
“New Technologies for Development”

Cairo, Egypt 23-24 November 2016

**Draft Agenda**

23 November 2016	
08:30 – 09:00	<b>Registration</b>
09:00 – 09:30	<b>Opening and welcome</b> <ul style="list-style-type: none"><li>- NTRA</li><li>- ITU Arab Regional Office</li><li>- Nile University</li></ul>
09:30 – 10:00	<b>Briefing on the Outcomes of the World Telecommunication Standardization Assembly (WTSA)</b>
10:00 – 12:00	<b>Session 1: IMT-2020 / 5G</b> <p>The future of mobile communications is likely to be very different to today’s uses and applications. The global race to develop the fifth generation of mobile network (5G) has started. While 5G will follow in the footsteps of 4G and 3G, it is expected to be much more than just another generation of mobile connectivity. 5G will be the main platform for digitizing society and economy, by building on the convergence between mobile and fixed technologies, capable of delivering inclusive and highly customized services to a diverse range of users.</p> <p>Every industry will be affected by 5G which will be the platform enabling growth in many industries, ranging from the IT industry to the automotive, entertainment, agriculture and manufacturing industries.</p> <p>The development of 5G will deliver significant societal benefits both in terms of new consumer services and opportunities of economic growth.</p> <p>In this regard , the following topics will be discussed during the session</p> <ul style="list-style-type: none"><li>- What are the challenges for 5G fixed-mobile convergence?</li><li>- How much is 5G going to cost regulators , operators and consumers?</li><li>- When will it be deployed in the Arab Region?</li></ul> <p>The panel will address 5G standardization priorities, milestones and approach from the perspective of governments and related industrial associations and fora.</p> <b>Q&amp;A</b>
12.00-12.30	<b>Coffee Break</b>

12:30 – 14:30	<p><b>Session 2: Cloud Computing</b></p> <p>Cloud computing started booming less than five years ago with the huge investments provided by private sector companies like Google, Microsoft and Amazon. Just like how electricity was generated locally and now it is provided to the user by the grid, it seems like we are heading towards a future where computing power and storage will be provided by the cloud. In the past few years cloud computing services focused on market opportunities to make services such as email or even proprietary operating systems and software more efficient, cheap, and promote collaboration. We have seldom seen applications of cloud computing on a mass scale in the development sector except for areas like scientific research, particularly in developed countries. It is foreseen that in the future applications of cloud computing in sectors like the education, health sectors or even governmental services will be mainstream. The benefits of this are numerous but so are the challenges particularly in developing countries.</p> <p>This session will explore the opportunities, benefits and challenges that may face the deployment of cloud computing in development fields in the Arab region. Global and regional best practices will be presented. In addition, the outcomes of a study developed by the ITU and the Arab League Educational, Cultural, and Scientific Organization (ALECSO) on the development of a cloud migration plan for Arab educational and research institutions will be presented.</p> <p><b>Q&amp;A</b></p>
14:30 – 15:00	<b>Information Session: Academia membership in ITU</b>
15:00 – 16:00	<b>Lunch Break</b>

<b>24 November 2016</b>	
9:00 – 11:30	<p><b>Session 3: Big Data</b></p> <p>The huge volumes of generated data from different classical and new sources and the need to analyze them and deduct value in shorter times have given rise to big data technologies and data science techniques.</p> <p>This has also been accompanied by severe transformations in the business and industries that necessitate new strategies throughout the whole value chain; business model innovation, organization structure as well as governance.</p> <p>This session will shed the light on the following:</p> <ul style="list-style-type: none"> <li>• Technology trends in big data and data science</li> <li>• Big data case studies in different developmental projects and verticals</li> <li>• The big data transformations</li> <li>• New opportunities from government data (Egypt)</li> <li>• A startup experience (from the region) in big data: success story, challenges and transformations</li> </ul> <p><b>Q&amp;A</b></p>
11:30 – 12:00	<b>Coffee Break</b>

12.00 -13.30	<p><b>Session 4: Internet of Things: Toward a Smarter Living Style</b></p> <p>As the Internet of Things expands, its potential is being explored to boost the urban ecosystem. In this regard, the concept of IoT is being promoted as a key enabler for paving the way to smart sustainable cities. Smart sustainable cities are able to reap the benefits of a secure Internet of Things infrastructure to create safer, more efficient and environmentally conscious living corridors for the growing urban population.</p> <p>This session will reimagine the implementation of the IoT paradigm and address the current urban challenges by creating countless smart and sustainable solutions for advantage of the future generations.</p> <p>Main Discussion Points:</p> <ul style="list-style-type: none"> <li>- Adopting the IoT Paradigm: Challenges and Opportunities</li> <li>- Introduction to ITU-T Study Group 20 “IoT and its applications”</li> <li>- Fostering IoT innovation in smart sustainable cities</li> <li>- Resilience of the IoT Infrastructure in smart sustainable cities</li> <li>- Impact of IoT on Development in the Arab region</li> </ul> <p><b>Q&amp;A</b></p>
13:30 – 14:30	<p><b>Wrap up Session</b></p> <p>This session will focus on the outcomes of the sessions of the forum and propose recommendations that can be picked up by policy makers in the Arab region to promote these new technologies for the development of the Arab region. Moreover, ideas for possible new Arab Regional Initiatives will be discussed with the aim of presenting them to the upcoming Arab Regional Preparatory Meeting for the World Telecommunication Development Conference (WTDC) to be held in Khartoum, Sudan from 29 January to 1 February 2017. In addition, proposals by stakeholders particularly members of the ITU on how to promote the collaboration between the Development and Standardization sectors on those areas in light of the outcomes of the World Telecommunication Standardization Assembly and the prospective outcomes of the WTDC.</p> <p><b>Q&amp;A</b></p>
14.30 - 15.00	<p><b>Closing session /Remarks</b></p> <ul style="list-style-type: none"> <li>- NTRA</li> <li>- ITU Arab Regional Office</li> <li>- Nile University</li> </ul>
15:00 – 16:00	<b>Lunch Break</b>