



WTDC 17 Regional Initiative

ARB4: Internet of Things, Smart Cities and Big Data

ITU Arab Regional Office

Objectives and Expected Results

Objective: To raise and spread awareness of the importance of future challenges in the era of Internet of Things and big data and how to address such challenges; establish regulatory frameworks, take measures to help cope with the rapid changes in the field of telecommunications and information technology and work to ensure the transition to smart cities and communities.

Expected results

Assisting countries to:

- ARB4/1) formulate strategic and operational plans and regulatory frameworks to cope with Internet of Things and big data technology and formulate a road map for the Arab region for the transition to smart cities and communities by developing the telecommunications infrastructure to deliver the broadband services to support their various applications and services;
- ARB4/2) promote technical cooperation and the exchange of expertise between the Arab countries in the area of the Internet of Things, big data and smart cities and communities, study the impact thereof, whether positive or negative, and take advantage of global experience;



Objectives and Expected Results (Ctd)

- ARB4/3) organize a high-level forum on the Internet of things and big data to discuss the main challenges, such as security, privacy and system compatibility and the most prominent solutions, including digital object architecture; invite experts from industry to address the forum and hold a side meeting on the fringes of the forum with industry and the private sector;
- ARB4/4) get access to key studies, research and expertise on the Internet of Things and smart cities, including the big data for Arab States, on a page devoted to the Initiative on the website of the Arab Regional Office, and to help those Arab States that wish to obtain advice in this area;
- ARB4/5) build Arab capacities in the uses of big data as a supplementary or alternative method and low-cost resource for measuring sustainable development goal indicators, while enhancing the capacities of stakeholders to implement and analyse big data to measure key development indicators;
- ARB4/6) construct secure infrastructures to store the enormous amounts of data needed to create a smart environment;
- ARB4/7) identify and make use of existing centres of excellence and research and study centres in the Arab States to provide experts and expertise in the areas of the initiative; enter into cooperative partnerships and agreements to help raise the level of availability of broadband services in the Arab States; and use the Internet of Things and big data for development, formulate smart city indicators and measure progress on a regular basis.



Proposed Four Years Action Plan



Exp Res	2018	2019	2020	2021
ARB 4/1	Regional Forum on Emerging Technologies	<ul style="list-style-type: none"> Regional Forum on Emerging Technologies Develop strategic plans and regulatory frameworks to keep up with the age of Internet of things and big data and develop a road map for the Arab region to shift to smart cities and communities. 		
ARB 4/2		Assist countries in the Arab region on policies to create enabling environments for Big Data		
ARB 4/3	Annual Forum on Internet of Things & Smart Cities			
ARB 4/4	Assessment Study of Big Data ecosystem in the Arab region	Develop a platform for sharing the relevant studies and report on IoT, Smart Cities and Big data		
ARB 4/5	Workshop on Creating an Enabling Environment for Big Data			
ARB 4/6		Formulate project on Big Data for Development with interested stakeholders in the Arab region	Implement project on Big Data for Development with interested stakeholders in the Arab region	
ARB 4/7	CoEs Training Courses on IoT and Big Data	<ul style="list-style-type: none"> CoEs Training Courses on IoT and Big Data Development of Regional smart city Key Performance Indicators and progress measurement 		

ARB4 Estimated Budget (2018-2021)

Activities	700,000
Projects	300,000
Estimated Total	1 Million USD

Lead Countries



Lead countries are countries that have indicated a commitment towards assisting in the regional implementation of the regional initiative by hosting or funding regional activities

Thank You

- Open Discussion