

ITU ARO PROPOSED OP of RIs (2018-2021)



WTDC 17 Regional Initiative:

ARB1: Environment, climate change and emergency telecommunications

ITU Arab Regional Office

Objectives and Expected Results

Objective: To raise awareness of and provide support in respect of major challenges in the field of environment, climate change and emergency telecommunications, establish regulatory frameworks, and take necessary measures to address the challenges in this field.

Expected results

Assisting countries to:

- 1) Issue policy guidelines, regulatory and technical frameworks and necessary measures, providing them with information to meet their needs pertaining to this initiative, specifically in the area of exposure to electromagnetic fields (EMF), emergency telecommunications and the management of electronic waste
- 2) Launch training programmes on emergency telecommunications and the adverse effects of exposure to EMF and e-waste, find appropriate solutions to deal with these issues and formulate a model for making use of e-waste in a manner that supports development
- 3) Develop ICT applications on the basis of which awareness campaigns and programmes can be launched concerning the risks of exposure to EMF and the recycling and processing of e-waste.



Proposed Four Years Action Plan



ER	2018	2019	2020	2021
ARB1/1	<p>Development of Policy Guideline on Emergency Telecommunications in Arab Region (Model Policy ETs)</p>	<ul style="list-style-type: none"> • Development of Regulatory Framework on Human exposure to EMF (Model Policy) • Development of Model National Emergency Telecommunications Plans (Model NETPs) 	<ul style="list-style-type: none"> • Development of Strategic and Policy Guideline for the proper disposal or reuse of telecommunication/ICT generated E-Waste and its statistics • Development of National Emergency Telecommunications Plans (NETPs) to specific countries 	<ul style="list-style-type: none"> • Development of Policy Guideline on Human exposure to EMF to specific countries • Development of National Emergency Telecommunication Plans (NETPs) to specific countries • Development of Strategies and Policy Guidelines for the proper disposal or reuse of telecommunication /ICT generated E-Waste to specific countries

ER	2018	2019	2020	2021
ARB1/2	<ul style="list-style-type: none"> • Training workshop on E-Waste Statistics and EMF Measurements 	<ul style="list-style-type: none"> • Validation Training workshop on the Policy Guideline on Human exposure to EMF and ICT and ICT & Climate Change • Validation Training workshop on the Implementation of Model National Emergency Telecommunications Plans • Development and Implementation of Pilot Project on assessment of the Human exposure to EMF in Arab Region 	<ul style="list-style-type: none"> • Validation Training workshop on Strategic and Policy Guideline for the proper disposal or reuse of telecommunication/ICT generated E-Waste • Development and Implementation of Pilot Regional Project on E-waste monitor for Arab States 	<ul style="list-style-type: none"> • Training workshop on E-Waste, EMF, ICT & Climate Change and Emergency Telecommunications • Development and Implementation of Pilot Project on deploying Early Warning Systems (EWS) in specific Arab countries
ARB1/3	<ul style="list-style-type: none"> • Launch a campaign for development of Green ICTs App for Arab region. The app will have awareness info concerning the risks of exposure to EMF, e-waste management, ICT & Climate Change and use of ICTs in disaster management. The campaign to be lunch in full coordination with relevant ITU sectors and specifically with TSB. 			

ARB1 Expected Budget (2018-2021)

Activities	500,000
Projects	500,000
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



WTDC 17 Regional Initiative

ARB2: Confidence and security in the use of telecommunications/ICTs

ITU Arab Regional Office



Objectives and Expected Results

Objective: To promote confidence and security in the use of ICTs, child online protection and combatting all forms of cyberthreat, including the misuse of information and communication technologies.

Expected results:

Assisting countries to:

- 1) issue policy guidelines, regulatory and technical frameworks and necessary measures and to provide information to meet their needs pertaining to this Initiative, specifically in the area of child online protection and combatting all forms of cyberthreat;
- 2) continue to sharpen awareness of the strategies to be followed with regard to the technical teaching and research materials which Arab university students are to be provided and taught to build confidence and security in the use of ICTs;
- 3) protect Arab children and young people from offensive and harmful content on the Internet, particularly by helping to enact laws, legislation and strategies in this area and raising the awareness of children and young people of the risks by launching awareness campaigns, workshops and training programmes and making use of the Arab Regional Cybersecurity Centre;
- 4) develop ICT applications to help protect children online and combat all forms of cyberthreat, in collaboration with relevant bodies;
- 5) organize training courses and seminars on protecting critical telecommunications/ICT infrastructure;
- 6) prepare training programmes and provide experts to specialized academic institutions to educate and instruct university students and academics in building confidence in the use of ICTs; exchange information in this regard;
- 7) establish national computer incident response teams (CIRTs) in the Arab region with optimum coordination among them and between them and CIRTs in the other regions.



Proposed Four Years Action Plan



Exp Res	2018	2019	2020	2021
ARB 2/1		Development of Strategies and Guidelines for the proper technical teaching and research materials on building confidence and security in the use of ICTs		Assistance to selected countries on the development of cybersecurity policy and strategy
ARB 2/2	Regional Forum for Building Partnership in Field of Cybersecurity with Academia		Training workshop for Academia on the strategies that ITU developed for the proper technical teaching and research materials on building confidence and security in the use of ICTs	
Annual Regional Cybersecurity Summit				
ARB 2/3	Technical assistance to selected Arab countries in the development and/or implementation of their respective COP Action plans		Training workshop on COP	
COP Challenge				
ARB 2/4		Launch a campaign for development of COP App for Arab region		Launch a campaign for development of application for Arab region on cybersecurity
ARB 2/5	Workshop on Cybersecurity for Essential Services (Health, Education, Finance, etc..)		Training workshop on critical infrastructure protection	
ARB 2/6			Development of training curricula on building trust in the use of ICTs	Regional Academia meeting on cyber security
ARB 2/7	<ul style="list-style-type: none"> • Regional Cyber Drill for the Arab Region • Arab Cybersecurity Cooperation Team (ACCT) meeting • Assistance to selected country for the establishment of national CIRT 			

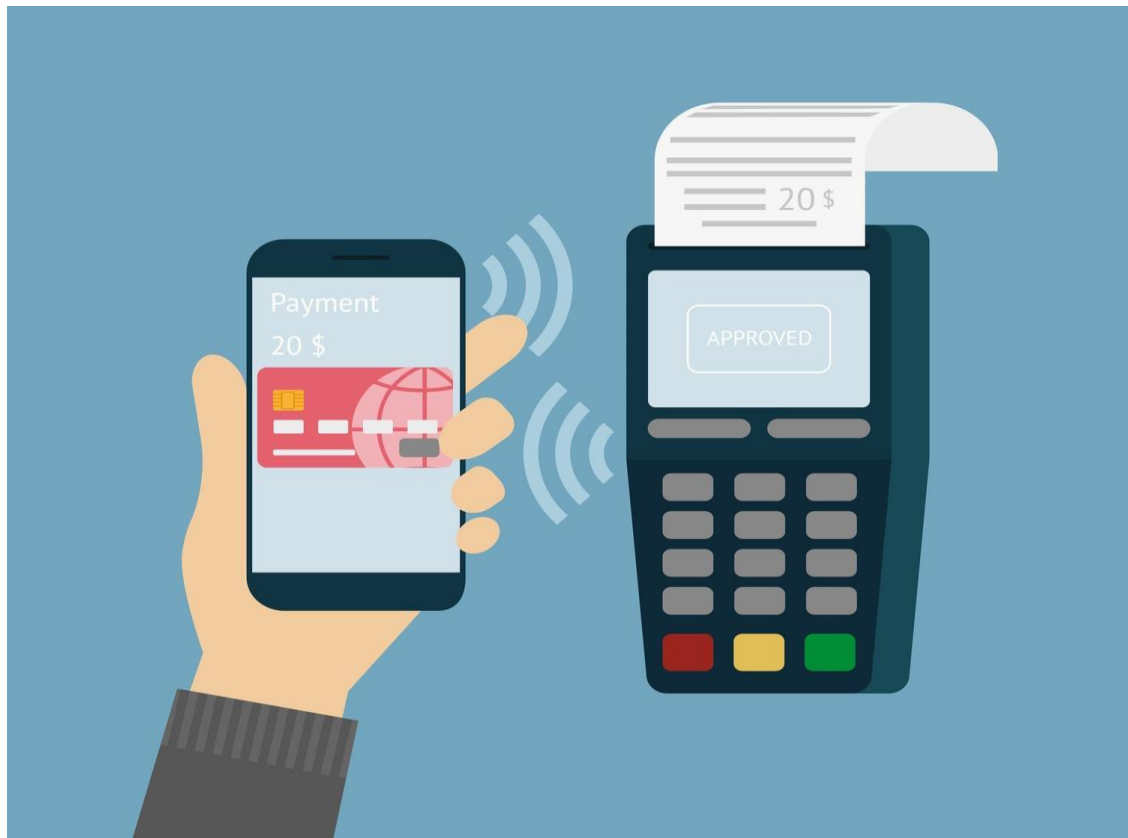
ARB1 Estimated Budget (2018-2021)

Activities	500,000
Projects	500,000
Estimated Total	1 Million USD

Lead Countries



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WTDC 17 Regional Initiative

ARB3: Digital Financial Inclusion

ITU Arab Regional Office



Objectives and Expected Results

Objective: To support and enable access to and use of digital financial services, using telecommunications and information technology, and achieving high levels of digital financial inclusion.

Expected results

Assisting countries to:

- 1) prepare studies to evaluate the digital financial inclusion situation and determine needs at national and regional levels and to benefit from international experience and best practices, while clarifying the link between financial inclusion, financial stability, financial integration and consumer protection;
- 2) raise awareness of the concept, practice and benefits of digital financial inclusion, in addition to presenting the dimensions of digital financial services in terms of ensuring and facilitating access to all financial services, and how to use them, as well as the quality of services, confidence, security and reliability;
- 3) provide advisory and technical support and the necessary training programmes to foster coordination between ICT service regulators and providers, on the one hand and financial service regulators and providers, on the other hand to achieve integration and convergence between the two sectors;
- 4) develop guiding regulatory and legal frameworks to stimulate and encourage the adoption of digital financial inclusion and establish public/private sector partnerships to ensure the protection of user privacy and data confidentiality and promote confidence and security in digital financial services;
- 5) attract financial and technical support from donor and funding entities and regional and international stakeholders to help achieve the objective and results of this Initiative, at the request of those Arab States that so wish.



Proposed Four Years Action Plan



ER	2018	2019	2020	2021
ARB3/1	Assessment Study of Digital Financial Inclusion in the Arab region		New Assessment Study of Digital Financial Inclusion in the Arab region	
ARB3/2	Web Accessibility Training for Financial Institutions	Capacity Building Programme for Policy Makers on DFS	Capacity Building Programme for Policy Makers on DFS	Capacity Building Programme for Policy Makers on DFS
	Digital Financial Inclusion Forum			
ARB3/3	Assist countries in the Arab region on Digital Financial Inclusion policies			
ARB3/4				
ARB3/5	Formulate project on Digital Financial Inclusion in collaboration with interested stakeholders in the Arab region	implement project on Digital Financial Inclusion in collaboration with interested stakeholders in the Arab region	Formulate phase 2 of project on Digital Financial Inclusion in collaboration with interested stakeholders in the Arab region	implement project on Digital Financial Inclusion in collaboration with interested stakeholders in the Arab region

ARB1 Estimated Budget (2018-2021)

Activities	500,000
Projects	500,000
Estimated Total	1 Million USD

Lead Countries



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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



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Objectives and Expected Results

Objective: To build capacities and raise awareness concerning the culture of innovation and entrepreneurship, in particular for youth and women's empowerment, with the aim of harnessing ICT tools to launch projects and undertake economic activities that focus on job creation.

Objectives and Expected Results

Expected results

Assisting countries to:

- ARB5/1) formulate national and regional mechanisms and strategies to stimulate and enrich the culture of innovation in telecommunications/ICT in the region, including relevant best practice;
- ARB5/2) while creating centres of creativity and new institutions, encourage and develop the role of existing institutions and incubator programmes that support micro, small and medium enterprises in the telecommunications/ICT field to enable young people to set up their own enterprises; take advantage of best practice in this area;
- ARB5/3) train young people of both sexes to take advantage of ICTs to promote the culture of innovation and entrepreneurship;
- ARB5/4) stimulate young people and students to be creative and innovative in developing Arabic language applications;
- ARB5/5) develop innovative ways of holding regional meetings, workshops and conferences electronically



Proposed Four Years Action Plan



Exp Res	2018	2019	2020	2021
ARB5 /1	Assist Countries on their innovation journey : Situational analysis of the ecosystem,		Organize an Innovation Challenge	Develop a sharing system among members for best practices and innovative projects
ARB5 /2	Formulating guidelines for strategy and priority projects	Assist Countries on their innovation journey : Road map, toolkits	Assessment and promotion of Regional Flagship projects	promote collaboration among Arab institutions and incubators that support micro, small and medium enterprises
ARB5 /3	Training on Entrepreneurship and digital skills			
ARB5 /4		Needs assessment for a personalised Arabic content for professional of technoparks, incubators and others	Facilitate the exchange by unifying the standards, KPI definition and practices among Arab incubators and others	Organize a high level event to promote developing Arabic language applications
ARB5 /5		Trainings on innovation and entrepreneurship ecosystem		
ARB5 /6		Development of national strategies on digital innovation and entrepreneurship.	Designing and developing a collaborative platform	Training of coaches and mentors (Experts)

ARB5 Estimated Budget (2018-2021)

Activities	500,000
Projects	500,000
Estimated Total	1 Million USD

Lead Countries



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Thank You

- Open Discussion