


REGIONAL INITIATIVES

WTDC 14 Regional Initiative

Use of telecommunications/ICTs for smart and sustainable
development and protection of the environment

ITU Arab Regional Office

Objectives and Expected Results

Objective: To raise awareness of the importance of sustainable development and environmental protection, and formulate legislation and regulatory frameworks in order to achieve smart and sustainable development.

Expected Results

Assistance to the countries in the following:

- Formulation of strategic plans and regulatory frameworks for the transition to smart and sustainable development in various relevant spheres
- Exchange of expertise between Arab countries in the field of smart and sustainable development in various spheres, and study of the negative effects resulting from e-waste and finding appropriate solutions to deal with it
- Addressing the challenges of scarce resources, for example water, in the Arab region by means of smart management of those resources using telecommunication/ICT applications
- Use of telecommunications/ICTs to confront the consequences of climate change for the Arab region, formulation of mechanisms to control emissions of harmful gases, and gradual transitioning to clean and sustainable energy
- Exchange of expertise in the field of policy of smart, sustainable and green cities in the Arab region, ensuring the gradual transformation of Arab cities to smart and sustainable cities.



PROPOSED THREE YEARS ACTION PLAN

2015 Activities

Expected Results

Assist Countries on:

1) Formulation of strategic plans and regulatory frameworks for the transition to smart and sustainable development in various relevant spheres

2) Exchange of expertise between Arab countries in the field of smart and sustainable development in various spheres, and study of the negative effects resulting from e-waste and finding appropriate solutions to deal with it

3) Addressing the challenges of scarce resources, for example water, in the Arab region by means of smart management of those resources using telecommunication/ICT applications.

4) Use of telecommunications/ICTs to confront the consequences of climate change for the Arab region, formulation of mechanisms to control emissions of harmful gases, and gradual transitioning to clean and sustainable energy

5) Exchange of expertise in the field of policy of smart, sustainable and green cities in the Arab region, ensuring the gradual transformation of Arab cities to smart and sustainable cities.

Activities

- Kick-off meeting on the formulation of a framework for cooperation with key regional organizations (Bahrain, 6 May)
- To be covered during the Kick off Meeting
- Implementation of Pilot Project on Smart Water Management
- Awareness Workshop on Emergency Telecommunication and the Tampere Convention for Arab Region (Kuwait, 24-26 Nov)
- Awareness Workshop on Smart Sustainable Cities for the Arab Region (UAE, 3-4 May)

2016 Activities

Expected Results

Assist Countries on:

1) Formulation of strategic plans and regulatory frameworks for the transition to smart and sustainable development in various relevant spheres

2) Exchange of expertise between Arab countries in the field of smart and sustainable development in various spheres, and study of the negative effects resulting from e-waste and finding appropriate solutions to deal with it

3) Addressing the challenges of scarce resources, for example water, in the Arab region by means of smart management of those resources using telecommunication/ICT applications.

4) Use of telecommunications/ICTs to confront the consequences of climate change for the Arab region, formulation of mechanisms to control emissions of harmful gases, and gradual transitioning to clean and sustainable energy

5) Exchange of expertise in the field of policy of smart, sustainable and green cities in the Arab region, ensuring the gradual transformation of Arab cities to smart and sustainable cities.

Activities

• Formulation of guidelines to develop strategic plans and regulatory frameworks

• Development of case studies report including Model Policy on E-waste

• High Level Expert Meeting on Smart Management of Scarce Resources
• Evaluation of the Pilot Project on Smart Water Management and recommendations to expand the project on a regional level.

• Launching of challenge on ICT Application to reduce the effect of climate change
• Regional Workshop on National Strategies for Sustainable Development including Disaster Risk Reduction, Climate Change Adoption for the Arab Region.
• Developing model plan on Emergency Telecommunications

• Policy Guidelines on transition toward smart cities

2017 Activities

Expected Results

Assist Countries on:

1) Formulation of strategic plans and regulatory frameworks for the transition to smart and sustainable development in various relevant spheres

2) Exchange of expertise between Arab countries in the field of smart and sustainable development in various spheres, and study of the negative effects resulting from e-waste and finding appropriate solutions to deal with it

3) Addressing the challenges of scarce resources, for example water, in the Arab region by means of smart management of those resources using telecommunication/ICT applications.

4) Use of telecommunications/ICTs to confront the consequences of climate change for the Arab region, formulation of mechanisms to control emissions of harmful gases, and gradual transitioning to clean and sustainable energy

5) Exchange of expertise in the field of policy of smart, sustainable and green cities in the Arab region, ensuring the gradual transformation of Arab cities to smart and sustainable cities.

Activities

• Assistance to adopt strategies and regulatory frameworks in selected countries

• Assistance to adopt policy on E-waste in selected countries

• Assistance to implement Project on Smart Water Management in selected countries

• Assistance to implement ITU climate change toolkits in selected countries
• Assistance to implement model Plan on Emergency Telecommunications in selected countries.

• Training on Guidelines on transition toward smart cities

Estimated Budget For 3 years

Activities	Estimated Budget USD	Prospective Stakeholders
Preparation of Strategies, Policy, Report and guidelines	630,000	Member states, sector members, UNEP, UNISDR, OCHA, ESCWA, WMO, WFP, FAO, ISSD, LAS, THUARYA, YAHSAT, SUHILSAT and ARABSAT
Organization of Workshops and Meetings	240,000	Member states, sector members, UNEP, UNISDR, OCHA, ESCWA, WMO, WFP, FAO, ISSD, LAS, THUARYA, YAHSAT, SUHILSAT and ARABSAT
Total	870,000	

Expected KPIs

<p>Expected results Assist Countries on:</p>	<p>Output to be Achieved Assistance provided on:</p>	<p>Key Performance indicators</p>
<p>Formulation of strategic plans and regulatory frameworks for the transition to smart and sustainable development in various relevant spheres</p>	<ul style="list-style-type: none"> Strategies plans and regulatory frameworks for the transition to Smart and Sustainable Development (SSD) formulated 	<ul style="list-style-type: none"> Strategies plans and regulatory frameworks published
<p>Exchange of expertise between Arab countries in the field of smart and sustainable development in various spheres, and study of the negative effects resulting from e-waste and finding appropriate solutions to deal with it</p>	<ul style="list-style-type: none"> Model policy on E-waste and Case studies Developed 	<ul style="list-style-type: none"> Case studies report including Model Policy on E-waste delivered
<p>Addressing the challenges of scarce resources, for example water, in the Arab region by means of smart management of those resources using telecommunication/ICT applications</p>	<ul style="list-style-type: none"> Study on Challenges to Smart Management of Scarce Resources 	<ul style="list-style-type: none"> Study on Challenges published
<p>Use of telecommunications/ICTs to confront the consequences of climate change for the Arab region, formulation of mechanisms to control emissions of harmful gases, and gradual transitioning to clean and sustainable energy</p>	<ul style="list-style-type: none"> Promotion of ITU climate change toolkits Formulation a model plan on Emergency Telecommunications in selected countries 	<ul style="list-style-type: none"> ITU climate change toolkits promoted Model Plan on Emergency Telecommunications disseminated
<p>Exchange of expertise in the field of policy of smart, sustainable and green cities in the Arab region, ensuring the gradual transformation of Arab cities to smart and sustainable cities.</p>	<ul style="list-style-type: none"> Lessons learnt on smart and sustainable cities exchanged. 	<ul style="list-style-type: none"> Guidelines on transition toward smart cities published



THANK YOU

Open Discussion