



## ITU-CITET Regional Training Workshop on ICT and Climate Change Mitigation and Adaptation in Arab Region

Tunis, Tunisia 12-13 July 2017

**Day1: 12 July 2017**

08:30 - 09:00 Registration

09:00 - 09:30 Opening Session:

**Moderator:**

**Mr Zied Rouissi, Advisor, Ministry of Local Affairs and Environment**

**Speakers:**

- **Mrs Amel JRAD, General Manger, Tunis International Centre for Environmental Technologies**
- **Dr Bilel Jamoussi, Chief, Study Groups Department of Telecommunication Standardization Bureau International Telecommunication Union**
- **H E Mr Mohamed Anouar Maarouf, Minister of Communication Technologies and Digital Economy-Tunisia**
- **H E Mr Riadh Mouakher, Minister of Local Affairs and Environment-Tunisia**

09:30 - 10:00 Coffee Break and Group Photo

**10:00 - 11:30 Session1: Overview of ICT & Climate Change**

This session sets the scene for discussions on the topic of ICT and climate change through generic presentations that covers the work of international and regional bodies in the area of ICT and Climate change.

- International and regional cooperation structures in areas related to ICT & CC
- ITU's role and activities in Climate Change
- Introduction to ITU Training programme on ICT and climate change

**Moderator:**

**Mrs Rym Ben Ammar Guizani, Head of International Cooperation (CITET)**

**Speakers:**

- **Dr Bilel Jamoussi; Chief, Study Groups Department- ITU-T**
- **Eng Mustafa Al Mahdi- ITU;**
- **Dr Keith Dickerson - ITU expert**

**11:30 - 12:30 Session2: Evidence for Climate Change and the link to ICTs**

This session will introduce the linkage between ICTs and climate change, looking at both the positive and negative effects of ICTs on climate change. The topics will discuss:

- Energy efficiency of ICT
- The role of ICTs in monitoring the environment
- Climate change adaptation using ICTs

**Moderator:**

**Eng Mustafa Al Mahdi- ITU**

**Speakers:**

- **Dr Dave Faulkner - ITU expert**
- **Mrs. Nevine Tewfik, Vice Chairman of ITU-T Study Group 5 (Remotely)**

**12:30 - 13:30 Lunch Break**

**13:30 - 15:00 Session3: Roles of Stakeholders**

The session aims to raise awareness on the need of a multi-stakeholder participation to implement international agreements on combating climate change. The roles of the following stakeholders will be covered:

- Ministry of Local Affairs and Environment Tunisia (MLAE-Tunis)
- CITET-Tunis
- UNDP-Tunis
- ITU Smart Sustainable Development Model (SSDM)

**Moderator:**

**Eng Mustafa Al Mahdi- ITU**

**Speakers:**

- **Eng Mustafa Al Mahdi: ITU Smart Sustainable Development Model (SSDM)**
- **Ms Jihene Touil-Manager, Climate Change and disaster risk management portfolio- UNDP Tunisia**
- **Ms Amel Akremi – Director, Ministry of Local Affairs and Environment Tunisia**
- **Mrs Rym Ben Ammar Guizani, Head of International Cooperation (CITET)**
- **Dr Dave Faulkner - ITU expert**
- **Dr Keith Dickerson- ITU expert**

**15:00 - 16:00 Session4: The role of Policy Makers &Regulators in ICT & Climate Change**

The session is aiming to introduce the role of major stakeholders on ICT policy and regulatory issues related to climate change challenges. The discussions will include:

- Regulators in the telecommunications and energy sector focusing on their functions
- Overview of regulatory activities and trends in ICT and Energy Sectors
- Emerging issues for regulators due to the role ICTs can play in tackling climate change issues.

**Moderator:**

**Mrs Rym Ben Ammar Guizani, Head of International Cooperation (CITET)**

**Speakers:**

- **Dr Dave Faulkner- ITU expert**
- **Dr Keith Dickerson- ITU expert**

**Day2: 13 July 2017**

## 09:00 - 10:00 Session5: Telecom/ICT Service Provider Strategies

This session focuses on the impact and importance of improving energy efficiency of ICT equipment. The discussions will cover:

- How Telecommunications/ICT service provider equipment impact GHG emissions
- How Telecom Services Providers can improve energy efficiency of IT equipment
- How adopting new technologies and services has impact on reduced energy consumption

**Moderator:**

**Eng Mustafa Al Mahdi- ITU**

**Speakers:**

- **Mr Philip KELLEY- Rapporteur, SG2 Q6/2 (ITU-D) (Remotely)**
- **Dr Dave Faulkner - ITU expert**
- **Dr Keith Dickerson - ITU expert**
- **Tunisia Telecom**

## 10:00 - 11:00 Session6: Green ICT strategies

The session covers a wide range of green technologies used to mitigate climate change, including smart e-services. The discussions will include:

- Smart metering and smart grids
- Sustainable buildings/Smart Cities
- E-government/e-commerce/e-learning/e-agriculture/e-health

**Moderator:**

**Dr Bilel Jamoussi, Chief, Study Groups Department**

**Speakers:**

- **Dr Keith Dickerson- ITU expert**
- **Mr Elyes Jribi-Smart city project – Tunisia**
- **Mr Walim MERDASSI- E-waste project-Tunisia**

**11:00 - 11:30 Coffee Break**

## 11:30 - 12:30 Session7: Measuring the Impact of ICT on Climate Change

This session discusses methodologies available to assess the impact of ICT on climate change, principles, approximations and assumptions to be made when assessing the carbon footprint and the use of carbon databases. The session will cover how to measure carbon footprint at many levels including:

- Company level
- Sector level
- Country level

**Speaker:**

- **Dr Dave Faulkner- ITU expert**

## **12:30 - 13:30 Session8: Best practices on sustainable energy/electricity generation in various countries**

The session is aiming to bring together case studies from the region showcasing best practices on sustainable energy/electricity generation. The following case studies will be discussed:

**Moderator:**

**Eng Mustafa Al Mahdi- ITU**

**Speakers:**

- **Dr Dave Faulkner and Dr Keith - ITU experts ( EUROPE experiences)**
- **Mr Nafaa BACCARI National Agency for Energy Conservation ANME-Tunisia**
- **Eng Eiman Farouq, Vice Chairman of ITU-T Study Group 5**

## **13:30 - 14:00 CLOSING AND RECOMMENDATIONS**

This session will act as wrap-up and provide the key point findings on the ICT & Climate Change along with recommendations for ITU members, municipalities, environmental ministries, policy makers, private sector and national and international agencies working on climate change and environment.

**Moderator:**

**Mr Zied Rouissi, Advisor, Ministry of Local Affairs and Environment**

**Speakers:**

- **Dr Bilel Jamoussi, Chief, Study Groups Department, ITU Representative**
- **Mrs Amel Jrad, General Manager of Tunis International Center for Environmental Technologies**