

TECHNICAL NOTEBOOK “ICT, ENVIRONMENT AND CLIMATE CHANGE”

The XVII Meeting of Permanent Consultative Committee I Telecommunications/Information and Communication Technologies (PCC.I),

RECOGNIZING:

- a) The impact of ICTs on the economic, cultural and social development of countries, and the importance of identifying and evaluating both direct and indirect impact they generate to the environment and climate change as well as the importance of evaluating the impact of mitigation, which involves the adoption of ICT for environmental conservation in other relevant sectors;
- b) That in the framework of the United Nations, and in accordance with the Millennium Development Goals agreed on by all the countries, ICTs are an essential tool which can contribute to the achievement of the key objectives;
- c) The responsibility of the States not only in promoting access to the ICTs but also in protecting their proper use and the impact they cause, always based on solid environmental awareness;
- d) That International and regional Organizations not only have a key role in the spreading, technical cooperation, and assessment of the results but also provide the ground for exchange and mutual collaboration between the countries,

CONSIDERING:

- a) That within the CITEI framework, the Mexico Declaration approved at the V Regular Meeting of the Assembly of CITEI, stated that to continue to move forward in building the Information and Knowledge-based Society in the Americas, it is advisable to reaffirm our commitment to promoting the growth of telecommunication/ICT infrastructure through public and private investment, and to establish mechanisms access at affordable costs, benefiting, mainly the most disadvantaged sectors of the populace;
- b) That it is of vital importance to identify the information developed in the field of the ICTs, environment and climate change in order to appropriately preserve the ecosystem and analyze harmful factors which have a negative impact on the environment;
- c) That it is essential to have a regional guide or manual compiling of the best practices related to ICTs management so as to favor social and economic development without harming the environment and work jointly to mitigate the effects caused by the climate change,

TAKING INTO ACCOUNT:

That it is beneficial for the Member States of CITEI and the associate members to have information about private and public practices and policies which are either implemented or being developed for use by ICTs in order to favor the environment, the use of said technologies in the mitigation of the effects of climate change and its use in strategic sectors,

¹ CCP.I-TIC/doc. 2114/10 rev.1

RESOLVES:

- 1) To approve the creation of a Technical Notebook on “ICT, environment and climate change”, aiming at providing updated and detailed information about the experiences, practices and policies being developed by Member States of CITEI and related to the use of ICT and environment preservation, as well as those which have allowed for mitigation of climate change effects in the region. The structure of the technical notebook is attached in Annex of the present Resolution.
- 2) To designate as coordinator of the present technical notebook the Rapporteurship on ICT, environment and climate change from the Ecuador Administration. The Rapporteurship will be in charge of both collecting and updating the information submitted by the Member States and associate members.
- 3) To request the Executive Secretariat of CITEI to distribute this Resolution among the Administrations so as to begin the information compilation process.

ANNEX TO RESOLUTION PCC.I/RES. 173 (XVII-10)

Chapter 1: Introduction

- 1.1 Purpose of the Study
- 1.2 Problem Discussion
- 1.3 Study constraints

Chapter II: Problem Analysis

- 2.1 Figures and numbers related to the Climate Change problem
- 2.2 ICTs and Climate Change General environment
- 2.3 Environmental divide
- 2.4 Policies implemented at world level in the Telecommunications, ICT and climate change environment.
- 2.5 Carbon footprints in the ICT and Telecommunications Sector
 - 2.5.1 Anthropogenic effects
 - 2.5.2 Carbon footprint reduction policies
 - 2.5.3 Best practices in the countries of the Region for carbon footprint reduction
 - 2.5.4 Use and application of the ICT and Telecommunications for carbon footprint reduction
 - 2.5.5 Use of the ICT and Telecommunications for carbon footprint reduction in strategic sectors
 - 2.5.6 Green technologies aimed at reducing the carbon footprint
 - 2.5.7 Electronic and cyber waste management
 - 2.5.8 Ionizing and non-ionizing radiations

Chapter III: Deforestation and ICTs

- 3.1 Use and implementation of ICT to prevent deforestation
- 3.2 Document management and tele-meetings
- 3.3 Alternatives to avoid deforestation by using ICT

Chapter IV: Best practices in ICT and environmental protection

- 4.1 Relevant experiences of the member countries of CITEL
- 4.2 Projects implemented at Region level
- 4.3 Manual of best practices and policies to be implemented in the region in order to face climate change

Chapter V: Climate and environmental emergencies, Telecommunications and the ICTs

Chapter VI: Conclusions and Recommendations

Addendum 1: Acronyms and terms used

Addendum 2: Articles and books on ICT and climate change

Addendum 3: Organizations focused on the study of Telecommunications, ICT and climate change

Addendum 4: Existing policy or related policies