

**COMMISSION ON SCIENCE AND TECHNOLOGY FOR DEVELOPMENT  
(CSTD)**

**Eighteenth Session  
Geneva, 4 to 8 May 2015**

**Submissions from entities in the United Nations system and elsewhere on  
their efforts in 2014 to implement the outcome of the WSIS**

**Submission by**

United Nations Industrial Development Organization (UNIDO)

This submission was prepared as an input to the report of the UN Secretary-General on "Progress made in the implementation of and follow-up to the outcomes of the World Summit on the Information Society at the regional and international levels" (to the 18<sup>th</sup> session of the CSTD), in response to the request by the Economic and Social Council, in its resolution 2006/46, to the UN Secretary-General to inform the Commission on Science and Technology for Development on the implementation of the outcomes of the WSIS as part of his annual reporting to the Commission.

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## **WSIS report 2014 from UNIDO**

### **Executive summary**

This year's report from UNIDO focuses on two WSIS action lines, namely, C7: ICT applications (generally) and C7c: e-Learning (specifically). In the former category, the first example concerns software that helps Governments to manage and monitor trade with Ozone Depleting Substances, while the second one is focusing on the development of a portal covering the Leather Value Chain. Both illustrations provide concrete examples of the usefulness of ICT applications in the context of assisting developing countries in their development efforts. In the e-Learning category, the exciting UNIDO partnership with Hewlett-Packard (HP) is illustrated. The two partners have set out to implement the HP Learning Initiative for Entrepreneurs (HP LIFE e-Learning) in Africa, Latin America and the Middle East. HP LIFE e-Learning and several examples from round the globe are used as vivid examples.

### **Action lines**

#### ***C7: ICT applications***

##### *Software for managing and monitoring Ozone Depleting Substances (ODS)*

UNIDO has designed software used to support Government in managing import and production quota of Ozone Depleting Substances (ODS). In the past, the purpose was to manage ODS consumption and production (e.g. CFCs, CTC, Halons, Methyl Bromide, etc.), but nowadays, after the CFC ban for controlled applications, these ICT tools have been upgraded to include quota for HCFCs.

Two examples from Mexico and Venezuela may serve as useful illustrations of such software. In Mexico, in 2005, SEMARNAT through the National Ozone Unit designed a system named SISSAO that allows the register online the licenses, allowances, approvals, imports and exports of ODS. The system supports companies, office government, ministries and users involved in the regulation of ODS in Mexico to allow proper monitoring of the issued licenses and actual imports/exports and to avoid unauthorized imports.

Currently the SISSAO system is operating with 5 modules as follows:

1. Monitoring, Control and Register Module for Substances that Deplete the Ozone (imports, exports and production)
2. Monitoring, Control and Register Module for the Recovery and Recycling Centers
3. Monitoring, Control and Register Module for the gas and oil generated in the scrapping of refrigerators and air conditioner (FIDE Centers)
4. Monitoring and control Module for Methyl Bromide consumption
5. Monitoring, Control and Register Module of Collection Centers Gas Recovery for Destruction

In Venezuela, since 2010, UNIDO is supporting the Ministry of Environment in elaborating an electronic licensing system to cover imports, exports and production of CFCs, HCFCs as well as high-GWP refrigerants (i.e. HFCs). The tool covers Monitoring, Control and Register Module and can be access through the web by the registered enterprises (15 importers and one producer).

As soon as an import/production license is issued, an automatic message is sent to the Ministry of Environment and Customs authorities, to facilitate monitoring of the license.

Similar systems have been adopted in several other countries, for example, China and Argentina.

#### *UNIDO leather portal*

UNIDO, as a follow up on recommendations of the 18<sup>th</sup> session of the UNIDO's leather and leather products panel, launched special portal covering the Leather Value Chain:

[www.leatherpanel.org](http://www.leatherpanel.org).

The main aim of the portal is to disseminate information on best practices in the leather and leather products industry. Inter alia, portal contains:

- Publications: An extensive collection of UNIDO's publications, manuals and reports that are the result of more than 40 years of UNIDO's involvement in the Leather Value Chain (LVC). These reports and publications provide an opportunity to see the main issues addressed by the leather sector over the past decades. For easy reference, the publications are divided into several

categories: Trends (in the leather value chain), leather processing, leather products, cleaner technologies, solid wastes, tannery effluent treatments, training and trade.

- e-Learning material: Training activities are an integral part of UNIDO's technical assistance programmes through the LVC. To supplement and strengthen classroom and practical trainings, and to increase training delivery efficiency, UNIDO has integrated the use of animation into our e-learning platform. Presently, the following courses are provided:

1) Introduction to the treatment of tannery effluents covering:

- i. Load, norms, in-house treatment;
- ii. Treatment options within the tannery compound;
- iii. Sludge dewatering;
- iv. Biological (secondary) treatment; and
- v. Occupational safety and health (OSH) and common effluent treatment plant (CETP)

2) Footwear pattern engineering: This section contains includes a variety of training lessons and exercises, tests and animated narratives and is divided into the following modules and sub-sections:

- i. Introduction;
- ii. Background;
- iii. Pattern Engineering
- iv. Preparation; and
- v. Computer-aided design

Within course 2), modules *i* and *ii* provide a comprehensive overview of key features of the global footwear industry; including:

*Training Modules 1 - Introductory Overview:*

- i. Introduction
- ii. Shoe Fashion
- iii. Foot Anatomy
- iv. Foot Measurement

### *Training Module 2 - Footwear Pattern Engineering*

- v. Shoe Lasts
- vi. Shoe Lasts Forms
- vii. Men's Oxford Shoe
- viii. Ladies Court Shoe
- ix. Ladies Sandals
- x. Men's Sandals
- xi. Men's Derby Shoes

Although the e-Learning materials and training course work provides participants with the knowledge and training required to work in the LVC the portal is still a work in progress. Future trainings and course work are currently in the design phase and when developed will be made available free of charge to registered individuals and industry groups.

The [leatherpanel.org](http://leatherpanel.org) portal also provides our members with additional resources; including:

- **Gallery:** This section provides an overview of various technical assistance strategies, training activities, and links to a large number of instructional videos.
- **Links:** There are more than 300 links to various institutions, trade and professional associations, and other international organizations working in the LVC.

### ***C7c: e-learning***

UNIDO partners with Hewlett-Packard (HP) to implement the HP Learning Initiative for Entrepreneurs (HP LIFE e-Learning) in Africa, Latin America and the Middle East. HP LIFE e-Learning is a free, online business skills and IT training and support program. The innovative, interactive e-Learning solution helps students, potential entrepreneurs and small business owners learn to use technology effectively to start or grow their own business. It also serves as a robust open education resource for educators and trainers looking to enrich their curriculum and learning outcomes. HP LIFE provides a range of courses in core business disciplines such as communications, finance, marketing and operations, as well as courses covering environmental and social entrepreneurship and effective leadership – from basic to advanced level. The courses are available in English, French, Spanish, Arabic, Portuguese, Hindi and Chinese.

UNIDO and HP have been promoting the use of the free HP LIFE e-Learning training through partnerships with educational institutions, training centers and business support institutions as well as

through social media activities. To illustrate the program, four projects in Tunisia, Brazil, Colombia and Egypt, respectively, are presented.

In Tunisia, in the scope of a project that fosters youth employment through entrepreneurship and enterprise development, UNIDO integrates HP LIFE e-Learning for the benefit of young entrepreneurs and students. More than 850 young entrepreneurs and 800 university students have received HP LIFE e-Learning trainings in face-to-face training sessions organized by UNIDO in four regions of Tunisia. Furthermore, more than 8,000 Tunisians accessed HP LIFE e-Learning courses within a year. HP LIFE e-Learning empowered many entrepreneurs in Tunisia with hands-on IT tools to help start and grow their businesses and to better cope with the business challenges they face. The project also promotes the program through social media activities.

In Brazil, UNIDO has been cooperating with the Center for Digital Inclusion (CDI), universities and other public and private sector institutions to roll-out HP LIFE e-Learning. Through the partnership with CDI many low-income communities have been benefiting from the HP LIFE program. CDI has been integrating HP LIFE e-Learning in their training classes offered by their community centers and has promoted HP LIFE e-Learning at CDI events, including start-up weekend events. Young women and men in Brazil are also reached through regular HP LIFE promotions using social media. More than 12,000 Brazilians have accessed HP LIFE e-Learning courses within a year.

In Colombia, UNIDO cooperates with PROPAIS, an institution that fosters the development of the microenterprise sector in Colombia. UNIDO-HP equipped PROPAIS with a set of IT technology and a “training-of-trainers” course. Within a year, PROPAIS organized 21 HP LIFE e-Learning events through which they trained 62 trainers and 342 entrepreneurs in Bogota as well as in many other regions of Colombia. PROPAIS held HP LIFE trainings (1) in the scope of their program “Compre Colombiano”, which organizes events for the benefit of small entrepreneurs in each region of Colombia for capacity building, exchange of information and business opportunities, (2) through their Social Network activities to promote entrepreneurs at national level, and (3) through their cooperation with universities in Colombia. Additionally, PROPAIS trained 50 entrepreneurship educators and directors of universities on HP LIFE e-Learning to enable educators to use HP LIFE e-Learning as part of their university programs.

In Egypt, the HP LIFE e-Learning program has been implemented by the Democracy and Social Peace Foundation (DSPF) owned by Library of Alexandria that promotes peace, democracy and sustainable development in Egypt. UNIDO-HP equipped DSPF with IT technology and trained and certified local

trainers on HP LIFE. DSPF has empowered young entrepreneurs and small business start-ups across Egypt with entrepreneurship and IT tools through the HP LIFE e-Learning program. DSPF has promoted the use of HP LIFE e-Learning through workshops and trainings within its network of universities, libraries, private and government institutions. Within a year, DSPF reached more than 10,000 beneficiaries.