



## **WIPO's work and partnerships in the area of e-waste**

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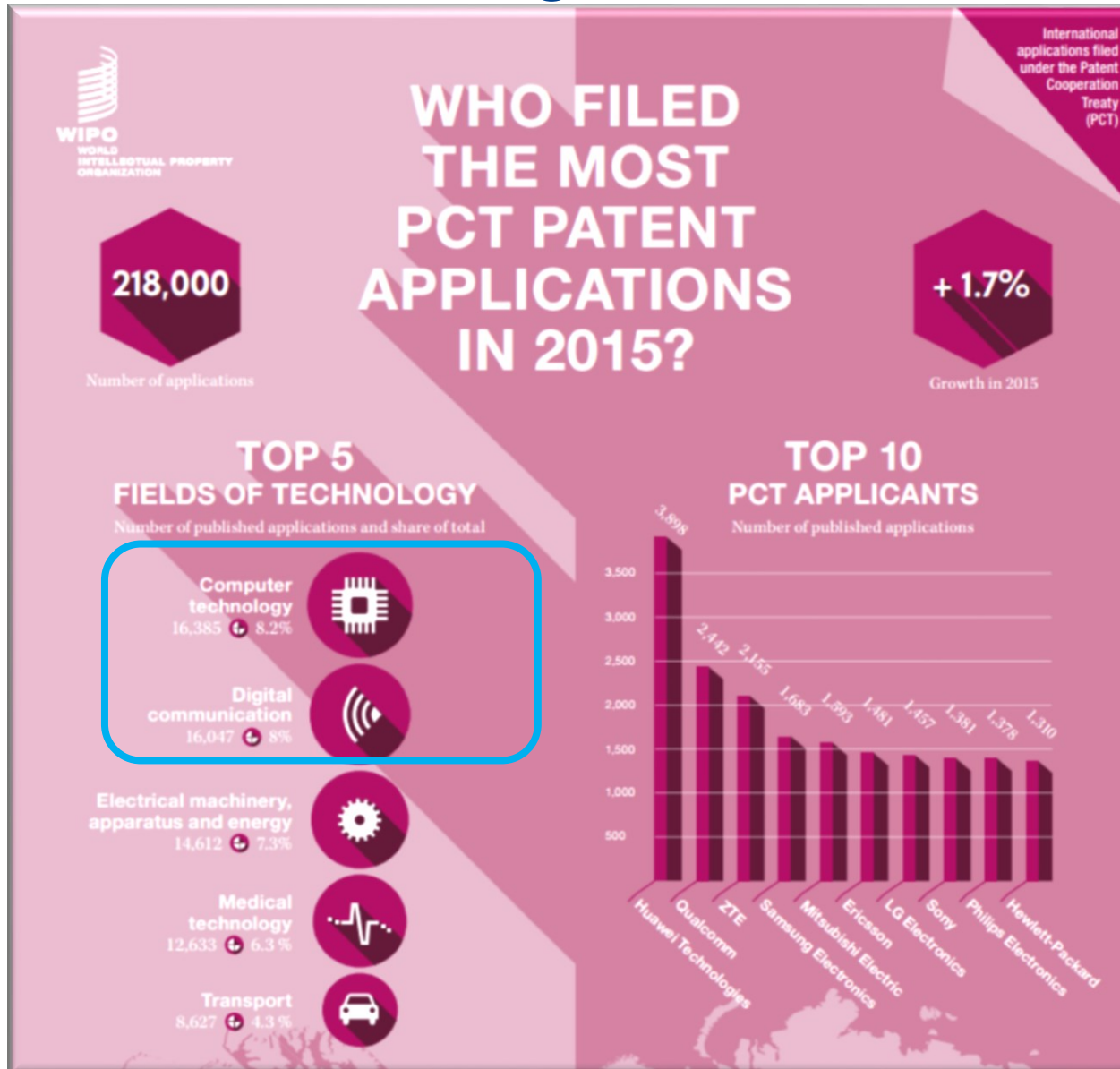
# The Strategic Goals of the World Intellectual Property Organization



[www.wipo.int](http://www.wipo.int)

- *Provision of Premier Global IP Services*
- *Facilitating the Use of IP for Development*
- *Coordination and Development of Global IP Infrastructure*
- *World Reference Source for IP Information and Analysis*
- *International Cooperation on Building Respect for IP*
- *Addressing IP in Relation to Global Policy Issues*

# ICT Technologies and Innovation



■ Innovation and IP protection are directly linked to the development of new ICT technologies and Equipment

■ What is the role of technology, innovation and IP in the waste management of the End-of-Life ICT Equipment?

# WIPO Partnership with the Basel Convention Secretariat (SBC) on E-waste

- 2013: Patent Landscape Report (PLR) on E-Waste Recycling and Material Recovery Technologies

- Report aimed to complement the SBC Guidelines on Material Recovery of End-of-Life Mobile Phones and Computing Equipment, addressing the IP and technology perspective of e-waste management, identifying innovation and patenting trends, emerging technologies and key players



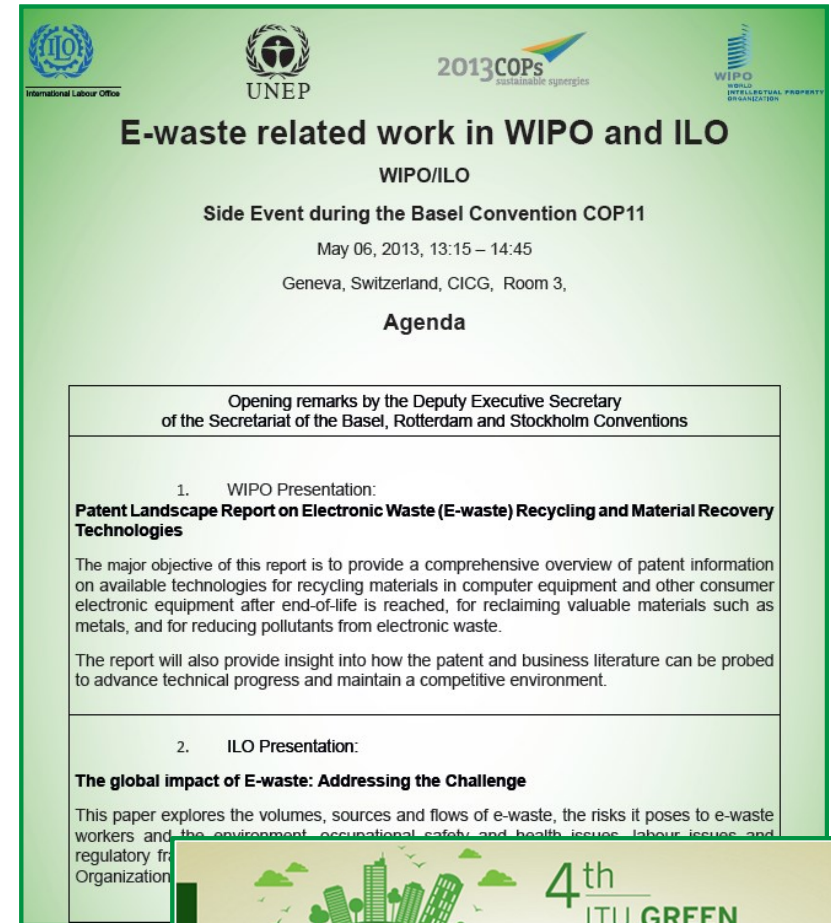
# Scope and content of the E-Waste Recycling PLR

- Patent-based data on:
  - **Technical solutions** related to recycling technologies for end of life ICT Equipment
  - **Innovation trends**
  - Profile analysis of the major **key players**
  - Related **market interest and potential**
- **Support tool for interdisciplinary discussions and informed decisions** on
  - sustainable life-cycle management of ICT Equipment
  - national potential for R&D, technology transfer, local manufacturing and trade collaborations



# Cooperation with the Basel Convention and ITU

- Dissemination of the report findings and awareness-raising on IP perspective in E-waste management discussions
- Side events during the Basel Convention COP11 and COP12 (2013 and 2014)
- 2 Webinars addressed to Ministries of Environment (2014)
- Presentation during the 4th Green Standards Week Beijing (2014)
- ITU-SBC-UNU workshop during ITU WSIS (2014)



The poster features logos for the International Labour Office (ILO), UNEP, 2013 COPs (sustainable synergies), and WIPO (World Intellectual Property Organization). The main title is "E-waste related work in WIPO and ILO". Below the title, it specifies "WIPO/ILO Side Event during the Basel Convention COP11" on "May 06, 2013, 13:15 – 14:45" in "Geneva, Switzerland, CICG, Room 3".

**Agenda**

Opening remarks by the Deputy Executive Secretary of the Secretariat of the Basel, Rotterdam and Stockholm Conventions

1. WIPO Presentation:  
**Patent Landscape Report on Electronic Waste (E-waste) Recycling and Material Recovery Technologies**

The major objective of this report is to provide a comprehensive overview of patent information on available technologies for recycling materials in computer equipment and other consumer electronic equipment after end-of-life is reached, for reclaiming valuable materials such as metals, and for reducing pollutants from electronic waste.

The report will also provide insight into how the patent and business literature can be probed to advance technical progress and maintain a competitive environment.

2. ILO Presentation:  
**The global impact of E-waste: Addressing the Challenge**

This paper explores the volumes, sources and flows of e-waste, the risks it poses to e-waste workers and the environment, occupational safety and health issues, labour issues and regulatory frameworks.



The logo features a stylized green globe with a city skyline and a green arrow pointing right. The text reads "4th ITU GREEN STANDARDS WEEK" and "Beijing, China, 22-26 September 2014". Below this, it says "Setting the vision for smart sustainable cities". Logos for Huawei and ITU are at the bottom.

# Partnership with UN Agencies on Sustainable E-waste Management in Latin America (2015/16)



**Gestión Sostenible de Residuos de Aparatos Eléctricos y Electrónicos en América Latina**



BASEL CONVENTION



CRBAS  
Centro Regional Basilea  
para América del Sur



ORGANIZACIÓN  
DE LAS NACIONES UNIDAS

CEPAL



Oficina Regional de Caracas  
para América Latina y el Caribe



WORLD  
INTELLECTUAL PROPERTY  
ORGANIZATION

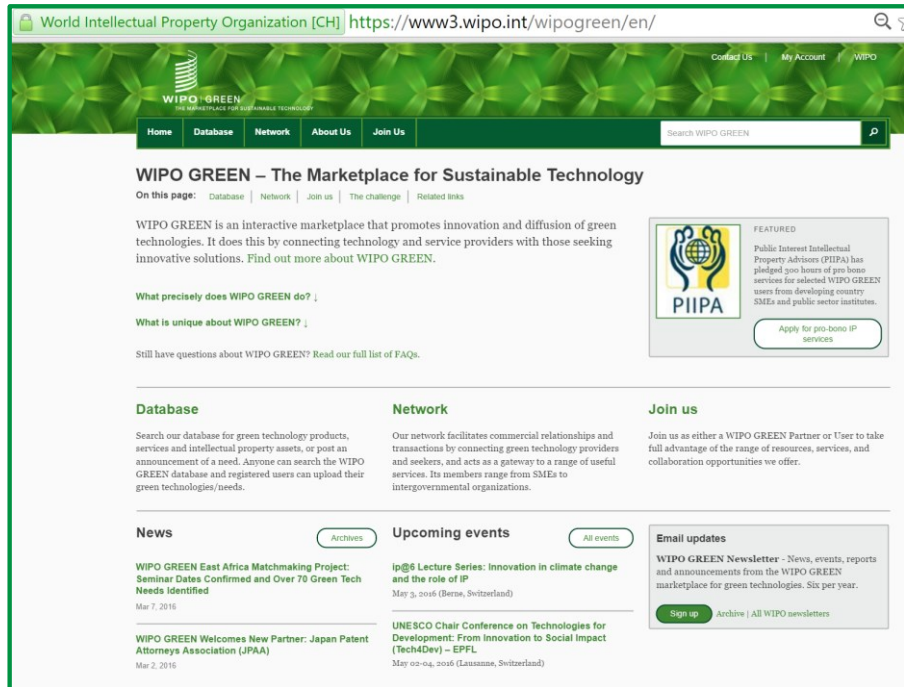


World Health  
Organization



- Contribution to the joint publication with the findings of the PLR on E-waste technologies stemming from or protected in Latin America
- Section on availability of patented technology in the field of e-waste recycling in Latin America and thoughts on technology transfer possibilities

# Sustainable E-waste management with sustainable technologies: WIPO Green



<https://www3.wipo.int/wipogreen>

- Marketplace for green technologies
- Possibility to search for technologies available for licensing in the dedicated database, upload a need for a specific technology/technical problem and/or add to the database a technology available for licensing



# UN Partners of WIPO Green

<https://www3.wipo.int/wipogreen/en/network/partners.html>



## Partners

WIPO GREEN currently has 66 partners from around the globe.



A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

### A

African Agricultural Technology Foundation (Kenya)  
Asian Development Bank (ADB) (Multi-national)  
Asia-Pacific Industrial Property Center - Japan Institute for Promoting Invention and Innovation (Japan)  
Asia IP Exchange (Multi-national)  
Association of University Technology Managers (AUTM) (USA)

### B

Brazilian Forum of Innovation and Technology Transfer Managers (FORTEC) (Brazil)

### C

CambridgeIP (UK)  
Center for Intellectual Property and Information Technology Law (CIPIT) (Kenya)  
China Technology Exchange (China)  
Climate-KIC (Switzerland)  
Crosstaff Solutions (Canada)

### D

Danish Patent and Trademark Office (Denmark)

### E

EcoMachines Incubator (UK)  
Eco-Patent Commons (Multi-national)

### F

### G

### I

infoDev (Multi-national)  
Innovation Hub (South Africa)  
Innovation Insights (Switzerland)  
inivent (Turkey)  
Institut National de la Propriété Industrielle (France)  
Intellectual Property for Sustainable Energy Ventures (Multi-national)  
International Centre for Trade and Sustainable Development (Multi-national)  
International Chamber of Commerce (Multi-national)  
International Federation of Intellectual Property Attorneys (FICPI) (Multi-national)  
IP Nexus (Multi-national)  
IPEX Cleantech Asia (Singapore)

### J

Japan Intellectual Property Association (JIPA) (Japan)  
Japan Patent Attorneys Association (Japan)

### K

Kenya Climate Innovation Center (CIC) (Kenya)  
Korea Technology Finance Corporation (Republic of Korea)

### L

League of Arab States (Multi-national)  
Licensing Executives Society International (LESI) (Multi-national)

### M

### R

R2o Regions of Climate Change Action (USA)  
Robin Paul Advisory (Malaysia)

### S

Sabancı University (Turkey)  
Sathguru Management Consultants (Multi-national)  
SEED Initiative (Multi-national)  
Siemens (Multi-national)  
Singapore-ETH Centre for Global Environmental Sustainability (Singapore)  
SOLBEN (Mexico)  
South-South Global Assets and Technology Exchange (SS-GATE) (Multi-national)

### T

Team E-Kansai (Japan)  
TechnologieAllianz (Germany)  
Technology Development Foundation of Turkey (TTGV) (Turkey)  
Teijin Limited (Japan)

### U

United Nations Environment Program (UNEP) (Multi-national)  
United Nations Environment Program Climate Technology Centre and Network (CTCN) (Multi-national)  
United Nations Global Compact (UNGC) (Multi-national)  
United Nations Industrial Development Organization (UNIDO) (Multi-national)  
United Nations Office for South-South Cooperation (UNOSSC) (Multi-national)

Thank you for your attention!

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