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turn back the toxic tide



www.ban.org

The Quest for Responsible Electronics Recyclers

Jim Puckett, Basel Action Network (BAN)

ITU/UNEP Central American e-Waste Summit March 19-21, San Salvador, El Salvador

OMG: What have we Done?









Massive Growth in IT Hardware

Growth in Computers / USA

Year	Computers /1000 people	Rate of Increase	Number of Computers
1965	.1		19,430
1975	.9	9	200,000
1985	99	110	21,000,000
1995	342	3.5	90,093,000
2005	715	2.1	210,000,000
2009	900	1.25	274,500,000

Globally 2 billion personal computers by 2015

Massive Growth

INTERNET USAGE STATISTICS The Internet Big Picture World Internet Users and Population Stats

WORLD INTERNET USAGE AND POPULATION STATISTICS March 31, 2011						
World Regions	Population (2011 Est.)	Internet Users Dec. 31, 2000	Internet Users Latest Data	Penetration (% Population)	Growth 2000- 2011	Users % of Table
<u>Africa</u>	1,037,524,058	4,514,400	118,609,620	11.4 %	2,527.4 %	5.7 %
<u>Asia</u>	3,879,740,877	114,304,000	922,329,554	23.8 %	706.9 %	44.0 %
Europe	816,426,346	105,096,093	476,213,935	58.3 %	353.1 %	22.7 %
Middle East	216,258,843	3,284,800	68,553,666	31.7 %	1,987.0 %	3.3 %
North America	347,394,870	108,096,800	272,066,000	78.3 %	151.7 %	13.0 %

7,620,480

360,985,492

35,426,995

6,930,055,154

Oceania / Australia

WORLD TOTAL

21,293,830

2,095,006,005

60.1 %

30.2 %

179.4 %

480.4 %

1.0 %

100.0 %

Rapid Obsolescence





50 Million Metric Tonnes of e-Waste Generated Globally Last Year



Significant Toxicity



50 Million Metric Tonnes of **Toxic** Waste Generated Globally Last Year



Divert from landfill to...recycling?













Exporting Harm: The Dirty Little Secret of e-waste recyclers



China











West Africa













CHINADAILY.com.cn





profits

Updated: 2011-11-16 07:59

(China Daily)



Large Medium Small

Share

0

PROVIDED TO CHINA DAILY

A study shows 88 percent of children in Guiyu had lead poisoning in 2010.



家居轻时

Basel Convention Adopted 1989



Basel Ban Amendment Adopted 1995

One World, Don't Waste It





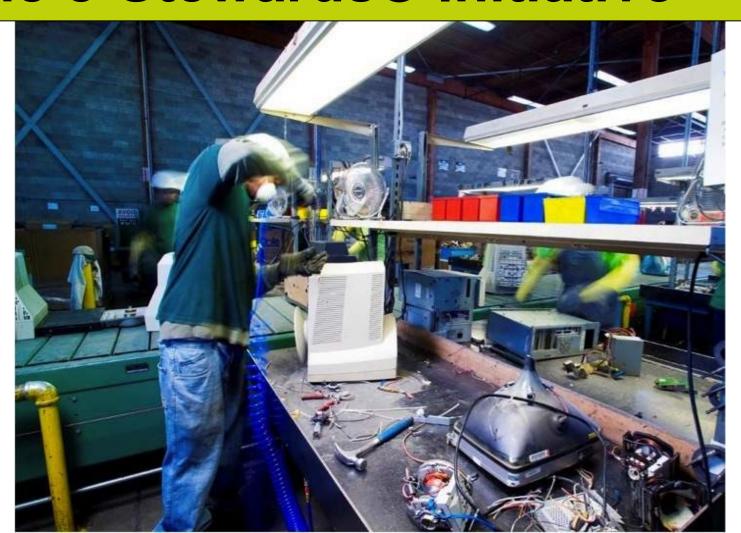
O Years of the Basel

LAC Progress	Basel Convention	Basel Ban Amendment	Score
Antigua / Barbuda	✓		1
<u>Argentina</u>	✓	✓	2
<u>Bahamas</u>	✓		1
Barbados	✓		1
Belize	✓		1
Bolivia	✓	✓	2
<u>Brazil</u>	✓		1
<u>Chile</u>	✓	✓	2
Colombia	✓		1
Costa Rica	✓		1
<u>Cuba</u>	✓		1

LAC Progress	Basel Convention	Basel Ban Amendment	Score
Dominica	✓		1
Dominican Rep.	✓		1
<u>Ecuador</u>	✓	✓	2
El Salvador	✓		1
Grenada			0
<u>Guatemala</u>	✓		1
Guyana	✓		1
Haiti	✓		1
Honduras	✓		1
Jamaica	✓		1
Mexico	✓		1

LAC Progress	Basel Convention	Basel Ban Amend.	Score
Nicaraqua	✓		1
<u>Panama</u>	✓	✓	2
Paraquay	✓	✓	2
<u>Peru</u>	✓		1
St. Kitts and Nevis	✓	✓	2
St. Lucia	✓		1
St. Vincent/Grenadines	✓		1
Suriname	✓		1
Trinidad and Tobago	✓	✓	2
<u>Uruguay</u>	✓	✓	2
Venezuela	✓		1

The Market Solution: The e-Stewards® Initiative



e-Stewards® Standard for Responsible Recycling and Reuse of Electronic Equipment®

Version 2.0 November, 2012



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The ISO 14001 EMS Framework







Geographic Expansion -- 2013



Features of e-Stewards Certification

- Is only Standard supported by over 70 environmental organizations
- Is only Standard supported by over 50 major corporations and governments (Enterprise Program)
- Currently available all over the world
- Utilizes Accredited 3rd Party Certifying Bodies to conduct audits
- Compliant with Basel Convention and Basel Ban Amendment, PACE/MPPI Guidelines

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Features of e-Stewards Certification

- Comprehensive: data security, occupational exposure, due diligence, reuse etc.
- Has a multistakeholder Leadership Council and holds Annual Face to Face meetings.
- Has an independent dedicated training program (3 days) for auditors
- Requires all company sites to be certified
- Has a Technical Committee open to all members to help improve the Standard
- Has an active promotion and Enterprise campaign to drive market to e-Stewards.



Makes businesses better

- Preparation/meeting e-Stewards requirements helps identify business strengths and weaknesses
- Auditors provide unbiased look into your business
- Certification process helps educate all employees on conformance
- Having an EMS significantly improves operations
- EHS/ergonomic requirements reduce injuries/liabilities
- Conformity with International Trade Law keeps companies out of the wrong kind of headlines
- Win best customers as the best customers demand the best recyclers

Enterprise Program

Companies and Cities: 55 and Growing!







Bloomberg











e-Stewards

THE GLOBALLY RESPONSIBLE WAY TO RECYCLE YOUR ELECTRONICS

Home About us Find e-Stewards Recyclers The e-waste crisis Recycling resources e-Stewards Certification News + Media Blog

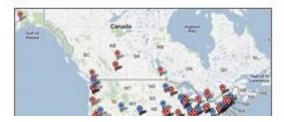
e-Stewards.org

Dloxins in Gulyu, China
have been estimated at 5000% of safe levels.

Latest News:

- Environmentalists Prepare for Spin-Off of e-Stewards® e-Waste Certification Program
- Placentia, California Joins Effort to Tackle Electronic Waste
- Abington Reldan Metals, LLC Becomes First e Stayyards Program Metal Refiner and Regarder in

Find an e-Stewards® Recycler



The Story of Electronics





ıking global responsibility



Say NO to...



global e-waste dumping

Say YES to...



global e-Stewardship

Thank You!

