

eCycling Advisory Committee

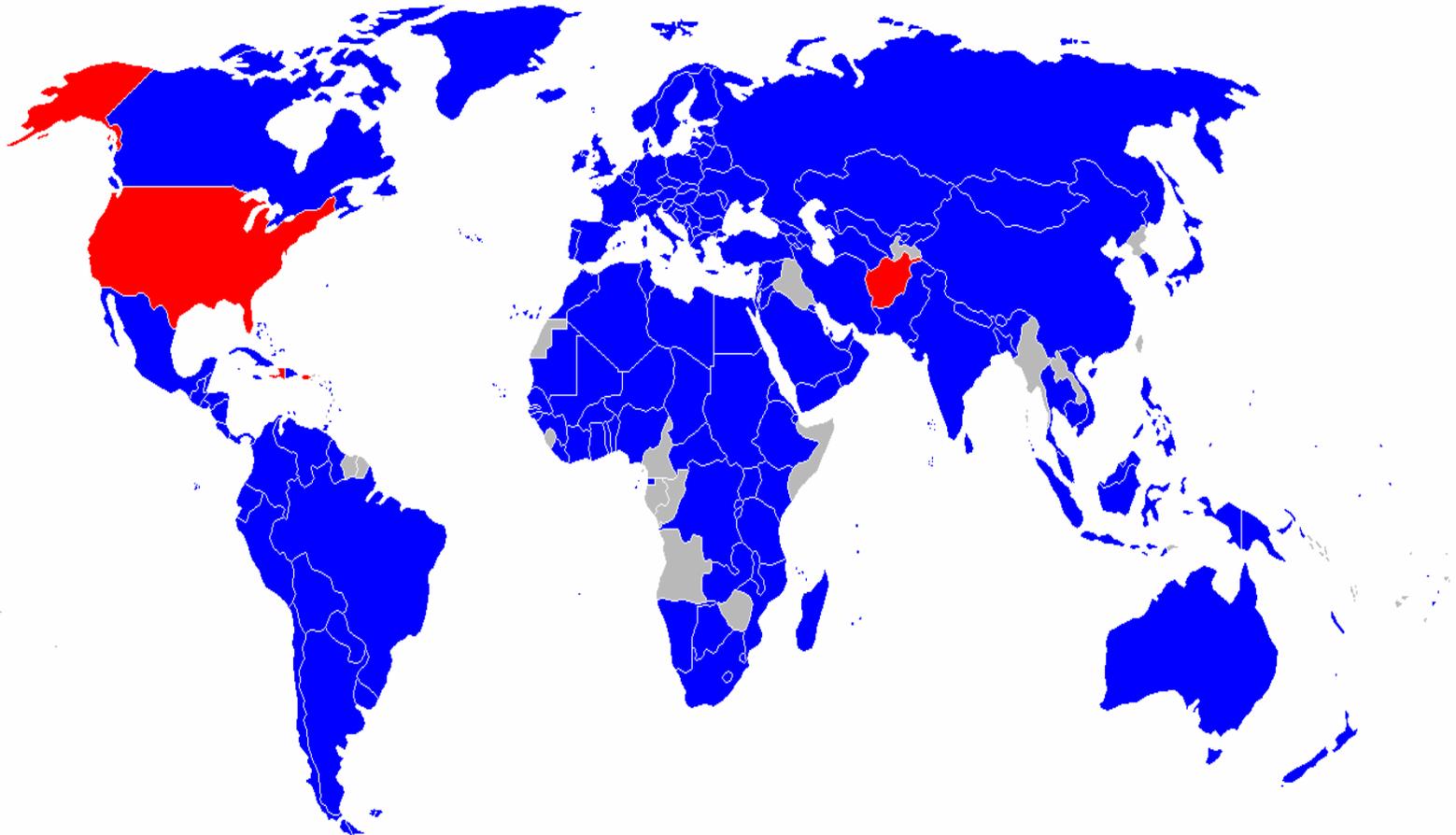
Overview

- ❖ The Basel Convention
- ❖ The RoHS Directive

[The Basel Convention]

- Formal Name: “The Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal”
- Entered into force on May 5, 1992
- 170 countries are party to the treaty
 - The United States, Haiti and Afghanistan are party but have not ratified

[The Basel Convention continued]



As of 12/06 - Nations that have **signed and ratified**, along with nations that have **signed but not ratified**

[The Basel Convention continued]

- Requirements:
 - The establishment of a global notification and consent system for shipments of hazardous waste between parties
 - The management and disposal of waste in an environmentally sound manner
 - The prohibition of trading hazardous waste with non-Parties

[The Basel Convention continued]

- The Basel Ban
 - Amendment to the Convention
 - Bans the export of hazardous waste from developed countries to developing countries
 - Requires 120 nations to come into force
 - Only 63 have ratified the Ban

[The Basel Convention continued]

- “Electronics Recycler’s Pledge of True Stewardship”
 - Developed by the Basel Action Network and the Silicon Valley Toxics Coalition
 - Allows U.S. companies that accept e-waste to uphold the standards of the Basel Convention and the Basel Ban
 - 30+ companies in the U.S. have already signed on

[The RoHS Directive]

- ❖ Formal Name: Directive “On The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment”
- ❖ Applies to EU Member States
- ❖ Came into force on July 1, 2006

[The RoHS Directive continued]

- ❖ Bans new electrical and electronic equipment from entering the EU marketplace if it contains more than agreed to levels of:
 - ❖ Lead - up to 0.1% by weight
 - ❖ Cadmium - 0.01%
 - ❖ Mercury - 0.1%
 - ❖ Hexavalent Chromium - 0.1%
 - ❖ Polybrominated Biphenyl (PBB) - 0.1%
 - ❖ Polybrominated Diphenyl Ether (PBDE) Flame Retardants - 0.1%

[The RoHS Directive continued]

- ❖ Impacts Global Manufacturers of Electronics
 - ❖ The U.S. exported over \$124 billion of electronics in 2004, \$18 billion to areas that now fall under RoHS purview
 - ❖ Severe penalties for non-compliance
 - ❖ In the U.K. – nearly a \$9,000 (U.S.) maximum fine for a summary conviction and unlimited fines upon conviction

[The RoHS Directive continued]

- ❖ “RoHS is the beginning of a global trend. Around the world, other important economic regions are already working on similar laws...the geographic market for non-compliant products is shrinking.”

- Shimadzu Scientific Instruments, Inc.

- ❖ **China’s RoHS**

- ❖ Requires “mark and disclosure” for the 6 substances as of March 1, 2007, material restrictions not yet in effect
- ❖ Scope of products affected differs from EU RoHS

- ❖ **California’s RoHS**

- ❖ Effective January 1, 2007 – SB 20, SB 50
- ❖ Restricts lead, mercury, cadmium, hexavalent chromium (not PBBs or PBDEs)