

## 3R GOOD PRACTICES IMPLEMENTED BY NGOs/ CBOs



### 3R Good Practices in China

<b>NGO /CBO</b>	<b>Global Village of Beijing</b>
<b>Activity</b>	Cartridges for Dragon Recycling Project
<b>OUTLINE OF 3R GOOD PRACTICES</b>	
<b>Keyword</b>	sustainable development, cartridges, e-waste, recycling, Beijing, China
<b>Country</b>	China
<b>Area Implemented</b>	Beijing
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<b>Waste Sector</b>	E-waste
<b>3R Practice</b>	Cartridges Recycling
<b>Website / Data Source</b>	<a href="http://www.gvbchina.org/EnglishWeb/index.htm">http://www.gvbchina.org/EnglishWeb/index.htm</a>

## OVERVIEW OF PRACTICES

### **Introduction**

Global Village of Beijing (GVB) was established in 1996 as one of the first NGOs in China which is involved in environmental education and civil society strengthening. GVB's environmental campaigns emphasize on the promotion of sustainable development and a green life-style. Its main functions include the production of environmental television programs and other publications, the organization of journalist trainings, the development of green communities, organizing public events and forums and several other projects in the field of sustainable development and consumption.

### **Activity**

Global village with other environmental NGOs initiated Cartridges for Dragon Recycling (C4DR) together with HP Planet Partners. C4DR offers its contributors a free pick-up and recycling service for their used HP original inkjet or laser jet print cartridges. The program offered the possibility to deal with the waste it produces in a responsible approach by dropping used cartridges in recycling bins placed in the office. These bins are regularly collected and the used cartridges are recycled in an environmental friendly manner. Partners of the program include some businesses, schools in Shanghai and Beijing.

### **Outcome**

Recycling prevents used cartridges from ending up in landfill or in poorly managed remanufacturing facilities, avoiding related environmental or health problems. Used cartridges contain materials that can be converted into raw materials which can be utilized for the manufacturing of everyday products, namely, steel beams and other steel products, plastics for new products, E-Wood as timber replacement, benches, and rulers and other plastic products, toner pigment for plastic coloring.

If dumped, these resources will be lost and therefore the resource recovery can also be regarded as one of the benefits obtained through recycling of cartridges.

This activity has led to sustainable development and increased public participation.



Cartridges for Dragon Recycling



Recycling process of cartridges

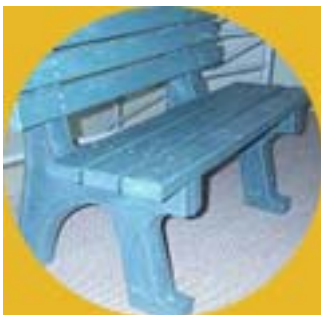
Products of recycling process



Steel beams



Frames



E-wood (Park Bench)



Toner pigment