

## 主要问题和需求

城市中，以电脑为代表的电子产品的更新换代速度却越来越快，数量越来越多（上海每年约淘汰超过100万台旧电脑），淘汰下来的设备绝大多数被当成电子垃圾。在中国其中近70%被通过非正规渠道随意交易至散布在广东、浙江、重庆等地的手工小作坊进行野蛮处置，对环境和人体造成了几乎不可逆转的巨大伤害。而在中国中西部的贫困地区，校舍、桌椅或许已经整修甚至焕然一新，但其它教育教学设施却可能依然简陋和短缺，众多孩子很少有机会接触电脑等现代化学习、通讯工具，他们渴望利用电脑学习更多知识，他们渴望通过网络了解大山外面的精彩世界。



## Main problems and issues requiring

In cities, electrical and electronic devices are being upgraded faster (more than 1 million sets of computers are phased out in Shanghai each year). Most of the discarded devices are treated as e-waste. In China, nearly 70% of e-waste has been collected and processed primarily by the informal resource recovery and recycling sectors mainly in Guangdong, Zhejiang and Chongqing, where they are disposed randomly, causing irreversible harm to environment and human health.

In the poverty-stricken Midwestern China, however, many schools are in need of better teaching equipment, though they may have had new buildings and desks. Most of the children there have no access to computers or other modernized devices for study and communication. They are eager to use computers and Internet to help with their study and know more about the world beyond the mountains of their hometown.



## 联合国开发计划署

联合国开发计划署同社会各界的人们建立伙伴关系，帮助各国克服危机，推动和维护能够改善每个人生活品质的发展类型。在全球170多个国家和地区，联合国开发计划署提供全球视角和深入本土的见解，帮助建立民主、强盛的国家。三十多年来，作为联合国从事发展的全球网络，联合国开发计划署充分利用其全球发展经验，支持中国制定应对发展挑战的解决方案，并为全球开发南南合作和参与全球发展提供协助。联合国开发计划署目前在中国的重点工作领域为：减少贫困、善治、危机预防与恢复及能源与环境。

## UNDP

UNDP partners with people at all levels of society to help build nations that can withstand crisis, and drive and sustain the kind of growth that improves the quality of life for everyone. On the ground in more than 170 countries and territories, UNDP offer global perspective and local insight to help empower lives and build resilient nations.

UNDP has drawn on world-wide experience for over three decades to assist China both in developing solutions to its own ongoing development challenges, and in its south-south cooperation and engagement in global development. Domestically, our work focuses on Good Governance, Energy & Environment, Poverty Reduction and Disaster Management.

## 全球环境基金小额赠款计划

作为全球环境基金资助项目的组成部分之一，小额赠款计划成立于1992年，由联合国开发计划署负责实施，联合国项目管理办公室负责执行。小额赠款计划直接向非政府组织和社区组织提供资金和技术，支持他们保护和恢复自然，同时提高人们福祉和生计的活动。小额赠款计划支持的优先领域为：保护生物多样性、减缓气候变化、保护国际水域、防止土地退化和消除持久性有机污染物。目前，这个计划已经在全球超过125个国家支持14000多个项目。

## The Global Environment Facility (GEF) Small Grants Programme (SGP)

As a corporate programme funded by the Global Environment Facility (GEF), Small Grants Programme was established in 1992, implemented by the United Nations Development Programme (UNDP) on behalf of the GEF partnership, and executed by the United Nations Office for Project Services (UNOPS). SGP channels financial and technical support directly to NGOs and CBOs for activities that conserve and restore the environment while enhancing people's well-being and livelihoods. SGP supports activities in these priorities - biodiversity conservation, abatement of climate change, protection of international waters, and prevention of land degradation and elimination of persistent organic pollutants. With presence in more than 125 countries, SGP has awarded more than 14,000 grants worldwide.

## 上海众谷公益青年发展中心

上海众谷公益青年发展中心致力于推广及践行“全民公益、全民环保、全民低碳”理念；策划、组织及执行有关乡村教师综合素质提升及青少年全面发展、环境保护等公益项目。机构主要运营两个项目——“爱飞翔·乡村教师培训”和“爱传递·再生电脑教室”。“爱飞翔”让乡村教师们零距离体验城市生活、感受都市风情，接受新知，极大的开阔了乡村教师的眼界，提升了他们带领乡村孩子飞翔的能力。“爱飞翔”同时在城市中搭建了一个关爱乡村教育的平台，聚集各界爱心人士力量，提供方便易行的公益渠道，锻炼一批公益实践志愿者，积极探索讲求公益效益效能和规范的社会组织运营方式。“爱传递”通过汇聚各方优质资源，用公益方式使中西部贫困地区得以分享发达城市的教育、教学设备等各类资源。针对社会的迫切需求，项目设计既持续创新又合理务实，项目执行既严格规范又灵活便捷，吸引了以青年人为主体的众多志愿者、爱心企业机构积极参与。

## Shanghai Zhonggu Charity Youth Development Center

Shanghai Zhonggu Charity Youth Development Center is committed to promoting and practicing the philosophy of public welfare, environmental protection, and low carbon lifestyle among all people; its mission is to plan, organize, and run social welfare campaigns in order to improve the overall quality of rural teachers, and to advance the all-round development of environmental protection and other public service activities. Currently the Center runs two programs, "IFly: Training Rural Teachers" and "Green IT Classrooms Against Poverty".

By providing the opportunity to experience city life, "IFly: Training Rural Teachers" program broadens the views of teachers from rural areas and improves their ability to guide the children back in their hometowns. As part of the program, a cross-city platform has been established to pool together all possible social resources in favour of rural education. The platform aims to provide the needy rural areas with ready help, organize young volunteers and explore a more efficient and institutionalized model for public service. "Green IT Classrooms Against Poverty" is a program committed to helping the under-developed areas of Midwestern China get free educational resources from the developed cities through charity events. We stay innovative and pragmatic in designing the program while being both strict and flexible in carrying out it. Many individual volunteers (mostly young people) and enterprises have enrolled in the program.



## 废旧电脑再生利用及环境无害化处置项目

Project on Recycling and Environmentally Sound Disposal of Used Computers



全球环境基金小额赠款计划  
Global Environment Facility Small Grants Programme

联合国开发计划署  
United Nations Development Programme

上海众谷公益青年发展中心  
Shanghai Zhonggu Charity Youth Development Center

<b>流程</b>
<b>广泛宣讲</b> 让更多人具有“环保化、公益化、循环经济化”综合处置淘汰电子设备”的理念
<b>规范接收</b> 注册公益机构，专人上门接收
<b>有序分类</b> 专业机构精准分拣，确保接收的旧电子设备“各得其所、物尽其用”
<b>专业再生</b> 专业机构对电脑进行严格再生及检测，确保优良稳定的性能
<b>爱心传递</b> 与志愿者们一起到乡村学校，建电脑教室、教孩子们用电脑、开展团队活动……
<b>持续跟进</b> 热线电话指导，远程测评学习效果，当地志愿者支持及监督管理，回访及维修升级，替换收回报废设备
<b>环保处置</b> 将无法再生使用的废弃设备移交正规环保单位进行资源化环保处置



**宣讲**  
Outreach

**募集**  
Collection

**再生**  
Recycling

**环保处置**  
Environmental Sound treatment



**回访**  
Return visit

**建设电脑教室**  
Build IT classroom

### 项目活动及成果 (Activities and results)

从2014年10月起，项目4次深入社区居民聚集地，2次深入高科技产业园区，做客广播电台并多次连线。累计发放宣传折页2200张，超过221万人了解项目“环保、公益、循环经济”的理念。

Since October 2014, 4 publicity events at communities, 2 events at high-tech industry parks and 3 press events were organized, which has mobilized the public to take part in environmental protection programs and charities via TV shows and radio, and gained support from 2.21 million people.

2014年10月9日至2016年10月31日，项目累计接收3341台主机、427台CRT显示器、1947台笔记本电脑、2254台LCD显示器，共计7969台废旧电子产品。

From October 9, 2014 to October 31, 2016, a total of 7969 used electronic devices have been collected, including 3341 hosts, 427 CRT monitors, 1947 laptops and 2254 LCD monitors.

累计再生成功2298台主机、1503台笔记本电脑、1940台LCD显示器。减少碳排放约1701吨，减少铜、铁、铅、塑料等各种原材料消耗约38吨，累计减少约6840吨的化学原料、矿物燃料和水的耗费。

2298 hosts, 1503 laptops and 1940 LCD monitors have been recycled; carbon emission has been reduced by 1701 tons; consumption of copper, iron, lead, plastic and other raw materials reduced by 38 tons; consumption of chemical materials, mineral fuels and water reduced by 6,840 tons accumulatively.

858台电脑主机、436台CRT显示器、338台笔记本电脑、304台LCD显示器，共1936台废弃电子产品，及其它近1000kg其它废弃物得到资源化、环保化处置。减少重金属排放污染约1460千克，减少多溴联苯（PBB）、多溴二苯醚（PBDE）排放污染约462千克，有效回收铜、铁、塑料等有用原材料8吨。

A total of 1936 used electronic devices have been properly disposed, including 858 hosts, 436 CRT monitors, 338 laptops, 304 LCD monitors, and other waste nearly 1000 kg. Heavy metal pollution has been reduced by about 1,460kg; pollution from PBB and PBDE reduced by 462kg; 8 ton of copper, iron, plastic and other useful raw materials are effectively recycled.

从2014年10月起，项目利用再生电脑1394套，为50所偏远乡村学校建设电脑教室，服务21025名乡村师生，女性9841人，男性11184人。

Since October 2014, 50 Green IT Classrooms are built by 1394 recycled computers and 21,205 rural teachers and students are benefited, including 9841 women, 11184 men.

2015年12月开始，项目开始对搭建的50间电脑教室陆续进行回访。截至目前，项目已经对19间电脑教室进行回访，累计维修、替换故障机器75台，平均故障率5.38%。

Since December 2015, we have paid return visits to check out the 19 computer classrooms. Maintenance, replacement fault machine 75 units, 5.8% of computers are replaced.

<b>Initiatives</b>
<b>Wide outreach</b> Advocating "environmentally friendly, charitable and economic disposal of old electronic equipment".
<b>Standardized collection</b> Registering our charity and sending specially assigned persons to pick up equipment at the donor's door.
<b>Orderly classification</b> Precisely sorting out old electronic devices via a professional institution, which shall ensure each piece of collected equipment has "a role to play and a purpose to serve".
<b>Specialized recycling</b> Providing strict restoration and testing services via a professional institution to ensure stable and good-quality performance.
<b>Spreading of love</b> going with volunteers to village schools, where they build computer classrooms, teach children to use computers and conduct team activities.
<b>Continuous follow-up</b> providing instructions via a service hotline, remotely evaluating learning results, delivering support and supervision by local volunteers, following up on the program, repairing or upgrading computers and replacing and recycling older equipment.
<b>Green disposal</b> Handing over of scrapped equipment, which is too old for restoration, to a duly registered environmental protection institution for green disposal.