

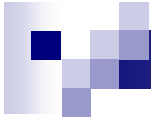


Collaboration Towards Information And Communications Technology For Development (ICT4D)

By Dr. Paul Jhin

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Development

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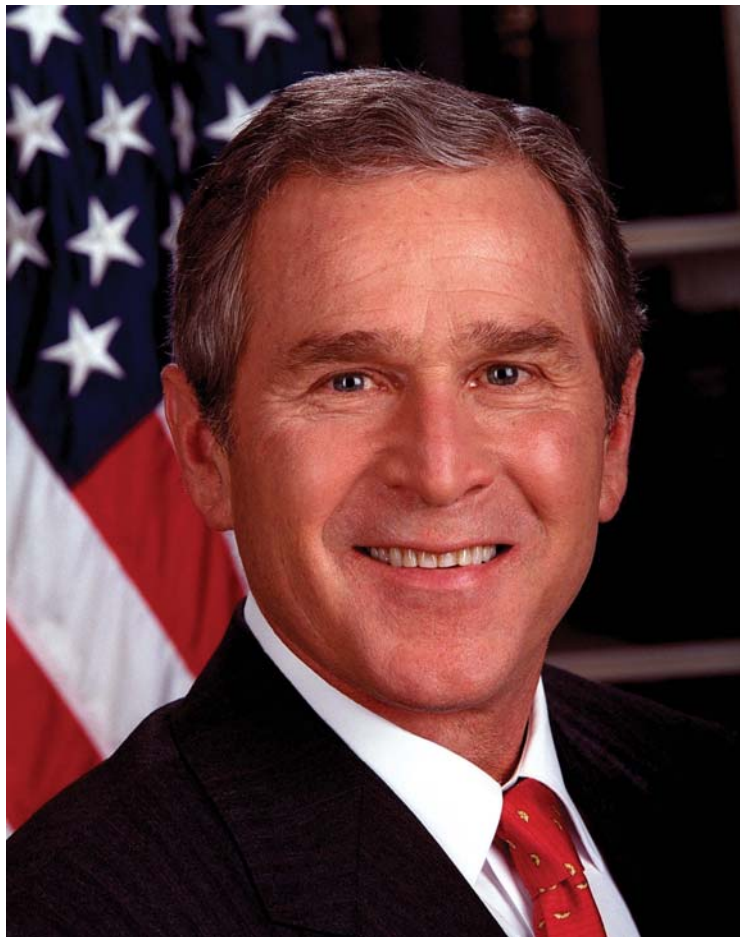
INTRODUCTION

A Vision for the World

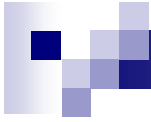


“I hope we can work together to make this world more prosperous, more secure, more harmonious, and more developed through Information Communications Technology.”

Digital Freedom Initiative (DFI)



President George W. Bush's Digital Freedom Initiative is a world wide effort that showcases the best that the United States has to offer in information and communications technologies and bring their transformational power to bear on international development challenges.



MISSION



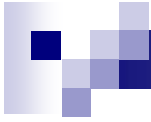
The Mission of the **Global Alliance for ICT and Development (GAID)** is to contribute to transforming the spirit and vision of **World Summit on the Information Society (WSIS)** into action and promoting the use of **Information and Communication Technologies (ICT)** for the achievement of the internationally agreed development goals, including the **Millennium Development Goals (MDGs)**.



ACTION PLAN



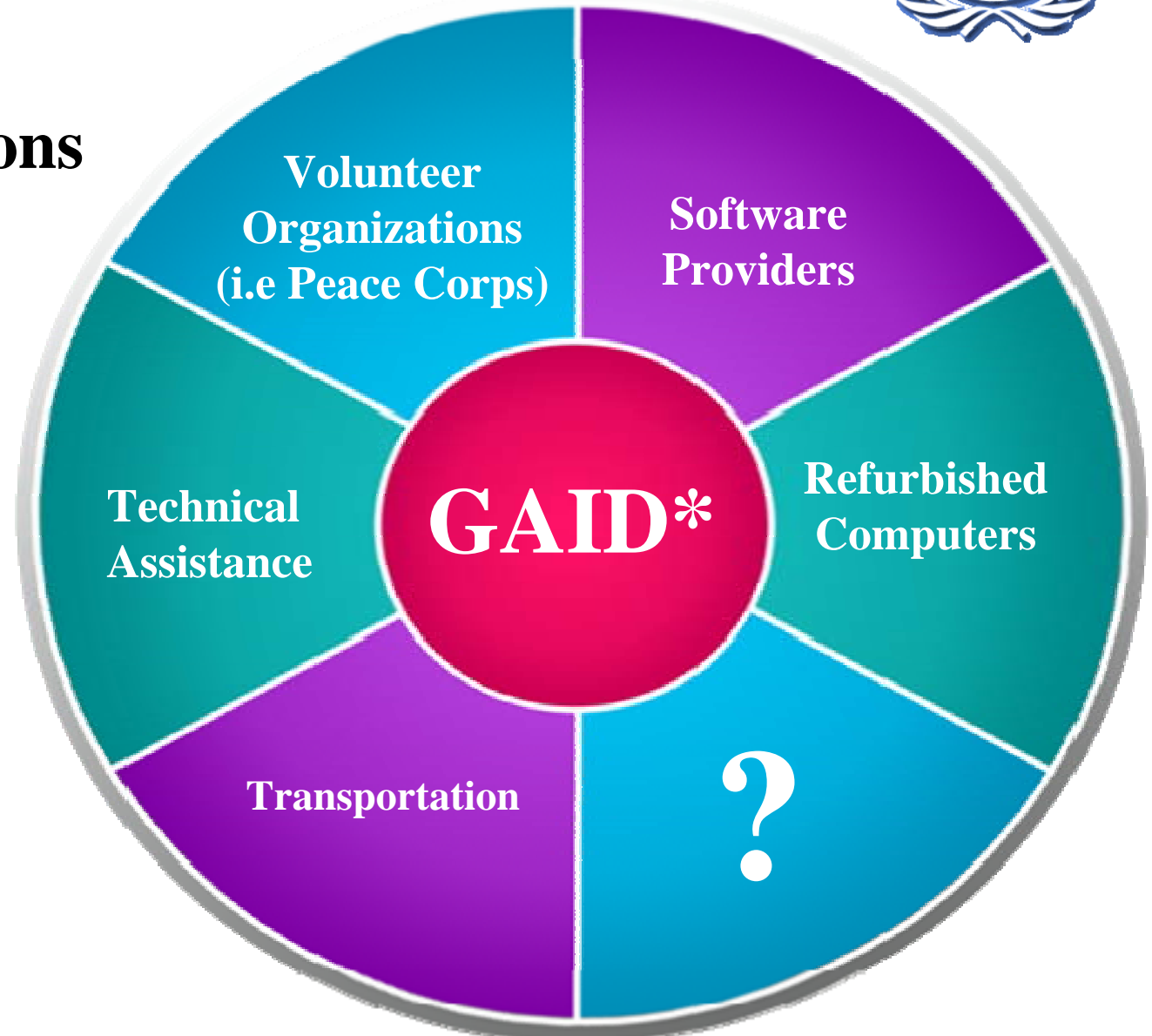
1. **ESTABLISH** and/or expand Information and Communication Technology (ICT) Programs in 60 developing countries by 2012
2. **ASSIST** countries requesting participation to develop or update their Five Year ICT Plans By 2012
3. **ENGAGE** the local ministries to raise awareness and bear the cost for repairing and preparing the computers to generate the feeling of ownership on the part of the recipients.



COLLABORATION



Collaboration Towards Information Communications Technology For Development (ICT4D)



***Global Alliance for
Information
Communications
Technology
and Development**



I. Refurbished and New Computers



1. COOPERATE with 10-13 developed countries for the UN ICT Initiative to collect 500,000 refurbished computers by 2012





2. **OBTAIN** 500,000 refurbished and new computers for ICT countries from various sources by 2012:

YEAR	# OF COMPUTERS	# OF COUNTRIES
2008	83,000	10
2009	83,000	10
2010	83,000	10
2011	83,000	10
2012	168,000	20
TOTAL	500,000	60



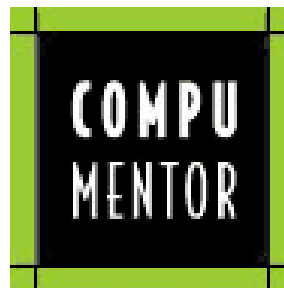
3. **STRATEGIZE** a working relationship with the following by 2008:

- CompuMentor (San Francisco, CA)
- Computer Recycle Center (San Francisco, CA)
- World Computer Exchange (U.S. & Canada)
- Computers for Schools (Canada)
- Computer Aid International (United Kingdom)



A. CompuMentor

- Founded in 1987 in San Francisco, CA
- Created nonprofit technology website, **TechSoup**, which provides education resources
- Utilized by over 400,000 unique monthly users in over 190 countries
- **Distributed over 2.7 million technology donations worldwide**





B. Computer Recycling Center

- Founded in 1991 in San Francisco, CA
- Collection and drop-off programs have diverted millions of pounds of computer equipment from landfills last year alone
- **Over 1 million computer systems recycled/reused**





C. World Computer Exchange

- Founded in 2000
- Connects youth to the internet in 61 developing countries
- **Connected 992,826 youth in 2,323 schools, orphanages, and centers to the internet through their delivery of 23,158 donated computers**

World Computer Exchange
bridging the global digital divide





D. Computers for Schools

- Founded in 1993 in Canada
- Oversees over 50 repair and refurbishing centers throughout Canada
- **Over 750,000 computers provided to schools and public libraries; 113,000 additional computers each year**





E. Computer Aid International

- Founded in 1997 in the United Kingdom
- Ships computers to over 100 countries
- **90,000 personal computers refurbished for reuse in education, health, and not-for-profit organizations in developing countries**

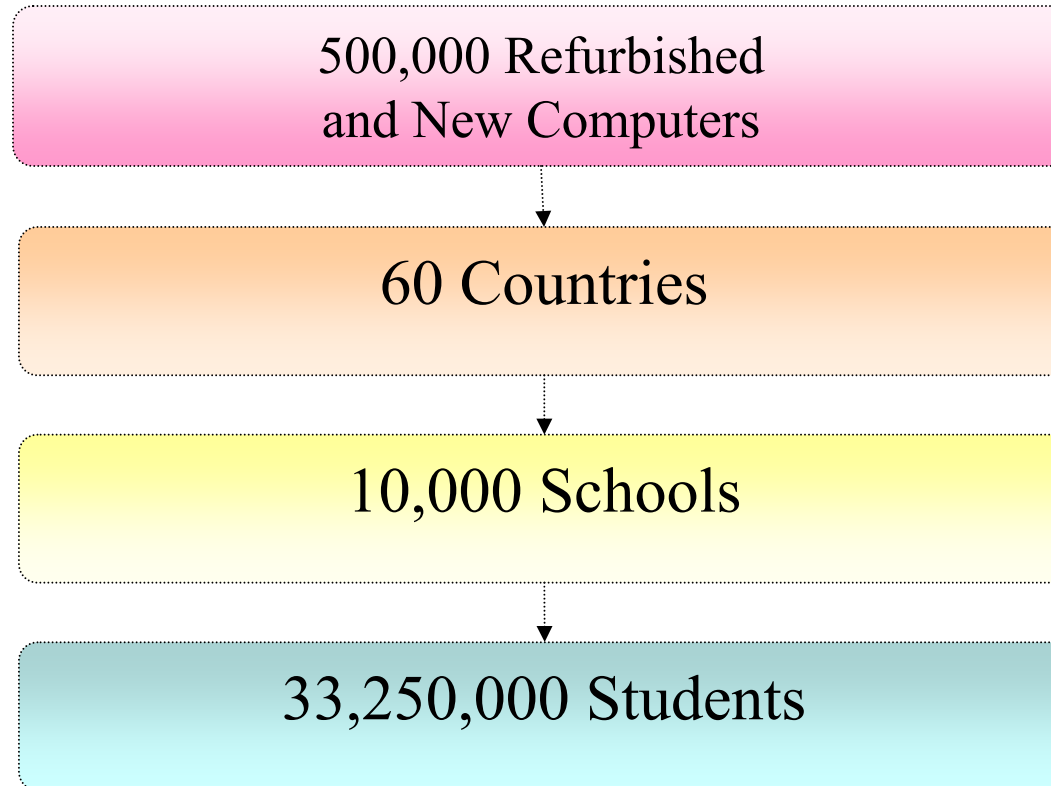


Computer Aid
International



5. **PROVIDE** 500,000 computers to 10,000 schools (20-50 computers per school) to reach approximately 33.25 million students by 2012:

YEAR	# OF COMPUTERS	CUMULATIVE # OF COMPUTERS	# OF SCHOOLS	# OF COMPUTERS PER SCHOOL	# OF STUDENTS PER SCHOOL	TOTAL # OF STUDENTS
2008	83,000	83,000	1,700	50	250	2,075,000
2009	83,000	166,000	1,700	50	250	4,150,000
2010	83,000	249,000	1,700	50	250	6,225,000
2011	83,000	332,000	1,700	50	250	8,300,000
2012	168,000	500,000	3,200	50	250	12,500,000
TOTAL	500,000		10,000			33,250,000



“Let us promote visionary public policies, innovative business models, and creative technological solutions that will **empower young people** and engage them in the global effort to achieve the Millennium Development Goals.” ~ UN Secretary-General Ban Ki-Moon



“Let us turn the digital divide into digital opportunity.” ~ UN Secretary-General Ban Ki-Moon



500,000 Refurbished Computers



10,000 Schools



33,250,000 Students



II. Software Providers



1. **UTILIZE e-Granary Digital Library**, a subscriber-based source of software for educational institutions which is offered **free or at a low cost** to schools, universities and libraries in developing countries. The e-Granary Digital Library already contains **10 million publications**.





2. **DEVELOP** a working relationship with organizations in the **Consumer Electronics** industry by 2008:



A. Microsoft Corporation

- Microsoft Giving Programs
 - ▶ Provides funding or software donation
- Microsoft Authorized Refurbisher (MAR) Donation Program
 - ▶ Works with refurbishers that recycle donated computers and Microsoft donates media, certificates of authenticity, and end-user license agreements
- Fresh Start Program for Donated Computers
 - ▶ Donates Microsoft Office programs as well as personal computers
- **Non-profit partner is TechSoup**





B. Consumer Electronics Association

- Partnering with DFI to establish a Technology Forum at the **Annual International Consumer Electronics Show (CES)** in Las Vegas, NV
 - ▶ Highlight the role technology plays in the areas of:
 1. Poverty Eradication
 2. Environment
 3. Education
 4. Healthcare
 5. Sustainable Economy
- Hoping to increase strategic understanding of various development activities and raise awareness of policymakers on ICT policy issues





III. Transportation



1. **SHIP 500,000** computers to ICT participating schools by 2012



IV. Technical Assistance (Consortium of Universities)

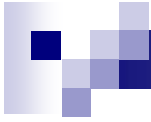


1. **TRAIN 6000** ICT trainers and teachers through Cisco Academies, universities, and iEarn to provide assistance in **60** countries by 2012:

YEAR	# OF TRAINERS & TEACHERS	# OF COUNTRIES
2008	1000	10
2009	1000	10
2010	1000	10
2011	1000	10
2012	2000	20
TOTAL	6000	60



2. **EXPAND** and/or establish
120 sister-school relationships
between developed nations' school
and ICT participating schools by
2012



V. Volunteer Organizations



1. **DISPATCH 4200** volunteers to assist ICT countries to develop and utilize the benefits of ICT by 2012:

- 3600 volunteers for schools (three volunteers per school)
- 600 volunteers for ICT centers (two volunteers per IT centers)
- Work with **United Nations Volunteers** and other volunteer programs such as the United States Peace Corps and Japanese International Corporation Agency (JICA)



2. ESTABLISH 300 ICT centers for 600
volunteers to serve in 60 countries by 2012

YEAR	# OF VOLUNTEERS	# OF ICT CENTERS	# OF COUNTRIES
2008	100	50	10
2009	100	50	10
2010	100	50	10
2011	100	50	10
2012	200	100	20
TOTAL	600	300	60



3. UN ICT Initiative Collaboration

Secretary-General Ban Ki-Moon to encourage collaboration among:

Country	Agency
Argentina	The White Helmets Commission
Australia	AusAID
Canada	Canadian Crossroads International
China	Beijing International Volunteers Association
Germany	German Development Service
Ireland	Irish Aid
Japan	Japan Overseas Cooperation Volunteers
Korea	Korea International Cooperation Agency
Luxembourg	Luxembourg Agency for Development Cooperation
New Zealand	Volunteer Service Abroad
United States	Peace Corps-USAID
United Kingdom	Department for International Development
United Nations	United Nations Volunteers



PROPOSAL

Option	# of Computers	# of Schools	# of Students
1	500,000	10,000	33,250,000
2	100,000	2,000	6,650,000
3	1,000,000	20,000	66,500,000



Option 1:

500,000 Computers

10,000 Schools

33,250,000 Students





Option 1:
Provide **500,000** computers to **10,000** schools
(20-50 computers per school) reaching
approximately **33.25** million students by 2012:

YEAR	# OF COMPUTERS	CUMULATIVE # OF COMPUTERS	# OF SCHOOLS	# OF COMPUTERS PER SCHOOL	# OF STUDENTS PER SCHOOL	TOTAL # OF STUDENTS
2008	83,000	83,000	1,700	50	250	2,075,000
2009	83,000	166,000	1,700	50	250	4,150,000
2010	83,000	249,000	1,700	50	250	6,225,000
2011	83,000	332,000	1,700	50	250	8,300,000
2012	168,000	500,000	3,200	50	250	12,500,000
TOTAL	500,000		10,000			33,250,000



Option 2:

100,000 Computers

2,000 Schools

6,650,000 Students





Option 2:

Provide **100,000** computers to **2,000** schools (20-50 computers per school) reaching approximately **6.65** million students by 2012:

YEAR	# OF COMPUTERS	CUMULATIVE # OF COMPUTERS	# OF SCHOOLS	# OF COMPUTERS PER SCHOOL	# OF STUDENTS PER SCHOOL	TOTAL # OF STUDENTS
2008	16,600	16,600	340	50	250	415,000
2009	16,600	33,200	340	50	250	830,000
2010	16,600	49,800	340	50	250	1,245,000
2011	16,600	66,400	340	50	250	1,660,000
2012	33,600	100,000	640	50	250	2,500,000
TOTAL	100,000		2,000			6,650,000



Option 3:

1,000,000 Computers

20,000 Schools

66,500,000 Students





Option 3:
Provide 1,000,000 computers to 20,000 schools
(20-50 computers per school) reaching
approximately 66.5 million students by 2012:

YEAR	# OF COMPUTERS	CUMULATIVE # OF COMPUTERS	# OF SCHOOLS	# OF COMPUTERS PER SCHOOL	# OF STUDENTS PER SCHOOL	TOTAL # OF STUDENTS
2008	166,000	166,000	3,400	50	250	4,150,000
2009	166,000	332,000	3,400	50	250	8,300,000
2010	166,000	498,000	3,400	50	250	12,450,000
2011	166,000	664,000	3,400	50	250	16,600,000
2012	336,000	1,000,000	6,400	50	250	25,000,000
TOTAL	1,000,000		20,000			66,500,000



“Information and communications technologies have a central role to play in the quest for development, dignity, and peace.”



~ UN Secretary-General Ban Ki-Moon



CHALLENGES

Global Alliance for ICT and Development (GAID) Progress Report 2006:

“The Alliance works toward fulfilling this mission by providing an inclusive, multi-stakeholder global forum and platform for cross-sectional policy dialogue and advocacy and by catalyzing multi-stakeholder, action-oriented partnerships encouraged under the GAID umbrella.

In itself, GAID does not have any operational or implementing role.”

☒ E-Waste Divide



Problem:

The poor have less knowledge of the danger, fewer environmental laws, less workplace protection, and a lack of recycling alternatives. In addition they are likely to be burdened with the e-waste discarded from developed countries.

Solution:



Adopt progressive e-waste recycling laws such as **Europe's Restrictions on Hazardous Substances (RoHS)** directive to set global standards for computer recycling.



CONCLUSION

**“Help us to help them
help themselves.”**

Ambassador Gunnar Garbo
of Norway,

First International Programme
for the Development of
Communication, Chairman





For Further Information Contact:

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