PARTNERSHIP FOR ACTION ON COMPUTING EQUIPMENT (PACE)

1. Background

The concept to establish a Public Private Partnership on the environmentally sound management of used and end-of-life computing equipment was launched during the 9th Meeting of the Conference of the Parties in Bali, Indonesia, in 2008.

With decision IX/9, adopted by the ninth meeting of the Conference of the Parties to the Basel Convention, the Conference of the Parties agreed to establish the Partnership for Action on Computing Equipment Working Group (PACEWG) and agreed with the mission statement, scope, working principles and activities of the PACE, as set out in Annex 1 to the decision IX/9.

Following the launching of the initiative, the PACEWG was formally established in January 2009, as a sustainable public-private partnership for the environmentally sound management of used and end-of-life computing equipment. It is an open forum for all interested Parties and Signatories to the Basel Convention, international organizations, Basel Convention regional and coordinating centres, industry bodies, academic organizations and civil society. The objective of the PACE is to increase the environmentally sound management of used and end-of-life computing equipment, taking into account social responsibility and the concept of sustainable development, and promoting the sharing of information on life-cycle thinking.

The PACEWG prepared its work programme, Terms of Reference and submitted them to the Open-ended working Group (OEWG) for its consideration at its seventh meeting. It contains a set of activities that would assist countries, in particular developing countries and countries with economies in transition, to manage used and end-of-life computing equipment in an environmentally sound manner, it includes activities:

(a) To develop tools (such as guidelines) and activities on environmentally sound refurbishment and repair, including criteria for testing, certification and labelling;

(b) To develop tools (such as guidelines) and activities on environmentally sound recycling and material recovery, including facility certification;

(c) To develop and promote pilot schemes for the environmentally sound management of used and end-of-life computing equipment geared towards the attainment of
the Millennium Development Goals;

(d) To develop awareness-raising and training programme activities.

Furthermore, the PACEWG has developed financial mechanism, organizational structure, and has established five project groups to work on these 4 activities. These are:

- Ad Interim Project Group on Environmentally Sound Management (ESM) Criteria Recommendations,
- Project Group 1.1 on Environmentally Sound Testing, Repair and Refurbishment of Used Computing Equipment,
- Project Group 2.1 on Environmentally Sound Material Recovery and Recycling of End-of-Life Computing Equipment,
- Project Group 3.1 on Collection and Management of End-of-Life Computing Equipment from Informal Sectors, and
- Project Group 4.1 on Awareness Raising and Training.

In addition, two sub-groups: Sub-Group on Resource Mobilization and Financial Sustainability, and Sub-Group on Transboundary Movement of Used and End-of-Life Computing Equipment, were also established to assist project groups in completing their activities.

A number of waste surveys will be launched, based on 35 country proposals received from 5 United Nations regions. These will lead to initiation of pilot projects on collection and management of used and end-of-life computing equipment from informal sectors in developing countries and countries with economies in transition as per the Terms of reference of the Project Group 3.1.

2. Opening Remarks

Dr. Katharina, Kummer Peiry, Executive Secretary, SBC, opened the side event by welcoming all participants and mentioned that the PACE is one of the high priority public-private partnerships under the Basel Convention. She mentioned that under the Basel Convention, public-private partnerships are viewed as a creative mechanism for Parties and all stakeholders to work together in a voluntary forum to ensure that wastes and end-of-life products are being managed in an environmentally sound manner. She noted that PACE is the flag ship for other partnerships under the Basel Convention.

She mentioned that the PACE is making good progress on number of issues as reflected in the COP 9 decision, and hopes that products developed under PACE would facilitate the transfer of know-how to countries that are considering launching projects on environmentally sound management of computing equipment, and are looking for the best available practices.

Following Dr. Kummer Peiry’s opening remarks; Mr. Matthias Kern from the Secretariat of the Basel Convention chaired the side event, and moderated the discussion on all agenda items.
3. **Overview of the PACE Program**

The Co-chair of the PACEWG, Dr. Marco Buletti from Switzerland, made a presentation on the general overview of the PACE. He described goals for the initiative, mission statement, scope of coverage, activities, membership, working structure, and future plans. He identified five project groups, under the PACEWG, responsible for development of: ESM criteria recommendations, guideline on environmentally sound repair and refurbishment of used computing equipment, guideline on environmentally sound material recovery and recycling, pilot projects on collection and management of used and end-of-life computing equipment from informal sectors in developing countries and countries with economies in transition, and awareness raising and training products. He mentioned that all project groups are making good progress and plan to complete their activities by the tenth meeting of the Conference of Parties in 2011 (COP10).

Dr. Buletti highlighted the benefits to Parties participating in this initiative, and outlined the next steps under the PACEWG. He appealed for financial contributions from Parties, Signatories, industry and other stakeholders so that project groups can complete their activities, prior to COP 10. A copy of Dr. Buletti’s presentation in PDF is attached to the report.

4. **Presentations by Project Groups**

Dr. Buletti’s presentation was followed by brief presentations by Co-chairs of each project group, and this power point presentation in PDF is attached to the report:

a) **Ad Interim Project Group**

The Co-chair of the Ad Interim Project Group, Mr. Ross Bartley from BIR, presented activities of the group, indicating that the group has been very active, held a number of teleconferences and two physical meetings. The Ad Interim Project Group has completed its task and finalized a report on ESM criteria recommendations, which has been forwarded to other project groups that are developing guidelines, activities, and pilot projects in developing countries and countries with economies in transition. The report with ESM criteria recommendations can also be found on the Basel Convention web site.

b) **Project Group 1.1**

The Chair of Project Group 1.1, Mr. Andy Howarth from UK, presented the activities of the project group, indicating that it has been very active and has produced a number of drafts of the guideline for consideration by project group participants. It is making good progress to finalize the guideline on environmentally sound repair and refurbishment of used computing equipment to be used to prepare the overall Guidance Document for consideration by COP 10.

c) **Project Group 2.1**

The Chair of Project group 2.1, Mr. John Bullock, from USA, presented the activities of the group, indicating that it has been very active, held also a number of teleconferences and two physical meetings. It is making good progress to finalize the
guideline on environmentally sound material recovery and recycling of end-of-life computing equipment to be used to prepare the overall Guidance Document for consideration by COP 10.

d) **Project Group 3.1**

The Co-chair of Project Group 3.1, Ms. Patricia Whiting from USA, presented the activities of the group, indicating that it has been very active in developing a call for project proposals, evaluating 35 proposals received, and selecting top ranked proposals in all United Nations regions. It is in the process of developing an implementation plan for waste surveys in these top ranked countries and establishment of Project Management Teams to look after these waste studies. Based on survey results, 2-4 countries will be selected for pilot projects, as per project group’s TOR. Recommendations from pilot projects will be implemented in other centers in the country, and regions.

e) **Project Group 4.1**

The Co-chair of Project Group 4.1, Mr. Miguel Araujo from El Salvador, presented the activities of the group, indicating that it is the last project group that was established. Recently its TOR was approved, which lists a number of high and medium priority activities. High priority awareness raising and training products on PACE are being developed for the COP 10 meeting, including a logo on PACE. At the same time at least one workshop on PACE will be organized by BCRCs in each UN region.

5. **Developing Country Perspective on PACE**

Dr. Aisha Mahmood, from Nigeria, presented developing country perspective on PACE, on behalf of Prof. Oladele Osibanjo whose arrival was delayed due to flight delays. She presented developing country problems in managing e-waste and Basel Convention’s response, such as the adoption of Nairobi declaration on ESM of e-waste. She also provided a short overview of the PACE. She stressed that illegal traffic, transboundary movement, and awareness raising and training issues are very important for developing countries, and should be addressed by the PACE. She indicated that some developing countries are very active as Co-chairs, and as participants in the PACEWG and project group activities. However, financial constraint is a major challenge preventing other developing countries from taking part in teleconferences. She appealed to all Parties signatories and stakeholders to provide additional financial contributions to the PACE budget to facilitate a more active participation by developing countries and countries with economies in transition in teleconferences and physical meetings. Prof. Osibanjo’s presentation in PDF is attached to the report.

6. **NGO Perspective on PACE**

Mr. Jim Puckett from BAN stressed that PACE needs additional resources, and encouraged members to pay their dues, as per the approved Terms of Reference and in accordance with agreed to sliding scales. He stressed that additional resources are needed for additional pilot projects being addressed by the Project Group 3.1. He mentioned that
in most developing countries there is lack of proper recycling facilities to manage end-of-life computing equipment in an environmentally sound manner. In particular, there is lack of technologies to deal with CRTs and glass. In addition there is an urgent need to develop proper infrastructure and legal framework to manage such wastes. He urged manufacturers of computing equipment to be more involved in the collection and management of used and end-of-life computing equipment, and to provide a funding mechanism for take back activities. He stressed the importance of finalizing procedures on TBM of used and end-of-life computing equipment, as was done under MPPI, without trying to interpret the Basel Convention. He mentioned that the compromise position, reached under the MPPI, should be adopted by the PACE. Finally, he urged a more balanced participation on the PACE Working Group to include additional members from developing countries, NGOs and OEMs.

7. **Industry Perspective on PACE**

Mr. Ross Bartley from BIR presented industry perspective on PACE, on behalf of Mr. Rick Goss from ITI, who was not able to attend the side event due to the flight cancellation. He provided a brief overview of industry involvement in the PACE. It was mentioned that ITI is the premier high-tech trade association in the United States, representing 45 of the leading global companies in information and communications technologies (ICT). Members are committed to a proper management of used and end-of-life computing equipment and he highlighted benefits of ESM which can provide significant global economic and environmental benefits. Legitimate refurbishment and reuse extends the useful life of valuable equipment and helps bridge the digital divide. Also, proper material recovery addresses concerns over resource shortages, while reducing the overall environmental footprint. He highlighted key role for PACE as being: development of refurbishment and recycling guidelines, promotion of globally responsible recycling practices through pilot projects, identification of opportunities to facilitate ESM, and working closely with Parties in preparation of the transboundary movement guideline. Finally, he mentioned ITI remains committed to supporting the successful completion of PACE, and looks forward to working with all stakeholders on achieving a consensus result that is environmentally and economically sound. Mr. Goss’ power point presentation in PDF is attached to the report.

8. **Cooperation between PACE and Solving the E-Waste Problem (StEP)**

Dr. Schluep presented StEP’s initiative, which is coordinated by the United Nations University. He identified StEP’s vision, objectives, core principles, its membership, organizational chart, and explained activities of 5 task forces: policy, redesign, reuse, recycle, and capacity building. He also presented the Memorandum of Understanding between the Secretariats of the Basel Convention and the Solving the E-waste Problem Initiative, which was signed in September 2008. He mentioned that StEP members participated in the Interim Group which developed the PACE program, and currently are participating on the PACE Working Group and all PACE Project Groups. Finally, he stressed that both PACE and StEP share substantial areas of mutual interest and
undertake complementary activities, designed to enhance coordination of their work and strengthen cooperation, thereby facilitating synergies and minimizing any duplication. The power point presentation in PDF is attached to the report.

9. **Question and Answer Period**

Following these presentations the floor was opened for questions and comments:

- A number of countries have indicated that they are interested in participating in PACE and discussions on the pilot project dealing with collection and management of used and end-of-life computing equipment.

- A number of participants suggested that the PACE should further strengthen its efforts to include participants of developing countries and countries with economies in transition in the deliberations and the work of the PACEWG. PACE should make resources available for developing countries and countries with economies in transition to participate in teleconferences and meetings.

- One participant raised the issue of the pilot project in Pakistan and asked that the issue be reconsidered as there should be no security issues for outside officials to be involved in such studies in Pakistan.

- A number of participants asked for information on procedures to be followed to join the PACE. Both the Secretariat and Co-chair of the PACE Working Group suggested that those, who would like to join PACE, should send an email to the Secretariat.

- A delegate from Brazil asked that EMPA clarifies issues associated with the methodology being used for the e-waste study in Brazil.

10. **Conclusion**

The side event was well attended, with over 60 participants (see Annex 1). Following this side event, Parties to the Basel Convention adopted the decision on PACE extending the PACE work program until COP 10 in 2011 (see Annex 2). The decision calls upon all stakeholders to make voluntary financial and in-kind contributions towards PACE in order to complete its activities, in particular pilot projects on collection and management of used and end-of-life computing equipment from informal sectors in developing countries and countries with economies in transition.
Annex 1: Participant’s List and Advance Copy of OEWG 7 Decision on PACE

PARTIES

BELGIUM
Mr. Yorg Aerts
Policy Advisor
Public Waste Agency of Flanders (OVAM)
Stationsstraat 110
B-2800 Mechelen
Belgium
Tel.: +32 (15) 284348
Fax: +32 (15) 415 072
Email: yorg.aerts@ovam.be

BENIN
M. Imorou Ouro-Djeri
Directeur Général Adjoint de l'Environnement
Ministère de l'Environnement et de la Protection de la Nature
01 BP 3621
Cotonou
Benin
Tel.: +229 97096372 / +229 21312065
Fax: +229 21315081
Email: djerbeth@yahoo.fr / imourodijeri@yahoo.com

CAMBODIA
Mr. Choviran Ken
Deputy Director
Department of Pollution Control
Ministry of Environment
48, Samdech Preah Sihanouk Tonle Bassac, Chamkarmon
Phnom Penh
Cambodia
Tel.: +855 (12) 856 818 / +855 977006060
Fax: +855 (23) 987 880
Email: choviran@yahoo.com / moepcd@online.com.kh

CANADA
Ms. Carolyne Blain
Director
WRMD
Environment Canada
Place Vincent Massey, 351 St-Joseph,14th Floor
Gatineau
Québec
Canada K1A 0H3
Tel.: +1 (819) 934 1509
Fax: +1 (819) 997 3068
Email: Carolyne.Blain@ec.gc.ca

Ms. Jacinthe Séguin
Manager of Waste Policy
WRMD
Environment Canada
Place Vincent Massey, 351 St-Joseph, 14th Floor
Gatineau
Québec
Canada K1A 0H3
Tel.: +1 (819) 953 1390
Fax: +1 (819) 997 3068
Email: jacinthe.seguin@ec.gc.ca

CHILE
Sr. Julio Monreal
Head of Environmental Health Department
Ministry of Health
Mac Iver 459, Piso 8
8320101 Santiago
Chile
Tel.: +56 (2) 5740791
Fax: +56 (2) 6649150
Email: jmonreal@minsal.cl

CHINA
Mr. Kexiong Du
Program Official
Ministry of Environmental Protection
115a Xi Zhi Men Nei Nan Xiao Jie
Beijing 100035
China
Tel.: +86 (10) 6655 6257
Fax: +86 (10) 6655 6252
Email: du.kexiong@mep.gov.cn

Mr. Xuefeng Wen
Associate Professor
Sino-Japan Friendship Centre for Environment Protection
No.1, Yuhui Nan Road, Chaoyang District
Beijing 100029
China
Tel.: +86 (10) 84665573
Fax: +86 (10) 84634690
Email: wenxuefeng@tsinghua.edu.cn

Ms. Li Li
Researcher
Chinese Research Academy of Environment Sciences
No. 8 Dayangfang Anwai
Beijing 100012
China
Tel.: +86 (10) 84915182
Fax: +86 (10) 84913903
Email: li_li@craes.org.cn

COLOMBIA
Sr. José Álvaro Rodriguez
Senior Specialized Officer
Sustainable Development Office
Ministry of Environment, Housing and Territorial Development
Calle 37 N. 8-40
Bogotá
Colombia
Tel.: +57 (1) 3323400 Ext.2417
Fax: +57 (1) 3323400 Ext.2378
Email: jarodriguez@minambiente.gov.co

GABON
M. Serge Molly Allo'o Allo'o
Directeur Technique du Centre National Anti-Pollution et Coordonnateur du Projet POPs
Center for National Antipollution
B.P. 3241
Libreville
Gabon
Tel.: +241 7708528
Fax: +241 721490
Email: sergemolly05@yahoo.fr / allsergemolly@hotmail.com

GEORGIA
Mr. Irakli Legashvili
Main Specialist
Waste and Chemical Substances Management Department
Ministry of Environment Protection and Natural Resources
6 Gulua Street
0114 Tbilisi
Georgia
Tel.: +995 (32) 72 72 27 / +995 (93) 200085
Fax: +995 (32) 72 72 28 / +995 (32) 72 72 23
Email: chem_ira@yahoo.com

GERMANY
Dr. Andreas Jaron
Head of Division
Federal Ministry of the Environment
Robert-Schuman-Platz 3
D-53639 Bonn
Germany
Tel.: +49 (228) 305 2570
Fax: +49 (228) 305 2398
Email: andreas.jaron@bmu.bund.de
Dr. Joachim Wuttke  
Civil Servant  
Federal Environment Agency  
Worlitzer Platz 1  
06844 Dessau  
Germany  
Tel.: +49 (340) 2103 3459  
Fax: +49 (340) 2103 3103  
Email: joachim.wuttke@uba.de

INDONESIA  
Mr. Herry Handani  
Head of Division  
Ministry of Environment  
JL. D.I. Panjaitan  
Kav 24  
Jakarta Timur 1340  
Indonesia  
Tel.: +62 (21) 8590 4932  
Fax: +62 (21) 8590 4932  
Email: siherry02@yahoo.com

JAPAN  
Mr. Shunichi Honda  
Technical Official  
Ministry of the Environment  
100-8975  
Tokyo  
1-2-2 Kasumigaseki, Chiyoda-ku  
Japan  
Tel.: +81 (3) 55013157  
Fax: +81 (3) 35938264  
Email: Shunichi_honda@env.go.jp

LIBERIA  
Mr. Henry O. Williams  
Manager  
Intersectoral Department  
Environment Protection Agency  
P.O. Box 4024  
4th Street Sinkor  
1000 Monrovia 10  
Monrovia  
Liberia  
Tel.: +231 (6) 587734  
Fax:  
Email: necolib_pop@yahoo.com

MALI  
M. Boubacar Diakite  
Directeur  
National Adjoint de l’Assainissement et du  
Contrôle des Pollutions et des Nuisances  
Ministère de l’Environnement et de  
l’Assainissement  
Dravéla Bolobana
PORTUGAL

Porte 191, Rue 415
BPE 3114 Bamako
Mali
Tel.: +223 (20) 29 50 90 / +223 (66) 72 03 81
Fax: +223 (20) 29 50 90 / +233 (20) 29 38 04
Email: diakebouca@yahoo.fr

MONTENEGRO

Mr. Dragan Asanovic
Senior Advisor
Ministry of Spatial Planning and Environment
Rimski Trg 46
81.000 Podgorica
Montenegro
Tel.: +382 (20) 482 176 / +382 (20) 482 336
Fax: +382 (20) 234 237 / +382 (20) 234 131
Email: dragan.asanovic@cap.org.me /
dragan.asanovic@gov.me

NIGERIA

Ms. Aisha Usman Mahmood
Deputy Director
Pollution Control and Environmental Health
Federal Ministry of Environment
Aguyi Ironsi Street
P.M.B 468 Garki
Abuja
Nigeria
Tel.: +234 (80) 5964 9400
Fax:
Email: aishaddly@yahoo.com

Ms. Oluronke Soyombo
Director
National Environmental Standards and Regulations Enforcement Agency (NESREA)
#4 Oro-Ago Crescent, off Muhamadu Buhari Way
Garki II
Abuja-FCT P.M.B. 641
Nigeria
Tel.: +234 (80) 36441567
Fax:
Email: rsoyombo@nesrea.org

NORWAY

Ms. Silje Johannessen
Advisor
Climate and Pollution Agency (KLIF)
Strømsveien 96
0572 Oslo
Norway
Tel.: +47 (22) 573400
Fax:
Email:
Mr. Ole Thomas Thommesen  
Advisor  
Climate and Pollution Agency (KLIF)  
Strømsveien 96  
0572 Oslo  
Norway  
Tel.: +47 (22) 573602  
Fax:  
Email: ott@klif.no

PAKISTAN  
Mr. Abid Ali  
Joint Secretary  
International Cooperation  
Ministry of Environment  
LG & RD Complex, Sector G-5/2  
4th Floor, Local Government Building  
Islamabad-44000  
Pakistan  
Tel.: +92 (51) 924 5523  
Fax: +92 (51) 924 5524  
Email: jsicenv@gmail.com / aali90@yahoo.com

Mr. Aftab Ahmad Khokher  
Deputy Permanent Representative  
Rue de Moillebeau 56  
1211 Geneva 19  
Switzerland  
Tel.: +41 (22) 7491938  
Fax: +41 (22) 7348085  
Email: khokher_aftab@yahoo.com

REPUBLIC OF KOREA  
Mr. Dongjin Lee  
Senior Researcher  
Resource Recirculation Research Center  
National Institute of Environmental Research (NIER)  
Environmental Research Complex  
Gyeongseo-dong, Seo-gu  
Incheon 404-708  
Republic of Korea  
Tel.: +82 (32) 5607918  
Fax: +82 (32) 5682039  
Email: dongj7@korea.kr

Ms. Young Ju Baek  
General Manager, Eco-Assurance Team  
Environmental Research Complex  
Korea Environment Corporation  
Gyeongseo-dong, Seo-gu  
Incheon
SENEGAL
M. Assane Diop
Chef du Bureau des Autorisations et des Inspections des Installations Classés / Point Focal National de la Convention de Bâle Division des Etablissements Classés (DEC) Direction de l’Environnement et des Etablissements Classés (DEEC)
106 Rue Carnot Dakar
BP 6557
Dakar
Senegal
Tel.: +221 776500183 / +221 765186850
Fax: +221 338226212
Email: assanediop26@yahoo.fr

SLOVAKIA
Ms. Katarina Lenkova
Expert Centre of Waste Management and Basel Convention Slovak Environmental Agency CWM Hanulova 5/D 844 40 Bratislava Slovakia Tel.: +421 (2) 6020 1643 Fax: +421 (2) 6428 2683 Email: katarina.lenkova@sazp.sk

SWEDEN
Ms. Margareta Appelberg
Desk Officer Environmental Protection Agency 10648 Stockholm Sweden Tel.: +46 (76) 115 15 23 Fax: +46 (8) 698 10 99 Email: margareta.appelberg@naturvardsverket.se

SWITZERLAND
Ms. Gabriela Eigenmann
Senior Policy Advisor International Affairs Division Federal Office for the Environment (FOEN) 3003 Bern Switzerland Tel.: +41 (31) 3229503 Fax: +41 (31) 3230349 Email: gabi.eigenmann@bafu.admin.ch
Mr. Thomas Heimgartner  
Diplomatic Officer  
International Environment Affairs  
Federal Office for the Environment (FOEN)  
3003 Bern  
Switzerland  
Tel.: +41 (31) 3232198  
Fax:  
Email: thomas.heimgartner@eda.admin.ch

Mr. Marco Claudio Buletti  
Federal Officer for the Environment  
Federal Office for the Environment (FOEN)  
3003 Bern  
Switzerland  
Tel.: +41 (31) 322 6837  
Fax: +41 (31) 323 0369  
Email: marco.buletti@bafu.admin.ch

THAILAND  
Mr. Patarapol Tularak  
Environmentalist  
Pollution Control Department  
92 Soi Phahon Yothin 7,  
Phahonyothin Road, Phaya Thai  
Bangkok 10400  
Thailand  
Tel.: +66 (2) 2982435 / +66 844645252  
Fax: +66 (2) 2982438  
Email: patarapol.t@pcd.go.th

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND  
Mr. Andy Howarth  
Head of Hazardous and International Waste Department for Environment, Food and Rural Affairs (DEFRA)  
Nobel House  
17 Smith Square  
SW1P 3JR London  
United Kingdom of Great Britain and Northern Ireland  
Tel.: +44 (207) 238 4334  
Fax: +44 (207) 238 4860  
Email: andy.howarth@defra.gsi.gov.uk

SIGNATORIES

AFGHANISTAN  
Mr. Gholam Ali Yaghobi  
Deput Director, Research and Policy  
Reasearch and Policy  
National Environmental Protection Agency (NEPA)
UNITED STATES OF AMERICA
Mr. David Buchholz  
Attorney-Adviser  
Office of the Legal Adviser  
U.S. Department of State  
2201 C Street, N.W. Room 6422  
Washington D.C. 20520  
United States of America  
Tel.: +1 (202) 647 3219  
Fax:  
Email: buchholzdo@state.gov

Mr. Frank McAlister  
Branch Chief  
Environmental Protection Agency  
ORCR (5304P), US EPA  
1200 Pennsylvania Ave NW  
Washington D.C. 20460  
United States of America  
Tel.: +1 (703) 308 8196  
Fax: +1 (703) 308 0522  
Email: mcalister.frank@epa.gov

Ms. Patricia Whiting  
Environmental Protection Specialist  
Office of Resource Conservation and Recovery  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW (5304P)  
Washington D.C. 20460  
United States of America  
Tel.: +1 (703) 308 8421  
Fax: +1 (703) 308 0514  
Email: whiting.patricia@epa.gov

BCRCs
Ms. Dana Lapešová  
Director  
Basel Convention Regional Centre (BCRC) for Training and Technology Transfer for Central Europe in Bratislava  
Hanulova 5/D  
844 40 Bratislava  
Slovak Republic  
Tel.: +421 (2) 60201639  
Fax: +421 (2) 64282683
Email: dana.lapesova@sazp.sk

Mr. Liu Hao  
Engineer  
Basel Convention Coordinating Center (BCCC) for Asia and the Pacific, China  
Stockholm Convention Regional Center on POPs  
Room 805, Sino-Italian Environment and Energy Building  
Tsinghua University  
Beijing 100084  
China  
Tel.: +86 (10) 62794351  
Fax: +86 (10) 62772048  
Email: bccc@tsinghua.edu

Prof. Jinhui Li  
Executive Secretary  
Basel Convention Coordinating Center (BCCC) for Asia and the Pacific, China  
Stockholm Convention Regional Center on POPs  
Room 805, Sino-Italian Environment and Energy Building  
Tsinghua University, Haidian District  
Beijing 100084  
China  
Tel.: +86 (10) 6279 4143  
Fax: +86 (10) 6277 2048  
Email: jinhui@tsinghua.edu.cn / bccc@tsinghua.edu.cn

Dr. Michel Seck  
Directeur  
Basel Convention Regional Centre for Francophone Africa (BCRC-AF), Senegal  
93 Rue Amadou Assane Ndoye, 4e étage  
BP 6557  
Dakar  
Senegal  
Tel.: +221 (33) 823 89 77 / 82 / +221 (33) 821 07 25  
Fax: +221 (33) 8226212  
Email: michelseck@gmail.com

Prof. Mohamed Hani A. Moubasher  
Director  
Basel Convention Regional Centre (BCRC) for Training and Technology Transfer for Arab States in Egypt  
Cairo University  
P.O. Box 453 Al Orman  
Giza, Cairo  
12612  
Egypt
Mr. Miguel Araujo  
Director  
Basel Convention Regional Center for Central America and Mexico (BCRC-CAM)  
Boulevard Orden de Malta No. 470  
Urbanización Santa Elena, Antiguo Cuscatlán  
La Libertad  
El Salvador  
Tel.: +503 (2248) 8990  
Fax: +503 (2248) 8894  
Email: maraujo@sica.int / maraujo@marn.gob.sv

Dr. Taelo Letsela  
Executive Director  
Basel Convention Regional Centre (BCRC) for English-speaking African countries in South Africa  
Private bag X447  
Pretoria 0001  
South Africa  
Tel.: +27 (12) 3103627  
Fax: +27 (12) 3205540  
Email: tletsela@deat.gov.za

Mr. Oladele Osibanjo  
Executive Director  
Basel Convention Coordinating Centre (BCCC) for Training and Technology Transfer for the African Region  
1 Ijoma Road  
Ibadan  
Nigeria  
Tel.: +234 8033013378 / +234 (2) 8736322  
Fax: +234 (2) 8103168 / +234 (1) 497-3023  
Email: oosibanjo@yahoo.com / osibanjo@baselnigeria.org

OTHERS

UNITED NATIONS ENVIRONMENT PROGRAMME (UNEP)  
Mr. Fouad Abousamra  
MED POL Programme Officer  
Mediterranean Action Plan (MAP)  
United Nations Environment Programme (UNEP)  
Vassileos Konstantinou Avenue 48,  
11635 Athens  
Greece
Tel.: +30 (210) 7273116 / +30 (210) 7273128
Fax: +30 (210) 7253196 / +30 (210) 7253197
Email: fouad@unepmap.gr

UNEP CHEMICALS
Ms. Heidelore Fiedler
Scientific Affairs Officer, Chemicals Branch
Division of Technology, Industry & Economics (DTIE)
United Nations Environment Programme (UNEP)
International Environment House
11-13 Chemin des Anémones
CH-1219 Châtelaine (Geneva)
Switzerland
Tel.: +41 (22) 917 81 87
Fax: +41 (22) 797 34 60
Email: heidelore.fiedler@unep.org

Mr. David Piper
Task Manager (POPs), Chemicals Branch
Division of Global Environment Facility (DGEF)
United Nations Environment Programme (UNEP)
International Environment House
11-13 Chemin des Anémones
CH-1219 Châtelaine (Geneva)
Switzerland
Tel.: +41 (22) 9178345
Fax: +41 (22) 7973460

Mr. Kevin Munn
Programme Officer, Chemicals Branch
Division of Technology, Industry & Economics (DTIE)
United Nations Environment Programme (UNEP)
International Environment House
11-13 Chemin des Anémones
1219 Châtelaine (Geneva)
Switzerland
Tel.: +41 (22) 917 8186
Fax: +41 (22) 797 3460
Email: kevin.munn@unep.org

INTERNATIONAL LABOUR ORGANIZATION (ILO)
Mr. David Seligson
Sectoral Specialist on Manufacturing Sectoral Activities Department
International Labour Organization (ILO)
4, Route des Morillons
CH-1211 Geneva 22
Switzerland
Tel.: +41 (22) 7998160
Fax: +41 (22) 7997296
Email: seligson@ilo.org

BUREAU OF INTERNATIONAL RECYCLING (BIR)
Mr. Ross Bartley
Environment and Technical Director
Bureau of International Recycling (BIR)
Avenue Franklin Roosevelt 24
B-1050 Brussels
Belgium
Tel.: +32 (2) 627 5770
Fax: +32 (2) 627 5773
Email: bir@bir.org

INSTITUTE OF ENVIRONMENT AND RESOURCES (IER)
Dr. Wen-Ling Chiu
Associate Researcher
Institute of Environment and Resources (IER)
7th Fl. No.45, Han-Ko St., Sec. 1
Taipei 100
China
Tel.: +886 (2) 23753013 Ext 185
Fax: +886 (2) 23753011
Email: wenlingchiu@mail2000.com.tw

INTERNATIONAL PRECIOUS METALS INSTITUTE (IPMI)
Mr. John Bullock
International Precious Metals Institute (IPMI)
23 Country Club Road
Cheshire C.T. 06410
United States of America
Tel.: +1 (203) 2729292
Fax: 
Email: mail@johnbullock.com

BASEL ACTION NETWORK (BAN)
Mr. James Puckett
Executive Director
Basel Action Network (BAN)
122 S. Jackson St, Suite 320
Seattle W.A. 98104
United States of America
Tel.: +1 (206) 652-5555
Fax: +1 (206) 652-5750
Email: jpuckett@ban.org

Ms. Sarah Westervelt
e-Stewardship Policy Advisor
Basel Action Network (BA)
122 S. Jackson St., suite 320
Seattle W.A. 98104
United States of America
Tel.: +1 (206) 652 5555
EX CORPORATION
Mr. Junya Kikuhara
Senior Consultant
Environmental Policy Group
EX Corporation
17-22 Takada 2 Chome, Toshima-ku
171-0033 Tokyo
Japan
Tel.: +81 (3) 5956 7516
Fax: +81 (3) 5956 7523
Email: kikuhara@exri.co.jp

Mr. Osamu Sakamoto
Consultant
EX Corporation
17-22, Takada 2 Chome, Toshima-Ku
171-0033 Tokyo
Japan
Tel.: +81 (3) 5956 7516
Fax: +81 (3) 5956 7523
Email: sakamoto@exri.co.jp

INSTITUTE OF DEVELOPING ECONOMIES, JAPAN EXTERNAL TRADE ORGANIZATION (IDE-JETRO)
Mr. Michikazu Kojima
Organization Staff
Institute of Developing Economies, Japan
External Trade Organization (IDE-JETRO)
261-8545
Chiba
Wakaba 3-2-2, Mihama-ku, Chiba-shi
Japan
Tel.: +81 (43) 299 9565
Fax: +81 (43) 299 9763
Email: david.piper@unep.org
EMPA
Dr. Mathias Schluep
Project Manager Sustec / sustainable technology cooperation
Technology and Society Lab
Empa – Materials Science & Technology
Lerchenfeldstrasse 5
9014
St. Gallen
Switzerland
Tel. (+4171) 274 78 57
Mobile: (+4179) 334 54 74
Fax: (+4171) 274 78 62
Email: Mathias.Schluep@empa.ch

SECRETARIAT OF THE BASEL CONVENTION
Ms. Katharina Kummer Peiry
Executive Secretary
Secretariat of the Basel Convention
International Environment House
Chemin des Anémones 15
1219 Châtelaine
Geneva, Switzerland
Tel. (+4122) 917 8213
Email: katharina.kummer@unep.org

Mr. Matthias Kern, Chief
Implementation and Capacity Building Unit
Secretariat of the Basel Convention
International Environment House
Chemin des Anémones 15
1219 Châtelaine
Geneva, Switzerland
Tel. (+4122) 917 87 67
Email: matthias.kern@unep.org

Mr. Dadan Wardhana
Programme Officer – Projects
Secretariat of the Basel Convention
International Environment House
Chemin des Anémones 15
1219 Châtelaine
Geneva, Switzerland
Tel. (4122) 917 82 23
Email dadan.wardhana@unep.org

Ms. Francesca Cenni
Programme Officer – Projects
Secretariat of the Basel Convention
International Environment House
Chemin des Anémones 15
1219 Châtelaine
Geneva, Switzerland
Tel. (+4122) 917 83 64
Email: francesca.cenni@unep.org

Mr. John Myslicki
President, John Myslicki Consulting (Consultant to SBC)
16 Hampel Crescent
Ottawa, Ontario
Canada K2S1E4
Tel. (+613) 836 90 24
Fax: (+613) 836 90 25
Email: john.myslicki@rogers.com
Draft decision on the Partnership for Action on Computing Equipment

Submission by the European Union

The Open-ended Working Group,

Recalling its decision IX/9,

Also recalling the Basel Declaration on Environmentally Sound Management and the Nairobi Declaration on the Environmentally Sound Management of Electrical and Electronic Waste,

Welcoming initiatives of the working group of the Partnership for Action on Computing Equipment to coordinate and collaborate in, as appropriate, its activities with other bodies and undertakings, such as the Solving the E-waste Problem initiative, coordinated by the United Nations University, to establish synergies and to prevent the duplication of activities in the environmentally sound management of used and end-of-life computing equipment,

Acknowledging that awareness-raising and information-sharing on the environmentally sound management and control of the transboundary movement of used and end-of-life computing equipment are of particular importance to Parties, in particular developing countries and countries with economies in transition,

1. Notes with appreciation the progress made in the implementation of the Partnership and welcomes the report submitted by the co-chairs of the Partnership;¹

2. Takes note of the final terms of reference for the Partnership set out in annex B to that report;

¹ UNEP/CHW/OEWG/7/INF/6.
3. *Also takes note* of the financial arrangements for the Partnership referred to in annex 3 to those final terms of reference;

4. *Further takes note* of the elements for a more detailed workplan contained in annex A to the report submitted by the co-chairs of the Partnership and requests the working group of the Partnership to finalize and publish a more detailed workplan for 2009–2011;

5. *Requests* the Partnership to develop a draft overall guidance document on the environmentally sound management of used and end-of-life computing equipment and requests the Secretariat to publish this document on the Basel Convention website;

6. *Invites* Parties and others to submit comments to the Secretariat by 31 May 2011 on the draft overall guidance document on the environmentally sound management of used and end-of-life computing equipment based on their experiences and needs, to be submitted to the Conference of the Parties at its tenth meeting for its consideration;

7. *Requests* the Partnership to revise the draft overall guidance document taking into account the comments received;

8. *Invites* Parties, signatories, members of industry organizations and international governmental and non-governmental organizations to make financial and in-kind contributions in order to enable the Partnership:
   
   (a) To initiate additional e-waste surveys and pilot projects on the collection and management of end-of-life computing equipment from the informal sector in developing countries and countries with economies in transition;
   
   (b) To facilitate the participation of developing countries and countries with economies in transition;
   
   (c) To facilitate the development and implementation of guidelines, tools and activities;

9. *Requests* the Secretariat:
   
   (a) To submit the revised draft overall guidance document to the Conference of the Parties at its tenth meeting for its consideration;
   
   (b) To report to the Conference of the Parties at its tenth meeting on progress in the activities undertaken by the Partnership;
   
   (c) To prepare a draft decision on the Partnership for consideration by the Conference of the Parties at its tenth meeting.