

## REPORT

### E-waste Africa Project Inspection and enforcement training

*The Netherlands and Belgium  
September 13 – 24, 2010*

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## 0. SUMMARY

As part of the SBC E-waste Africa project, component 4, IMPEL hosted a train-the-trainer event on E-waste inspection and enforcement. The event took place between 13 and 24 September 2010 in the Netherlands and Belgium. In total 19 officers from competent authorities in Ghana, Benin, Egypt and Nigeria and the Directors of the Basel Convention Regional Centres in Egypt and Senegal and the Basel Convention Coordinating Centre in Nigeria were trained.

The training was created around six modules: A: Knowledge and awareness, B: Legislation, C: Port procedures, D: Communication and Collaboration, E: Inspection Methods and F: Train-the-trainer path. The programme consisted of a combination of theoretical sessions, practical exercises and field trips to the ports of Amsterdam, Rotterdam and Antwerp and e-waste collection and treatment sites.

The final exercise requested the participants to develop the e-waste chain as applicable in their own country and list possible intervention moments and strategies. Furthermore a preliminary discussion took place concerning the national trainings that are foreseen to be organised in 2011 in the participating African countries. Also the development of a toolkit to support the trainings and the establishment of a European – African enforcement network were considered.

Overall the training was regarded as very valuable and well organised and set up. The active involvement and engagement of the participants contributed to the success of the training!

The next steps are to prepare the national training events in 2011, such as identifying focal points and lead organisations in the African countries, proposing a format for the training, agreeing on dates and developing the toolkit and the EU – African enforcement network.



## 1. INTRODUCTION

In 2009 the Secretariat of the Basel Convention (SBC) launched the E-waste Africa project. This programme aims to build local capacity to address the flow of e-wastes and electrical and electronic products for reuse in selected African countries and augment the sustainable management of resources through the recovery of materials in e-wastes.

The programme consists of four components:

- I. Conduction of a study on flows in used and end-of-life e-products imported into Benin, Côte d'Ivoire, Ghana, Liberia and Nigeria, from European countries;
- II. National assessments on used and end-of-life of equipment and on national environmentally sound management plans;
- III. A socio-economic study on the e-waste sector in Nigeria and a feasibility study of international co-operations between African SMEs and European recycling companies;
- IV. Development of an enforcement program in Benin, Egypt, Ghana, Nigeria and Tunisia in order to prevent illegal e-waste shipments and to improve the control and monitoring of these shipments.

The European Network for the Implementation and Enforcement of Environmental Law (IMPEL) together with the Basel Convention Coordinating Centre (BCCC) in Nigeria are responsible for the implementation of component 4. To that end both organisations have signed a MoU.

To implement component four, a training curriculum aimed at port and customs authorities, governmental officials and accreditation authorities will be developed by IMPEL, the BCCC and SBC; including training workshops in the five countries and an exchange programme for officials of these countries in Europe. Also, it will aim to develop a scheme for exchanging information on end-of-life e-equipment between exporting and importing states in Africa and in Europe and the development of an enforcement network.

The first discussions about exchange programme in the EU took place at the kick off meeting<sup>1</sup>, held November 2009 in Ghana.

This report reflects the results of the exchange programme that took place in the Netherlands and Belgium between 13 and 24 September 2010.

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<sup>1</sup> Report of the Ghana workshop is available at: <http://impelfs.eu/projects/eu-africa-collaboration>



## **2. PROGRAMME**

### **2.1 Aim**

The aim of the exchange programme was firstly to familiarize the participants on the enforcement of provisions of the Basel Convention, European waste of electrical and electronic equipment (WEEE) systems, both EU and global classification systems and regulatory regimes that are applicable to WEEE.

Secondly, as the training was developed according to the train-the-trainer concept, the programme contained elements focussing on training skills.

Thirdly the training should also generate input for the other deliverables under component four, namely the training curriculum for the trainings in the African countries, the toolkit and the enforcement network.

### **2.2 Participants and Trainers**

Officers from Egypt, Benin, Nigeria and Ghana, representing Ministries of Environment, Environmental Protection Agencies, Customs, Environmental Police and Port Authorities were invited to the training. Also the directors of the Basel Convention Regional Centres of Egypt and Senegal and the Director of the BCCC, were invited.

In total 19 persons participated in the training. Although Tunisia was invited to the meeting, they were not represented. Before and during the training, the participants were invited to complete the Participants Introduction Sheet, which gathered more information about their job position, background and expectations of the training. The general results of this survey can be found in annex II.

The trainers, on behalf of IMPEL, were representatives from competent authorities from Belgium, Norway, United Kingdom, the Netherlands and Switzerland. Furthermore the research institute EMPA, the United Nations University and several private companies dealing with e-waste were involved in parts of the training. See annex I for the list of participants.

### **2.3 Training Curriculum**

During the kick off workshop in Accra (November 2009), it was decided to set up a modular training programme. Besides the lectures and presentations, also several field trips and practical exercises were included in the programme.

To prepare the training and modules, several mind maps have been developed. Due to an intensive programme for the two week training, some of the listed items in the mind maps were not dealt with in detail. However the modules provided a useful structure to cover as many relevant subjects as possible.

The training curriculum consisted of the following modules:

A. Knowledge and awareness

This module focused in general on the e-waste trade and the problems and risks of e-waste, used electronic and electrical equipment (UEEE) and near end-of-life equipment for human health and the impacts on the environment.

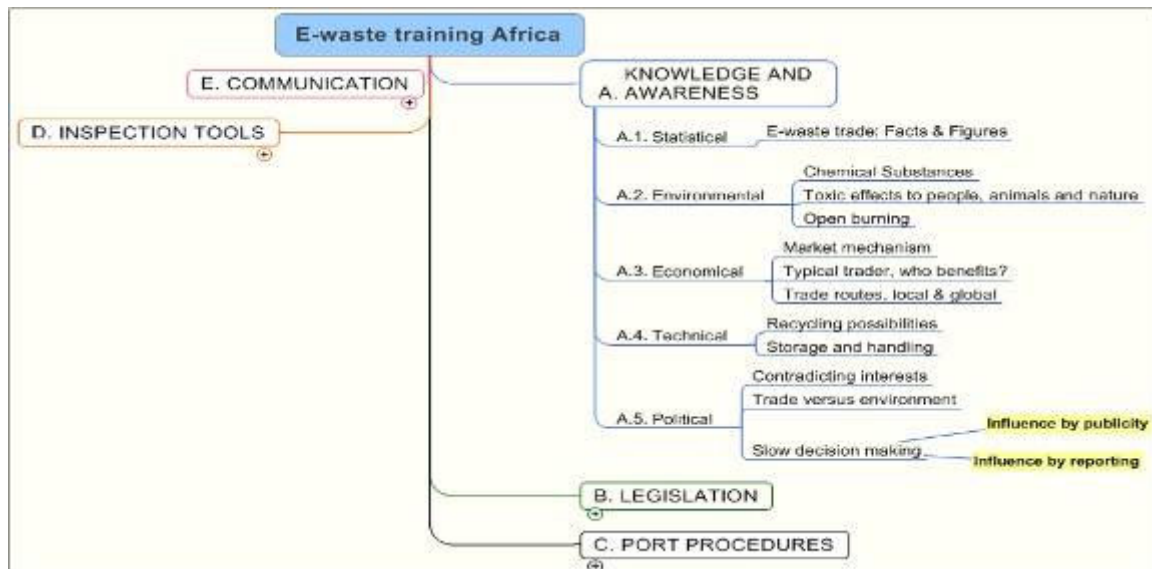


Illustration 1. Parts of the Knowledge and Awareness module

B. Legislation

The legislation module informed the participants about the provisions of the Basel Convention, about regional legislation, such as the Bamako Convention and the European Waste Shipment Regulation and WEEE Directive and about national legislation related to e-waste. Practical exercises were organised in waste recognition and classification.

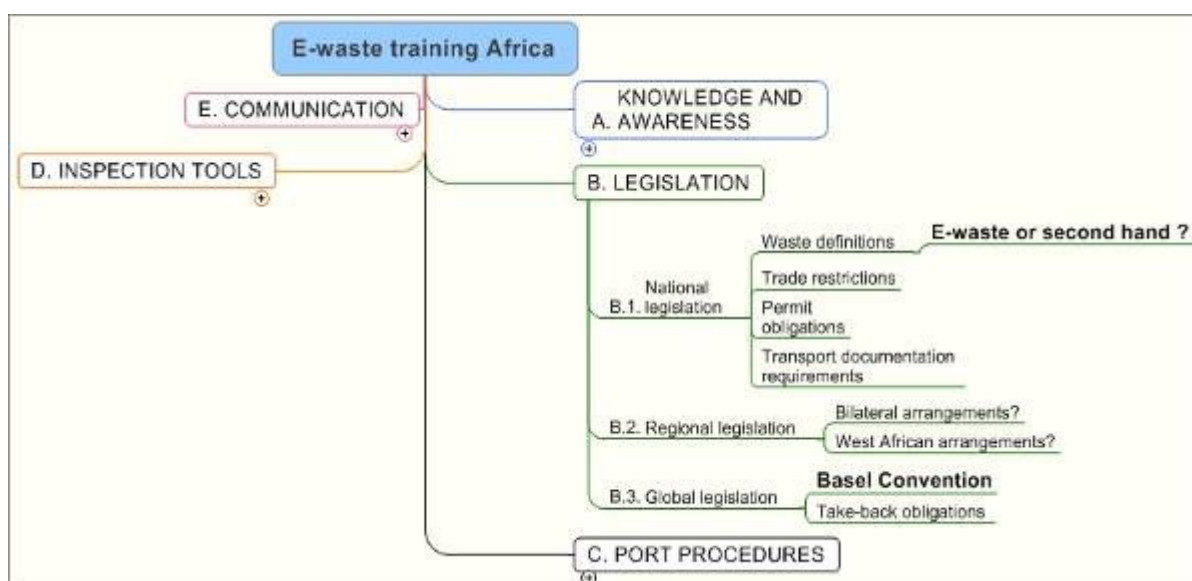
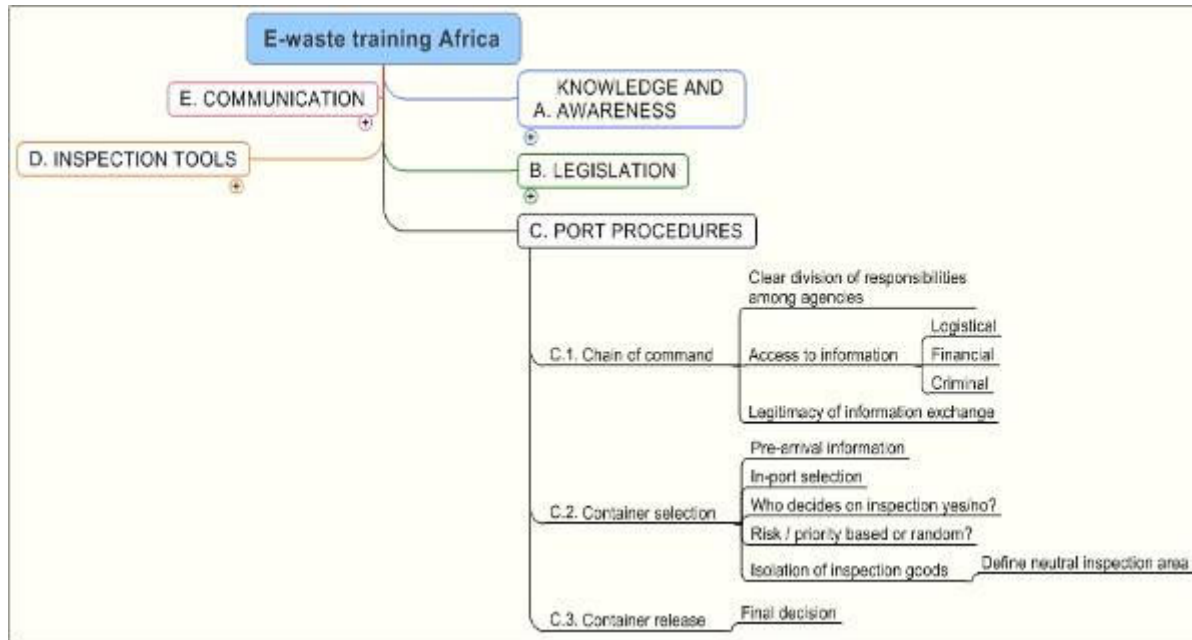


Illustration 2. Parts of the Legislation module

### C. Port procedures

In order to perform inspections of waste shipments at port, it is necessary to be informed about the procedures in the port, information processes, involved actors, responsibilities and safety measures. This module was mainly dealt with during the field trips and exercises in the various ports.



**Illustration 3.** Parts of the Port Procedures module

## D. Inspection Methods and Tools

This module concentrated on the inspection cycle, from preparation, to execution to follow up. Underlined was the importance of inter-agency collaboration, reporting and information exchange, inspection procedures, safety measures and sampling.

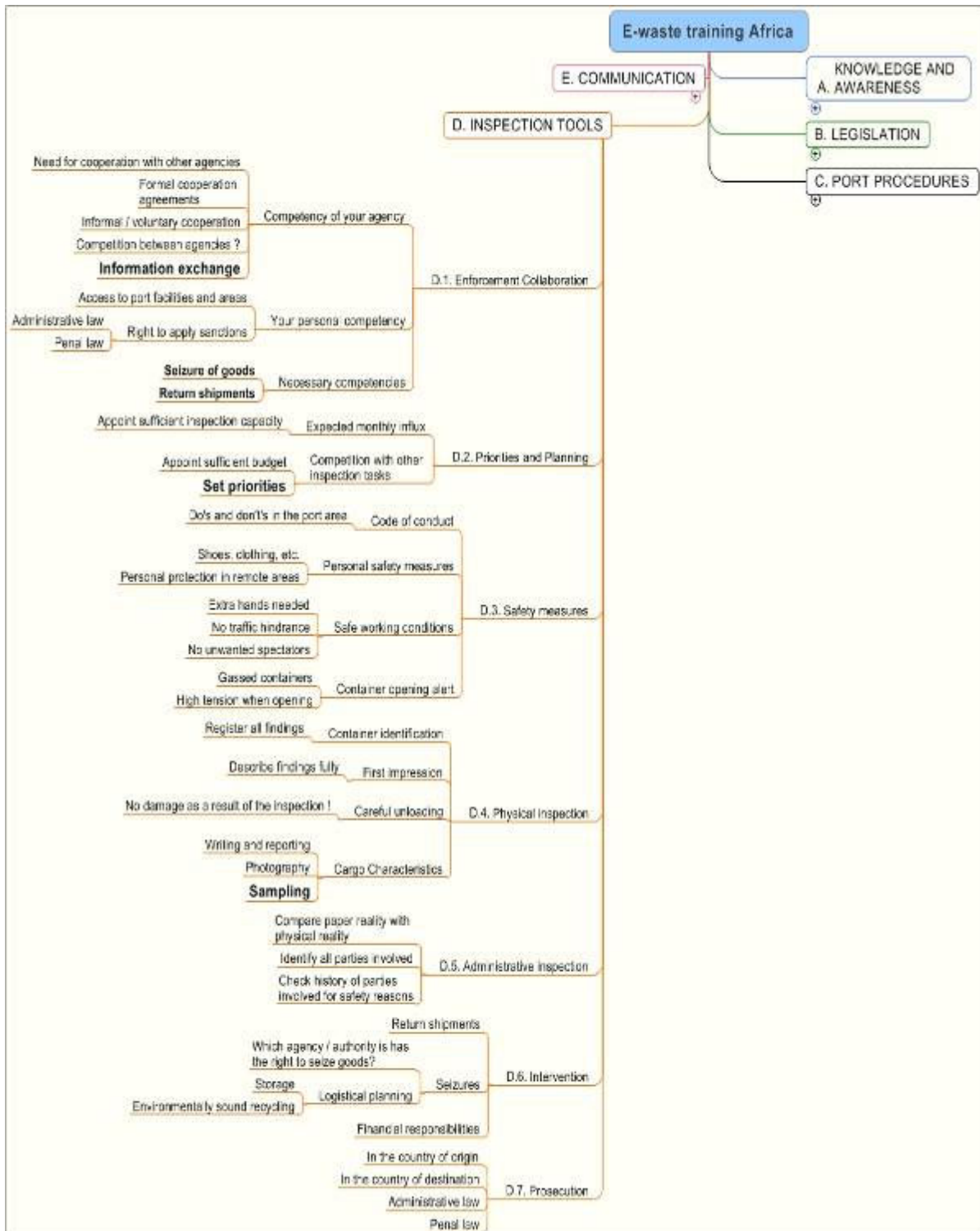
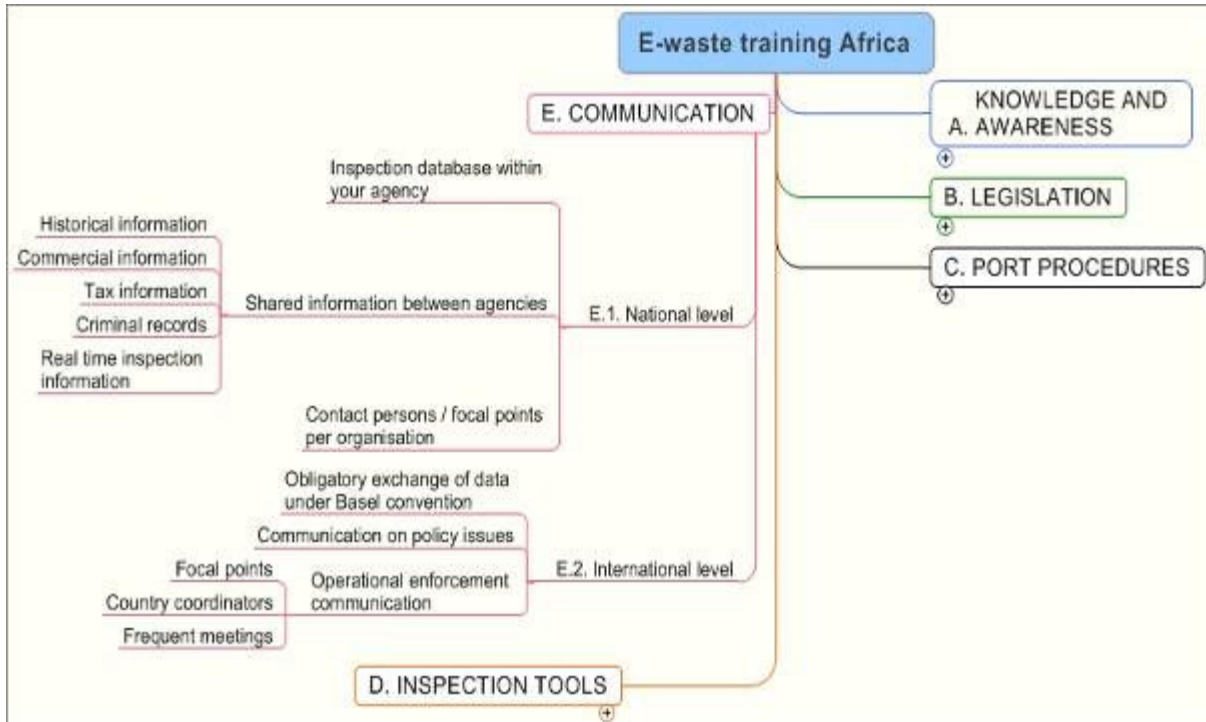


Illustration 4. Parts of the Inspection Tools module



E. Communication and Collaboration

An important part of the inspection cycle is the inter-agency collaboration and communication at national, regional and international level. This module gave options on how to arrange either informal or formal collaboration between competent authorities within a country and examples of regional and international networks.



**Illustration 5. Parts of the Communication module**

F. Train –the-trainer path

In addition to what was agreed at the Ghana workshop, a module on train-the-trainer was included in the programme. As the participants were expected to act as a trainer back in their home country, it was considered important to also present and discuss various trainer skills.



## 2.4 Day-to-day programme

The programme is included in annex III of this report.

### **13 September**

After arrival on Sunday September 12<sup>th</sup>, the programme started on Monday with an informal event. The main aim of this day's programme was for the participants and the IMPEL team to get to know each other. Mr. Gerard Wolters (Chair of the IMPEL Board) officially welcomed everyone to the training event. He stressed that the participants were all VIP's, **Very Important Pioneers**, as this kind of exercise and in-depth collaboration in the field of tackling, preventing and detecting illegal shipments of e-waste at EU-Africa level, was the first in its kind. It was an honour for IMPEL to organise the event and host the African colleagues and he wished everyone a very good and interesting meeting.

Prof. Oladele Osibanjo (Director of the BCCC) also held a speech. He elaborated on his famous phrase: **"you can only clap with two hands"**; implying in this case that in order to tackle the e-waste issue Europe and Africa need to work together. Action by one country or region will not solve the problems and negative effects of illegal trade in e-waste. It has to be a combined effort by both the sending and the receiving countries. This training provides an excellent opportunity to establish the required contacts, create mutual understanding and awareness. He also wished all the participants a good meeting.

### **14 September**

Mr. Albert Klingenberg (VROM, the Netherlands) opened the training event with a speech. He underlined the importance of international enforcement collaboration in our battle against illegal shipments of e-waste and wished everyone a fruitful event and enjoyable stay in Europe.

The first part of this day aimed to inform the participants about the background of the E-waste Africa project by Mr. Oladele Osibanjo (BCCC, Nigeria) and the outcomes of the Ghana workshop by Ms. Marina de Gier (VROM, the Netherlands). The outline of the training programme was introduced by Piet ten Brink (VROM, the Netherlands) and Joseph Domfeh (KLIF, Norway) and Wike Niessen (VROM, the Netherlands) presented the train-the-trainer path and facilitated the introduction round of the participants.

This was followed by a presentation on WEEE policy in Europe, WEEE collection and recycling; targets and trends in Europe by Mr. Jaco Huisman (UNU/StEP Initiative).

Mr. Matthias Schluemp (EMPA, Switzerland) presented the e-waste situation, WEEE recycling perspectives and policy developments in Africa based on several studies EMPA conducted. He started his presentation with the question how e-waste recycling could be made sustainable in Africa. He followed with data on e-waste generation in Africa, how a sustainable recycling system develops and how to move to a more formalized e-waste management framework.

The panel discussion discussed matters such as testing criteria of equipment, the need for African regional legislation on e-waste and UEEE, aging of equipment and the fact that African countries should inform the European Union about their import restrictions.

IMPEL developed a training DVD showing examples of best practices in enforcing transboundary shipments of waste. The DVD was introduced by Ms. Jenny van Houten (VROM, the Netherlands) and the first chapter, Introduction, was played.



A presentation about the e-waste chain and intervention possibilities was given by Mr. Carl Huijbregts (VROM, the Netherlands). He explained the different actors and phases in the e-waste chain in the Netherlands and the drivers and incentives to either comply with the e-waste laws or not.

Ms. Nancy Isarin presented examples of international and regional collaboration enforcement networks such as IMPEL and INECE, and basic principles for cross-border collaboration and inter-agency collaboration.

Mr. Henry Okine (PENAF) introduced the recently established Ports Environmental Network Africa Network (PENAF). This NGO builds a coordinated platform for African ports to cooperate in the area of environmental management and performance through information sharing and exchange of experiences with the aim of improving and harmonising environmental practices.

### **15 September**

Mr. Oladele Osibanjo (BCCC, Nigeria) presented the Basel Convention, such as the historical background, the definition of waste, hazardous waste, globalization of e-waste, etc. He talked about various international actions against e-waste globalization:

- Basel COP8
- Mobile Phone Partnership Initiative (MPPI)
- PACE
- ICCM2 of SAICM
- E-waste Africa project (EU)
- SteP Initiative

He mentioned that Egypt is the only country that enforces punishment for illegal transportation of hazardous waste. In most other countries the laws either do not exist or are not being enforced.

Mr. Osibanjo also shortly presented the Bamako Convention. The Bamako Convention was established in 1991. It's a carbon copy of BC but including radioactive waste. First COP of Bamako Convention still to be held.

Ms. Vicky Rockingham (EA, United Kingdom) gave an overview of the European Legislation in relation to e-waste and transboundary movements of waste; especially waste classification (green, amber, unassigned), the notification procedures and control system. There was a discussion about fees for notifications: UK, CH, Nigeria and Egypt ask a fee for import and export notifications.



Photo 1 Prof. Oladele Osibanjo (BCCC, Nigeria)

Mr. Jan Oomen (Customs, the Netherlands) explained how containers are selected in Netherlands and how national authorities cooperate in enforcing waste shipment laws. He gave some practical examples of risk profiling and cases of illegal shipments of waste.



Photo 2 Mr. Jan Oomen (Dutch Customs)

### **16 September**

Mr. Ton Post (VROM, the Netherlands) presented VROM's experience of successful collaboration with other enforcement agencies (Public Prosecutor, Police and Customs) to prevent illegal shipments of waste. He outlined the approach they adopted from planning, undertaking inspections and follow-up when violations were detected.

Ms. Vicky Rockingham (EA, United Kingdom) discussed the European Correspondents' guidelines on WEEE. She highlighted that testing of each item and sufficient packaging are key to determining whether an item is (U)EEE or WEEE.

Next, the team was taken to Milieuwerk EcoCollege, a waste transfer station that receives WEEE from waste collection points around Amsterdam for a WEEE Recognition Practical. The exercise was led by Mr. Anno Loonstra (VROM, the Netherlands).

The participants were divided into four groups, each with a trainer. The groups were asked to assess items from each of the four categories to determine whether the items were EEE or WEEE. :

- 1) Large WEEE - white goods, freezing and cooling equipment, washing machines;
- 2) Audio and audio visual equipment (TV-sets, turners, amplifiers etc.)
- 3) ICT (Computers, Printer monitors)
- 4) Smaller household items

The exercise demonstrated how difficult it is to make this determination.



Photo 3 Group photo at WEEE collection and sorting facility



Photo 4 Practical exercise: testing equipment



Back at the training facility Mr. Joseph Domfeh (KLIF, Norway) and Mr. Wike Niessen (VROM, the Netherlands) led another Train-the Trainer Session. Wike and Joseph explained how the participants should consider:

- How the WEEE chain concept applies in their own country, and
- The action plan for spreading the knowledge and training they have received during this training.

Participants were asked to present the above outcomes on Thursday 23 September.



Photo 5 Mr. Joseph Domfeh (KLIF, Norway)

### **17 September**

This day a visit to the port of Rotterdam was scheduled. Mr. Piet de Bruin (Customs, the Netherlands) welcomed the participants and explained them the procedures in the Rotterdam port, followed by a presentation by Mr. Louis van der Ploeg (VROM, the Netherlands) on inspection procedures in the port, cooperation and follow up of inspections.

The group was supposed to attend some container inspections, but due to a calamity, the inspection area at the port terminal was closed. Instead the participants were taken on a tour on the container terminal.



### **18 – 19 September**

Saturday was leisure time for the participants. Sunday the group was transferred by bus to the hotel in Antwerp (Belgium).

### **20 September**

Ms. Jeannine Pensaert (FLI, Belgium) introduced the inspection and enforcement structures in Belgium, how involved authorities collaborate in the ports, competences, port procedures in the Antwerp port and data related to e-waste shipments.

Ms. Vera Jansegers (Customs, Belgium) presented the Customs export control procedures and their competences, the WCO Operation Demeter and the challenges that customs officers are facing when controlling waste shipments, such as complicated legislation, lack of customs codes for waste streams and lack of correlation between customs and waste codes.

Mr. Laith Yasseen (Environment Agency, United Kingdom) gave a presentation about how the Environment Agency has worked with shipping lines to prevent illegal waste exports. The first part of his presentation focused on the business of shipping lines, their strengths and weaknesses and the problems shipping lines face.

### **21 September**

Mr. Laith Yasseen (Environment Agency, United Kingdom) continued his presentation of the previous day on collaboration with shipping lines, combined with 'intelligence led' enforcement. Laith pointed out clearly at which points during the shipping process which actions proved most effective, ranging from education to inspection and enforcement.

Mr. Marc de Strooper (FLI, Belgium) gave a presentation on e-waste control in Belgium; a matter of cooperation. Marc discussed several inspection results from the last year. Indicating in which way collaboration through international projects and/or bilateral communication has led to success. One of his advices was to include the SBC Geneva in the communication process. They can assist in finding the right contact persons in the countries concerned.

Participants (and Marc) discussed the pro's and con's of two types of return shipments: one being the 'short' route, returning containers with the same vessel as they arrive on, returning the shipment to the European transit port.



Photo 6 Ms. Jeannine Pensaert and Mr. Marc de Strooper (FLI, Belgium)



This method is the fastest and most feasible for the enforcers in the countries of destination. However it leads to substantial follow up work in the transit ports, to complete the return shipment all the way to its place of origin.

The second being the 'longer' route, taking the containers from the vessel, inspecting them in the port of destination and collecting as much data as possible before starting the return shipment process; aiming to return the shipment directly, all the way to its place of origin. This method puts a clearly heavier burden on the enforcement capacity in the port of destination.

Mr. Kwabena Biritwum (EPA Tema, Ghana) presented the E-waste management, Enforcement challenges in Ghana. On behalf of all Ghana delegates, Kwabena presented the current situation in Ghana. He clearly showed that progress has been made but nevertheless some hurdles need to be taken. Examples are the financial and logistical responsibility for the goods, subject to inspection and the need for domestication of the provisions of the Basel Convention into national law.

Mr. Adel el Shaffei (Ministry of the Environment, Egypt) presented an overview of transit shipments and pointed out Egypt's role in the notification process.

Ms. Nehad Askar (Egyptian Customs Agency, Alexandria-Egypt) gave a clear picture of the organizational and procedural set up of Egyptian Customs, including the system that limits importers of certain goods to one specified port of entrance.

Then the group was transported to the port of Antwerp for an E-waste control in Antwerp; a practical demonstration and exercise. The visit of Antwerp port included three steps:

1. Terminal of RMR shipping company - Just several days earlier, a return shipment of 9 vehicles destined for Nigeria, suspected to contain illegal E-waste had been successfully returned by NESREA to the port of Antwerp. Participants were divided into three groups and equipped with all available shipping documentation. Each group chose one vehicle and completed the so called "G1- Transport Inspection Result Form" as a fact finding exercise.
2. Isolated inspection hall – One 40 feet container was shown, partly unloaded, containing second hand household goods. Participants noted that the heap of unloaded goods, while giving the impression from a distance that it contained mainly waste, appeared to contain many usable second hand items. This demonstrated the challenge that inspectors face with shipments like this.
3. Isolated inspection ground - Two containers were presented. The two had been selected by Belgian customs for further inspection, based on available X-ray images. Participants witnessed (and assisted!) the de-fumigation, the opening with 'concrete-shears' and the first visual inspection of the container.



Photo 7 Practical exercise: opening a container at the port of Antwerp

### **22 September**

In the morning, the participants were transferred by bus from Antwerp to Liege, to the office of the environment police and control department of the Walloon region.

Ms. Sylvie Hilgers (SPW, Belgium) introduced the public service of Walloon and the duties of their inspectors, their means of investigations, administrative measures and penalties in case of infringements.

Next, the participants were taken to Recupel; a WEEE collection and recycling company. Ms. Katrien Verfaillie (Recupel) explained Belgian System for Collection & Recycling of Waste Electrical and Electronic Equipment. She explained that Recupel takes over the take-back obligation of importers and manufacturers of EEE, how they collect the WEEE, the life cycle of household compliances and the recycling process.

After the lunch break, the participants were taken to the site of Recupel to witness with their own eyes how the various e-waste streams were sorted, dismantled and recycled. A lively discussion took place among the participants.



Photo 8 Mrs Ibiene Nengi Iwuoha (NESREA, Nigeria)



Photo 9 Mr. Kwabena Biritwum (EPA, Ghana)

At the end of the afternoon, the group was again transferred back by bus from Liege to the hotel in Rotterdam (the Netherlands).

### **23 September**

Ms. Nancy Isarin (IMPEL) introduced the programme for the final two days of the training and reminded the participants again about the aim of the SBC E-waste project, component 4 and the expected deliverables:

1. Needs assessment with respect to capacity, cooperation, legal powers and knowledge
2. EU Training programme
3. National workshops (3 days)
4. Practical network of focal points involved in the enforcement of e-waste streams
5. Development of toolkit in order to build capacity and support inspections, enforcement and collaboration (manual, training curriculum, material)
6. Communication tool for information exchange

Mr. Wike Niessen (VROM, the Netherlands) led a train-the-trainer session that focused on evaluating a training event and the SMART principle.





Mr. Piet ten Brink (VROM, the Netherlands) introduced the final exercise and elaborated again on the e-waste chain, the intervention moments and the risk assessment tool: the Table of 11.

The discussion that took place afterwards, focussed on how to create acceptance and the need to involve all stakeholders in the e-waste problems and solution (for example by developing public-private partnerships) and how to create support from your own organisation.

The final exercise required 5 subgroups to discuss and report on the following items:

- ♦ Analyze E-waste chain in your own country
- ♦ Preparations national workshops
- ♦ Input for toolkit & training curriculum
- ♦ Ideas for the Communication tool
- ♦ Ideas for the Enforcement network

Ms. Marine de Gier facilitated the last item of the day, which was the evaluation of the EU training programme.

### ***24 September***

The last day of the training the participants presented the results of the final exercise, divided in the groups representing the four countries and one group representing the BCRC's, the BCCC and IMPEL.

After a discussion session the conclusions and follow up actions were presented by Ms. Nancy Isarin (IMPEL) and agreed upon (see also chapter 3).

Mr. Gerard Wolters (Chair of the IMPEL Board) officially closed the training programme by stating that it was a great pleasure for IMPEL and its members to organise the training and host the African colleagues. It had been a mutual beneficial exercise. Lastly Gerard handed out the diplomas to the participants and congratulated them with completing the training event successfully.

The participants were invited to join the farewell lunch.

### ***25 September***

Departure.

## **2.5 Availability of training material**

A list of reference and training material is included in annex IV. The power points presentations have been distributed at the end of the training on an USB stick. They will also be uploaded on the communication tool that will be developed within the framework of the project.



## CONCLUSIONS AND FOLLOW UP ACTIONS

At the closing session of the meeting, the following was concluded:

1. Overall the training event was very well organised, set up thoughtfully and appreciated by all the participants.
2. The variety of trainers was a pro as well as the balance between theory and practical exercises and field trips.
3. To have more than one country participating in the training and a mixture of authorities was considered a positive point.
4. The involvement and engagement of the participants contributed highly to the success of the training.
5. Although the training met most of the expectations, some participants indicated it did not meet all. One would have liked to see more in detail the phases of ESM of waste and more in detail the customs procedures. Due to the variety of authorities participating in the training and the different levels of experience in inspecting and enforcing e-waste shipments, it was a challenge to find the right balance of topics and the depth of the training material.
6. It was recognized that just enforcement is not enough to solve the e-waste problems, but that it is part of a bigger strategy.
7. Two major challenges have been defined:
  - ♦ How to continue this level of collaboration and communication between the countries, IMPEL, SBC, BCCC and the BCRC's?
  - ♦ How to move forward back at home, especially concerning the legal framework?

The following follow up actions have been agreed:

1. IMPEL will develop online questionnaire for a further evaluation of the training and send this to all the participants.
2. The participants will appoint Contact Points for the EU-Africa enforcement network from each of the involved authority and send the names to the BCCC and IMPEL.
3. The participants will identify the national organization that will take the lead in organizing the national training workshop.
4. IMPEL will draft report of the training event.
5. The participants were requested to provide contact details of their managers to whom IMPEL and BCCC can address the letter for request of support.
6. IMPEL will draft proposal for the planning of the national training workshops in 2011.
7. The BCCC and IMPEL will develop programme format for the national training workshops.
8. IMPEL will identify coaches for the participating countries.
9. IMPEL together with the BCCC, SBC and the BCRC's will develop on-line communication tool.



## **ANNEXES**

- I. Participants list
- II. Results of the Participants Introduction Sheets
- III. Programme
- IV. Reference and training material



**ANNEX I: PARTICIPANTS LIST**



Country	Name	Organisation	Email address	2nd Email	Phone number
	<b>Participants</b>				
Benin	Mr. Alao Yekini AKALA	Direction Générale de l'Environnement	<a href="mailto:aakalao@yahoo.fr">aakalao@yahoo.fr</a>		+229-97223574
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Egypt	Mr. Abdel Hakim Ahmed	Egypt Customs	<a href="mailto:hakimx1@gmail.com">hakimx1@gmail.com</a>	<a href="mailto:snttoxico@yahoo.com">snttoxico@yahoo.com</a>	
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Switzerland	Ms. Simonne Rufener	FOEN	<a href="mailto:simonne.rufener@bafu.admin.ch">simonne.rufener@bafu.admin.ch</a>		
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	Mr. Jaco Huisman	United Nations University	<a href="mailto:huisman@unu.edu">huisman@unu.edu</a>		
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Netherlands	Mr. Ton Post	VROM Inspectorate	<a href="mailto:Ton.post@minvrom.nl">Ton.post@minvrom.nl</a>		
Belgium	Ms. Vera Jansegers	Customs			
Belgium	Ms. Katrien Verfaillie	Recupel			



**ANNEX II: RESULTS PARTICIPANTS INTRODUCTION SHEETS**



## ***Participants Introduction Sheet***

To create a better understanding of the background, experiences and expectations, the participants were invited to complete the so-called 'participants introduction sheet'. This annex contains a summary of the responses given by the participants.

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### **1 What is your specific field of responsibility?**

The participants work at various organizations and authorities, such as the Environmental Protection Agency, Customs, Port Authority and Environmental Police.

Their areas of responsibilities cover:

- Environmental Law
  - International Customs Laws and Regulations, e.g. inspecting imported goods, classification of items, clearance of goods and testing imported goods for the presence of chemicals/heavy metals.
  - Hazardous Waste Management
  - Translating international agreements
  - Trainer
  - Managing the port estate
  - Dealing with environmental issues in the port, such as accidents and incidents
  - Assisting the environmental programmes of the Ports Environmental Network Africa
  - Monitoring and enforcement of environmental laws and regulations
  - Director of a Basel Convention Regional Centre
  - Establishing regulations and enforcement procedures in compliance with the Basel Convention
- 

### **2 In what way is your current (or previous) position related to the field of WEEE policy making , WEEE management or WEEE enforcement?**

- Implementation of environmental law, including WEEE enforcement
  - Customs inspections
  - Capacity building and awareness raising of the risks and management of WEEE
  - WEEE import procedures and laws
  - Assessing and transferring best practices and experiences in combating illegal shipments of WEEE
  - Preparing, developing policy guidelines and regulations on WEEE management, WEEE shipments and its disposal
  - Monitoring compliance of policy guidelines on WEEE and reviewing WEEE regulations
  - Controlling WEEE in the ports
  - WEEE data building
  - WEEE management – inventory of importers of EEE (both used and new EEE)
  - Basel Convention Focal Point
- 

### **3 Please describe cases of international trade of (W)EEE that you or your organization have been involved in, using the 'SBC reporting form for illegal traffic' [attached]**

-

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4 Do you have experience in presenting or teaching? Please describe.

The teaching or presenting experience varied from participant to participant:

- Experience in giving workshops and training
  - Notions of pedagogy
  - Lecturer at the University
  - Tutor at senior high school
  - Lecturer/teacher at national or organization institute
  - Some persons have few or no experiences in teaching
  - Frequent presentations at environmental awareness raising events
  - Participated in a train-the-trainer course
- 

5 What do you want to learn during the train the trainer programme? What are your personal training targets?

- Build capacity for effective port inspections
  - Gain more knowledge about WEEE
  - Develop training skills (how to prepare teaching material and subjects, identify tools and how to manage the time)
  - Learn about proper identification of e-waste testing methods
  - Learn about environmentally sound recycling of WEEE, recovery techniques and disposal (and be able to transfer this knowledge to colleagues)
  - Learn about the e-waste threat, how it affects human health and the environment and understand the hazardous components of WEEE
  - Gain knowledge about container assessment techniques and enforcement and intervention strategies in EU ports
  - Learn about the impact of legislation on the management of the trade in (W)EEE
  - Gain practical experience
  - How to get WEEE importers and exporters to comply with relevant regulations (such as type of penalties)
  - Learn more about the national reporting obligations under the Basel Convention and notification and movement forms
  - Learn about the socioeconomic impacts of WEEE
- 

6 In what way do you expect to put your trainers work forward? Who will be your trainees, either within or outside your agency?

- Training (new) colleagues at the Environmental department
  - Giving training courses to Customs colleagues at the Customs agency (training institute)
  - Implementing regional workshops and projects
  - Develop and / or provide input for a national training programme
  - Propose a slot in the training programme for e-waste for port authority staff
  - Organise training, written and practical exercises
  - Raise awareness and train staff operational in ports
  - Create awareness and sensitize the traders, importers, scavengers, NGO's, students and general public concerning the e-waste problems
  - Train stakeholders in WEEE management
-



7 Please indicate the steps that IMPEL / SBC could take to support you and your agency to integrate the IMPEL training curriculum into the training programme of your agency?

- Provide funding for the training programmes
  - Provide expertise and resource persons
  - Help prepare training courses
  - Develop a MoU for cooperation and assistance in regional projects
  - Share best practices and illustrating cases
  - Share and develop tools and training material
  - Provide testing equipment
  - Provide information on new techniques for the regulation of the international trade in (W)EEE
  - Support the development of a management plan for ESM on WEEE
-



**ANNEX III: PROGRAMME**



## **E-wastes to Africa Project**

### **WEEE-inspection and enforcement training**

*The Netherlands and Belgium*  
*September 13 – 24, 2010*

#### **Programme**

**Modules:**

**A: Knowledge and awareness**

**B: Legislation**

**C: Port procedures**

**D: Communication and Collaboration**

**E: Inspection Methods**

**F: Trainer –the-trainer path**

**Facilitators: Mr. Joseph Domfeh and Prof. Oladele Osibanjo**

Day / Place	Time	Module	Host	Description activity
0 Sunday 12 September	Any		BCCC / IMPEL	Arrival Schiphol airport Check in hotel Haarlem
1 Monday 13 September Haarlem			---	Leisure time, settling in
Haarlem / Amsterdam	13.00		IMPEL team	Start excursion
Haarlem / Amsterdam	18.00		IMPEL team	Welcome dinner offered by VROM Inspectorate, Word of Welcome by Mr. Gerard Wolters
2 Tuesday September 14 Haarlem Office	09.00		Albert Klingenberg (VI, Netherlands),	Opening of the training programme
	09.15		Mr. Oladele Osibanjo (BCCC, Nigeria)	Outline of the SBC E-waste Africa project
	09.30	F	Mrs. Marina de Gier (VI, Netherlands)	Outcomes of Accra seminar, Nov. '09
	09.45	F	Piet ten Brink (VI, Netherlands)	Outline of the training programme
	10.00	F	Joseph Domfeh (KLIF, Norway) / Wike Niessen (VI, Netherlands)	Introduction of the train-the-trainer path and introduction of the participants
	10.45			BREAK
	11.15	A	Mr. Jaco Huisman (UNU, StEP initiative, Netherlands)	WEEE policy in Europe, WEEE collection and recycling; targets and trends in Europe
		A	Matthias Schlupep (EMPA / StEP initiative, Switzerland)	E-waste situation and policy developments in Africa / WEEE recycling perspectives in Africa
	12.30			LUNCH
	13.30	A + E	Mrs. Jenny van Houten (VI, Netherlands)	Introduction IMPEL Training DVD
	14.00	A	Expert panel : Prof. Oladele Osibanjo, chair, Jenny van Houten (VI), Matthias Schlupep (EMPA / StEP initiative) , Jaco Huisman (UNU / StEP initiative)	Discussion on WEEE management; challenges in Africa (Experiences, conditions, perspectives)
	15.00			BREAK
	15.30	D	Carl Huijbregts (VI, Netherlands)	WEEE, an intervention strategy; the Chain approach
	16.15	D	Nancy Isarin (IMPEL-TFS Secretariat)	(WEEE-) enforcement collaboration and communication
	16.45	D	Penaf	International Ports collaboration
	17.00			Closure
3 Wednesday September 15	9.00	B	Prof Oladele Osibanjo, Director BCCC (Nigeria)	International Legislation (Basel Convention)
	10.30			BREAK



	Haarlem Office	11.00	B	BCCC / BCRC representative	Regional Legislation (Bamako Convention)
		11.30	B	Vicky Rockingham (EA, United Kingdom)	European Legislation (Waste Shipment Regulation, Notification, Repatriation)
		12.30			LUNCH
		13.30	D+E	Jan Oomen (Customs, Netherlands)	Enforcement by Customs (cooperation)
		15.00			BREAK
		15.30	D+E	Jan Oomen (Customs, Netherlands)	Enforcement by Customs (container selection, examples)
		17.00			Closure
	<b>Day / Place</b>	<b>Time</b>	<b>Host</b>	<b>Description activity</b>	
4	Thursday September 16 Haarlem office	9.00	D + E	Ton Post (VI, Netherlands )	WEEE enforcement in the Amsterdam region, intervention strategy
		10.00	E	Vicky Rockingham (EA, United Kingdom)	WEEE Directive and WEEE correspondence guidelines.
		10.30			Depart to Recycling company
	11.15	A	Recycling company	Welcome, short tour and introduction	
	Amsterdam Area	12.00			LUNCH
		13.00	B + E	Anno Loonstra (VI, Netherlands)	WEEE-recognition practice (E-waste inventory / functionality testing )
		14.30	B + E	IMPEL team	WEEE-recognition discussion
	15.45			Return to Haarlem Office	
	Haarlem office	16.30	F	Joseph Domfeh (KLIF, Norway) / Wike Niessen (VI, Netherlands)	Train-the-trainer session
		18.00		---	Closure
	<b>Day / Place</b>	<b>Time</b>	<b>Host</b>	<b>Description activity</b>	
5	Friday September 17 Rotterdam Port (Maasvlakte)	8.30	-	IMPEL team	Departure from hotel, by bus.
		10.00	C + E	Piet de Bruin (Dutch Customs, Rotterdam)	Welcome and introduction; Port procedures in Rotterdam
		10.30	E	Louis van der Ploeg (VI, Netherlands)	Inspection procedures, cooperation in the port, cases, inspection follow up.
		12.00			LUNCH
		13.00	E	Dutch Customs, Rotterdam	Demonstration of inspection procedure, safety measures, fumigation,
		13.30	E	Dutch Customs and VROM Inspectorate / subgroups	Demonstration of container inspections.
		14.30	C	Louis van der Ploeg (VI, Netherlands)	Tour on ECT Container Terminal
		15.30			BREAK
		16.00	E	IMPEL team	Questions and Discussion on today's experiences
		17.00			Leave Rotterdam port by bus
	<b>Day / Place</b>	<b>Time</b>	<b>Host</b>	<b>Description activity</b>	
-	Saturday September 18 Haarlem / Amsterdam	All day	---	Leisure time Haarlem / Amsterdam	
	<b>Day / Place</b>	<b>Time</b>	<b>Host</b>	<b>Description activity</b>	
-	Sunday September 19 Haarlem	11.00		BCCC / IMPEL	Travel to Antwerp by touringcar (1,5 hrs)
		13.00		---	Leisure time Antwerp

Day / Place	Time		Host	Description activity
Antwerp	18.00		IMPEL team	Antwerp dinner
<b>6</b>	<b>Monday</b> <b>September 20</b>			
	9.00	C+D+E	Mrs. Jeannine Pensaert (FLI, Belgium)	Environmental inspection structure in Belgium, Port procedures in Antwerp, collaboration in port controls.
	10.00	D	Mrs. Vera Jansegers (Belgium Customs)	Collaboration in port controls, from the Customs point of view
Antwerp conference room	10.30			BREAK
	11.00	C+D+E	Laith Yasseen (EA, United Kingdom)	Collaboration with Shipping Lines
	11.45		Joseph Domfeh (KLIF, Norway) / Wike Niessen (VI, Netherlands)	Train-the trainer session
Antwerp Port	12.30		FLI -team (Belgium)	Lunch on boat trip in Antwerp port
	14.30	E+C	Mark de Strooper (FLI-team, Belgium)	Demonstration port facilities and inspection methods
	17.30		---	Return to Antwerp city and Closure
<b>7</b>	<b>Tuesday</b> <b>September 21</b> <b>Antwerp</b>			
	9.00	C+D+E	Laith Yasseen (EA, United Kingdom)	Intelligence led enforcement
Conf. room	9.45		IMPEL -team	IMPEL inspection training DVD
	10.30			BREAK
	11.00	A	Country presentation	E-waste management / Enforcement in Africa
	11.30	D+E	FLI-team (Belgium)	Introduction / explanation port simulation exercise
	12.30			LUNCH
Antwerp Port	13.30	D+E	FLI-team (Belgium) and participants	Port Exercise
	15.00			BREAK
	15.30	D+E	Participants	Results Port Exercise
	17.00			Closure
<b>8</b>	<b>Wednesday</b> <b>September 22</b> <b>Liege, Belgium</b>			
	9.00		IMPEL team	Transfer to Liege by touringcar (1,5 hrs)
	10.30	B +D +E	Sylvie Hilgers (SPW / Belgium)	Introduction to the enforcement structure in Wallonia, Belgium
	11.00	A	Katrien Verfaillie (Recupel, Belgium)	Introduction to Belgian system of WEEE collection and recycling
	12.30		SPW / IMPEL team	LUNCH
Wandre, Belgium	14.30	A	Recydel	Visit Recydel; Recycling plant of WEEE.
Rotterdam, the Netherlands	16.30		BCCC / IMPEL	Travel to Netherlands by touringcar (2,5 hrs)
	19.00		---	Arrival, check in, dinner time
<b>9</b>	<b>Thursday</b> <b>September 23</b> <b>Rotterdam office</b>			
	9.00		Joseph Domfeh (KLIF, Norway) / Wike Niessen (VI, Netherlands)	Train-the trainer session
	10.30			BREAK
	11.00		IMPEL team	Introduction and preparation final exercise



		12.30			LUNCH
		13.30		Participants + IMPEL team	Elaboration final exercise
		open			Closure
	<b>Day / Place</b>	<b>Time</b>		<b>Host</b>	<b>Description activity</b>
10	Friday September 24 Rotterdam office	9.00		IMPEL team / participants	Presentation results final exercise
		10.30			BREAK
		11.00		IMPEL team	Next steps: inspection manual, training curriculum for 5 African workshops, communication tool, network in Africa, etc
		13.00		IMPEL team	Farewell lunch
		15.00		---	Leisure time
	<b>Day / Place</b>	<b>Time</b>	<b>Module</b>	<b>Host</b>	<b>Description activity</b>
	Saturday 25 September	Any		BCCC / IMPEL	Departure from Schiphol airport



**ANNEX IV: LIST OF REFERENCE MATERIAL**



- **INTERNATIONAL LEGISLATION**

Basel Convention:

<http://www.basel.int/>

- **REGIONAL LEGISLATION**

Bamako Convention:

<http://www.africa-union.org/root/au/Documents/Treaties/Text/hazardouswastes.pdf>

European Waste Shipment Regulations:

*(English version)*

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:190:0001:0098:EN:PDF>

*(French version)*

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:190:0001:0098:FR:PDF>

Export of non-hazardous waste from the European Union to non-OECD countries:

[http://ec.europa.eu/trade/wider-agenda/environment/shipment-of-non-hazardous-waste/index\\_en.htm](http://ec.europa.eu/trade/wider-agenda/environment/shipment-of-non-hazardous-waste/index_en.htm)

- **TOOLS**

Basel Convention Training Manual for Customs and Enforcement Agencies:

<http://www.basel.int/legalmatters/illegtraffice/trman-e.pdf>

IMPEL TFS Manual on the Return of Illegal Shipments

<http://impel.eu/wp-content/uploads/2010/02/2007-3-Manual-Return-of-illegal-waste-shipments.pdf>

- **GUIDELINES & BROCHURES**

Correspondents' guideline: shipments of WEEE

*(English version)*

[http://ec.europa.eu/environment/waste/shipments/pdf/correspondents\\_guidelines\\_en.pdf](http://ec.europa.eu/environment/waste/shipments/pdf/correspondents_guidelines_en.pdf)

*(French version)*

[http://ec.europa.eu/environment/waste/shipments/pdf/cg1\\_fr.pdf](http://ec.europa.eu/environment/waste/shipments/pdf/cg1_fr.pdf)

Norwegian brochure: <http://www.klif.no/publikasjoner/2516/ta2516.pdf>

Dutch brochure: <http://www.vrom.nl/Docs/publicaties/w1246.pdf>

- **OUTCOMES KICK-OFF WORKSHOP ACCRA NOVEMBER 2009**

<http://impeltfs.eu/blog/impel-tfs-workshop-in-ghana-%E2%80%98clamping-down-on-illegal-waste-shipments-to-africa-%E2%80%98>

<http://impeltfs.eu/projects/eu-africa-collaboration>