This activity has received funding from the European Institute of Innovation and Technology (EIT), a body of the European Union, under the Horizon 2020, the EU Framework Programme for Research and Innovation

The WEEE Jungle Lesson
EXERCISE SESSION

R1

Plant output (kg)

Components	Total (kg)
Aluminum	1,148,166
Other metals	97,927
CFC/HC	225,557
Capacitors	8,267
Wood	143,522
Ferrous metals	22,373,682
Oils	132,351
Plastics	5,484,440
Polyurethane	5,121,150
Copper	856,712
Non-hazardous wastes	1,113,831
Hazardous wastes	11,833
Glass	437,920
Total	37,155,358

Cooling and freezing R1

Aluminum Smelter S.A.

Dear Company,

Hereby it is stated that 100% of the aluminum we received from you was processed for the production of aluminum bars.

Best Regards

/CEO

Aluminum Smelter S.A.

Cooling and freezing R1

Metallurgy S.A.

Dear Company,

Hereby it is stated that 100% of the other metals we received from you was processed for the production of brass and bronze bars.

Best Regards

/CEO

Metallurgy S.A.

Cooling and freezing R1

Wild Burner S.A.

Dear Company,

We hereby declare that 100% of 77 kg of the received CFC gas has been burnt in our incinerator and that our incinerator utilizes the heat generated by the combustion to heat the city of Athens.

Best Regards

/CEO

Fabian Burn

Incinderella S.A.

Dear Company,

Hereby we declare that we received 225,480 kg of CFC/HC gases from your plant.

Of which:

- 660 kg were pentane (HC), fully recovered, giving them to a company that produces cigarettes lighter;
- 224,820 kg have been sent for energy recovery to the incinerator of Berlin, that did not recover the generated energy.

Best Regards

/CEO

Incinderella S.A.

Cooling and freezing R1

Condensers and Batteries S.A.

Dear Company,

Following our phone calls, we hereby declare that we received 8,267 kg of condenser.

Of which:

- 679 kg have been sent to energy recovery in an incinerator for hazardous wastes;
- 7,588 kg have been sent to landfill disposal.

Best Regards

/CEO

Condensers and Batteries S.A.

Cooling and freezing R1

EcoWood S.A.

Dear Company,

We hereby declare that 100% of the wood we received from you was processed for the production of plywood panels.

Best Regards

/CEO

EcoWood S.A.

Cooling and freezing R1

Viscolube S.A.

Dear Company,

We hereby declare that 100% of the oil received from you has been processed in our plant.

1,311 kg have been disposed in landfill.

131,040 kg have been recovered, in particular the oil has been regenerated and put back on the market.

Best Regards

/CEO

Viscolube S.A.

Cooling and freezing R1

Plastics Disposal Gmbh

Dear Company,

We hereby declare that we received 8,765 kg of plastic fractions.

We sent them to our landfill located near Munich.

Best regards for your exercise and for the whole project.

Laura Wolfang Rattinger

/CEO

Plastics Disposal Gmbh

Cooling and freezing R1

PlasticsRE S.A.

Dear Company,

Hereby we declare that we received 5,475,405 kg of plastics.

The whole plastics have been processed in our plant.

5,425,860 kg have been recovered producing new plastics that will be utilize for garden chairs.

49,545 kg have been burnt in an incinerator that produces energy recovery.

Best Regards

/CEO

PlasticsRE S.A.

Cooling and freezing R1

Incinerating S.A.

Dear Company,

Hereby we declare that we sent 270 kg of plastics to incineration.

Best Regards

/CEO

Incinerating S.A.

Cooling and freezing R1

Polyurethane and Plastics S.A.

Dear Company,

We hereby declare that we received 799,004 kg of polyurethane.

This polyurethane has been processed in our plant, producing 682,621 kg of scrap.

The remaining material has been recovered producing an absorbing system for oils that has been put on the market and sold to car repair shops.

Best Regards

/CEO

Polyurethane and Plastics S.A.

Cooling and freezing R1

Poli & Poli S.A.

Dear Company,

Hereby we declare that we received 4,322,146 kg of polyurethane.

We processed 4,239,114 kg in our burner, and with the generated heat, we warm up a water tank that produces vapor. The vapor activates a turbine connected with a generator that produces electric power punt on the electric national grid.

The remaining material has been incinerated in an incinerator that does not recover energy.

Best Regards

/CEO

Poli & Poli S.A.

Cooling and freezing R1

Metals Trader

Dear Company,

Hereby we declare that we received 856,712 kg of copper and 437,920 kg of glass.

The copper has been sent to a copper smelter that manufactures copper bars.

100 % of the glass has been sent to a glass recycling plant that produces new glass panels.

Best Regards

/CEO

Metals Trader

Cooling and freezing R1

Hellenic Provincial Landfill

Dear Company,

1,104,168 kg of non-hazardous wastes have been received and buried in our authorized landfill.

11,833 kg of hazardous wastes have been buried in our authorized landfill for hazardous wastes.

Best Regards

/CEO

Hellenic Provincial Landfill

Cooling and freezing R1

Incinerator S.A.

Dear Company,

9,663 kg of non-hazardous wastes have been incinerated in our plant.

Best Regards

/CEO

Incinerator S.A.

Cooling and freezing R1

Steel Mills S.A.

Dear Company,

22,373,682 kg of iron have been smelted together with other metal scrap to produce special cast iron for the automotive sector.

Best Regards

/CEO

Steel Mills S.A.