



**STRONGER TRAINING AND INCREASED KNOWLEDGE FOR  
BETTER ENFORCEMENT AGAINST WASTE & MERCURY**

# Used Electronics Export - Ireland



The STRIKE Project is funded by the European Union Internal Security Fund - Police (ISFP-2018-AG-OC-ENV-869173)

Online Training, Hosted by  
BRC Slovakia 24.11.2021

## PLAN

- Part 1: Motivation
- **Part 2: Process**
- Part 3: Results
- Part 4: Conclusions





## MOTIVATIONS

- Environment
  - Pollution
- Communities
  - E-waste cons
  - Used EEE pros
- Legislative requirements





## MOTIVATIONS

- Ireland reported as a high exporter of used EEE and WEEE
- Need to understand material flows



Location of Port of Export	RoRo-vehicles (t)	Containers w/o vehicles (t)	Containers w. vehicles (t)	Total annual exports to Nigeria (t)	Share in annual imports into Nigeria	Ranking
Germany	11,670	300	50	12,020	20.03%	1
UK	10,130	720	860	11,710	19.52%	2
Belgium	5,240	260	160	5,660	9.43%	3
Netherlands	4,860	70		4,930	8.22%	4
Spain	2,170	450	1,790	4,410	7.35%	5
China		3,870	530	4,400	7.33%	6
USA	800	550	3,080	4,400	7.33%	6
Ireland	3,660	30		3,690	6.15%	7
Italy	460	210	290	960	1.60%	8
Poland	900			900	1.50%	9
Finland	870			870	1.45%	10



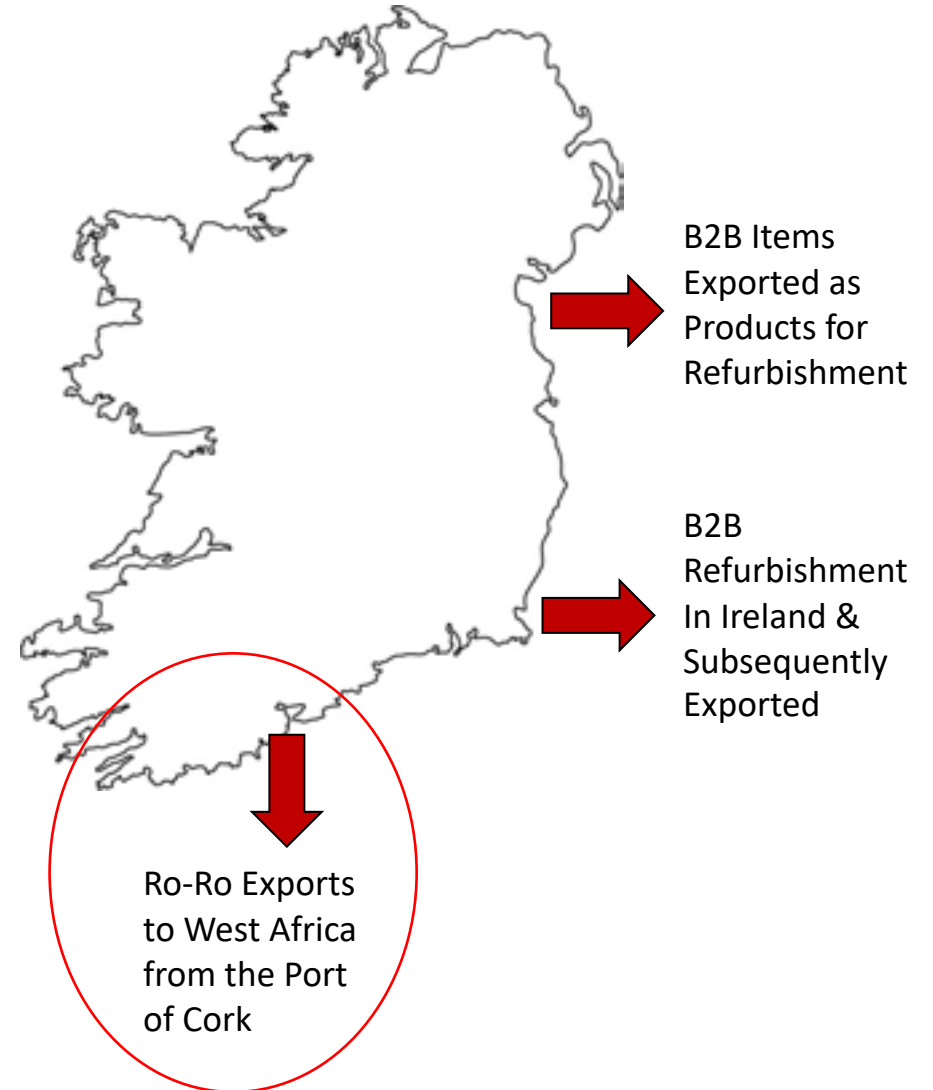
## CONTEXT

- Roll-on-roll-off: a cargo shipment where whole vehicles and their contents are driven on and off the cargo vessel



## STUDY SITE

- Roll-on-roll off shipments
- Ringaskiddy, Cork





## STUDY SITE

- Export yard
- Inspections
  - Vehicle Access
  - Requirements
  - Documentation







# UEEE EXPORT



## DOCUMENTS

- Packing lists
  - Item
  - Quantity
  - Estimated value

**Appendix D  
Packing List**

Liabe person/Sender (Name & Address):		Sender's Agent/Freight Forwarder (Name & Address):	
Phone No:	Fax:	Phone No:	Fax:
Email:		Email:	

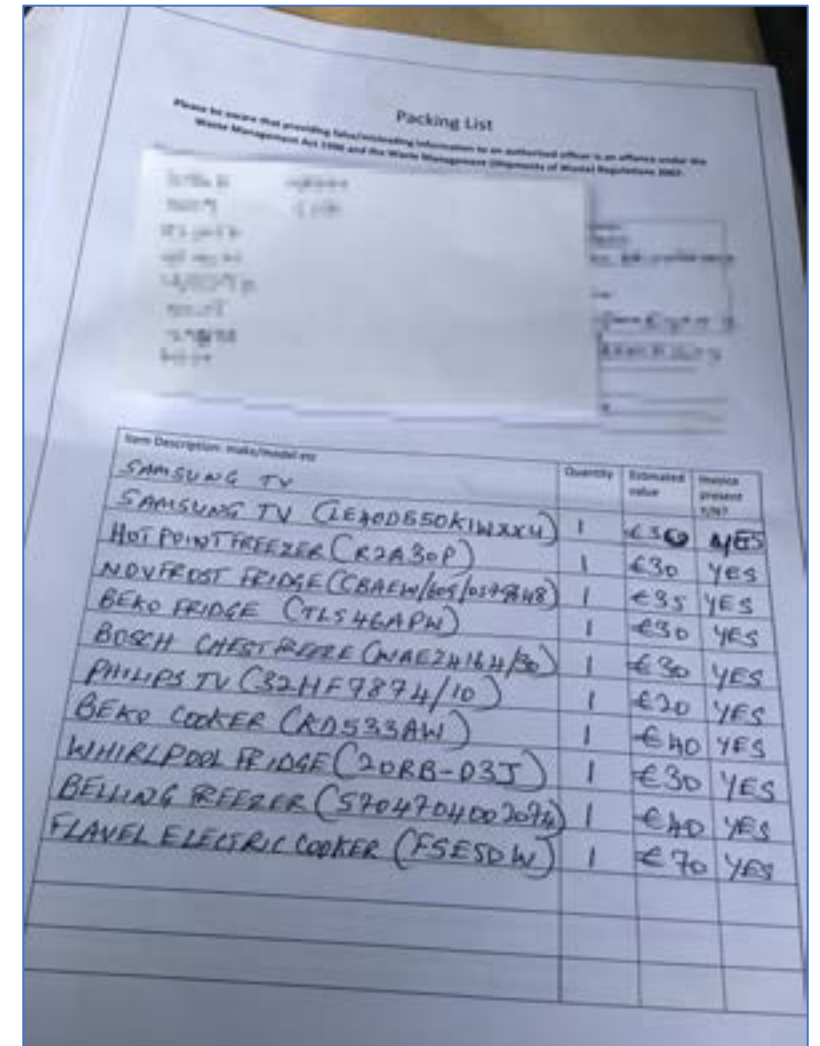
Consignee (Name, address, contact details): \_\_\_\_\_

Name and address of loading location: \_\_\_\_\_

Additional Notes:

Item Description: make/model etc	Serial Number	Qty	Estimated value	Invoice present Y/N?

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## SAMPLING

- >90% of vehicles destined for Lagos





## WHAT WASN'T SAMPLED

- What wasn't shipped!
  - Damaged or likely to become damaged
  - Otherwise non-compliant





## RESULTS

Sampling data by type of vehicle and weight of UEEE per vehicle.			
Type of Vehicle	Cars/Vans	Trucks	Total
Vehicles Sampled	177	102	279
Vehicles Containing EEE	47	5	52

- UNU Keys were used to turn units into weights.

Weight of EEE Sampled (kg)	4834	707	5542
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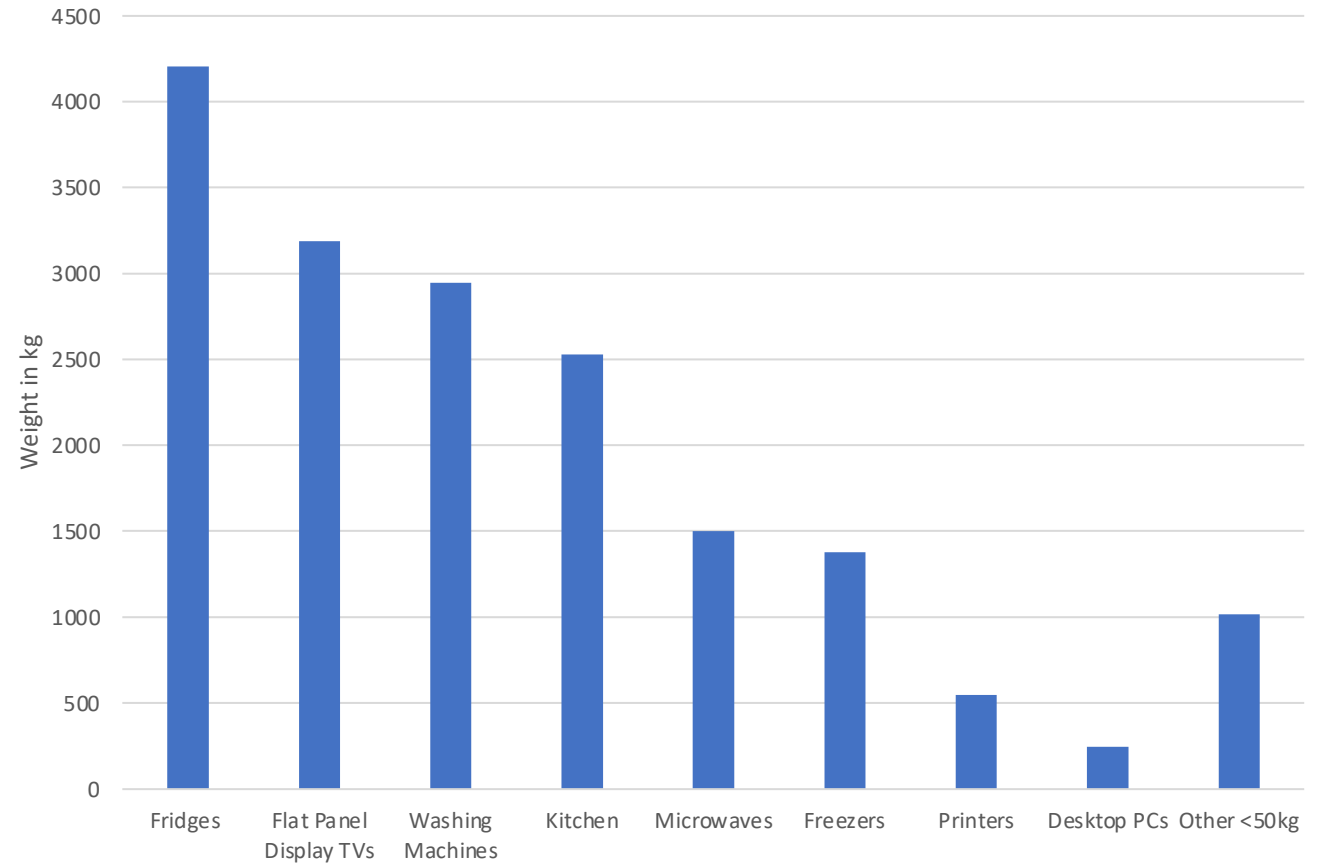


# UEEE EXPORT



## RESULTS

- Breakdown of equipment by type





## VALUE – DRIVING FORCE FOR EXPORT

- Value estimates based on online sales of similar items in Nigeria





# UEEE EXPORT



## RESULTS

- Total annual estimate
- **€147,225**

Table 4.4. Price range of select used electronics based on perceived demand in Nigeria.

Note: 402 NGN = 1 Euro

UEEE Type	Average value as declared on shipment (€)	Average value as declared on shipment (₦)	Used Market Price Nigeria (€)	Used Market Price Nigeria (₦)
Television	112 - 131	45,000 - 52,915	242 - 372	97,500 - 150,000
Washing Machine	124 - 326	50,000 - 131,271	199 - 273	80,000 - 110,000
Fridge	50 - 76	20,000 - 30,605	118 - 186	47,500 - 75,000
Freezer	87 - 184	35,000 - 74,178	100 - 112	40,000 - 45,000
Cooker	112 - 165	45,000 - 66,442	131 - 149	52,500 - 60,000



## CONSIDERATIONS FOR FUTURE STUDY

- Electrical declarations
- Other means of export (e.g., through Northern Ireland)
- Continued estimates – monitoring for changes
- Adaptation for waste quantification with visual inspections