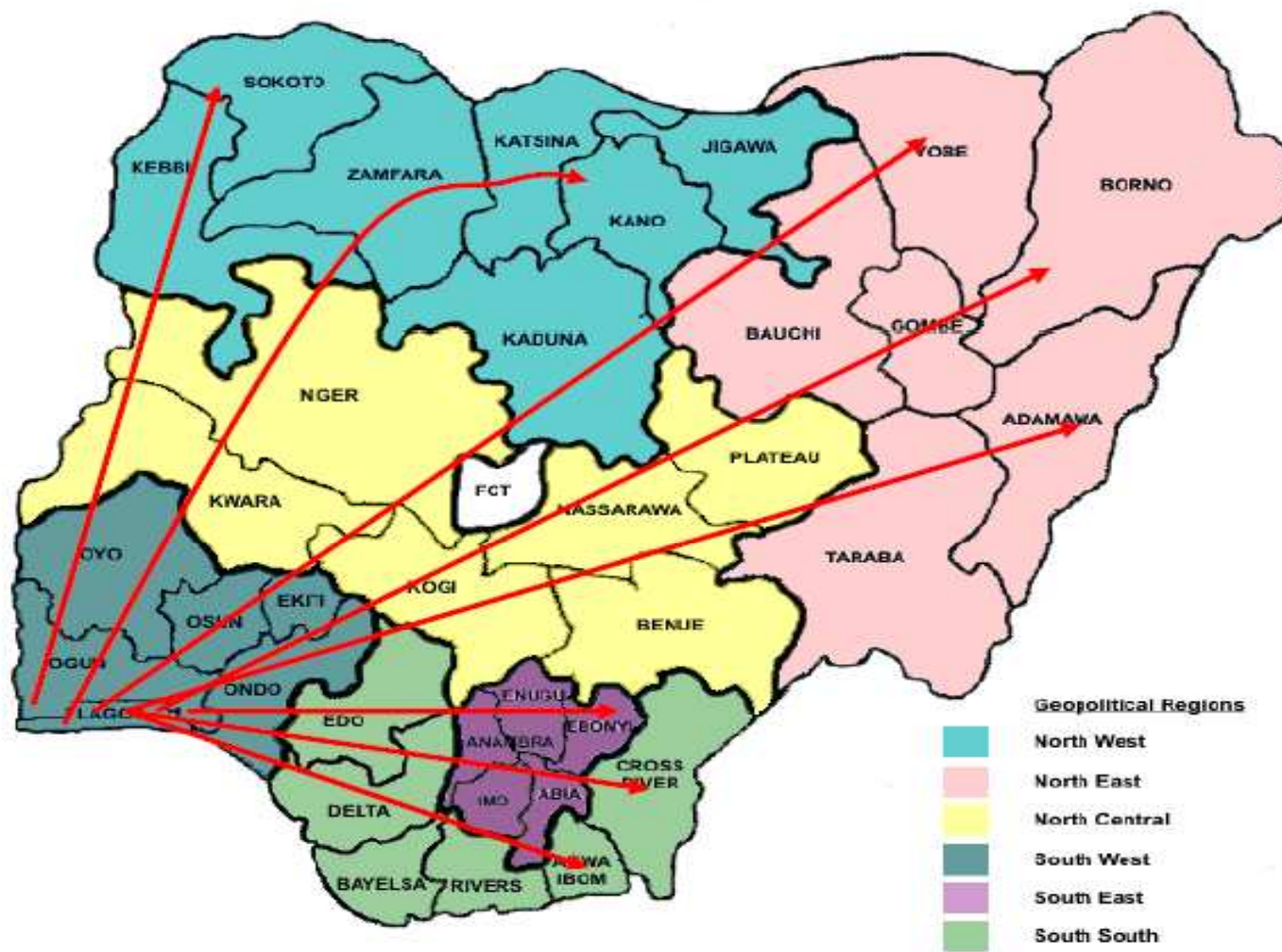


Presentation at the WEEE/E- waste
Management Workshop, 13-15 July
2011, Osaka, Japan

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Background Country Information

- Located on the west coast of Africa, bordered by the Republic of Benin to the west, Niger to the north, Cameroon to the east, and the Atlantic Ocean to the south
- Nigeria has a population of 140,003,542 million based on 2006 census and pop. growth rate of 2.38% with 62.3% of the pop. living in the rural area.



Systematic representation of movement of imported new and used EEE from Lagos to other cities in Nigeria

Sources of country used EEE Importation (march-july 2010)

| Country | Ports | Number of containers | Percentage (%) |
|----------------------|---|----------------------|----------------|
| United Kingdom | Tilbury, Roydon Sussex Tilbury, Heinfield West Sussex, Felixstowe | 104 | 59.1 |
| Germany | Hamburg | 28 | 15.91 |
| US | Boston, Norfolk, Baltimore | 5 | 2.84 |
| Hong Kong | Shekou | 2 | 1.14 |
| China | Shanghai | 15 | 8.52 |
| Japan | Osaka, Yokohama Kanaga | 4 | 2.27 |
| Durban- South Africa | | 1 | 0.57 |

Sources of importation of used EEE(march-july, 2010)contd.

| | | | |
|---------|-------------|-----|------|
| Taiwan | Port Kelany | 6 | 3.40 |
| Lebanon | Beirut | 1 | 0.57 |
| Canada | Montreal | 1 | 0.57 |
| Morocco | Tangier | 7 | 3.98 |
| Belgium | Antwerp | 2 | 1.14 |
| Total | | 145 | 100 |

Comparative analysis of the content of Imported EEE into Nigeria(18ships berthed :Jan –March 2010)

| S/N | Description | Number | Percentage |
|-----|--|--------|------------|
| 1 | No of ships without EEE on board | 2 | 11.11% |
| 2 | No of ships with new EEE on board | 9 | 50.0% |
| 3 | No of ships with used EEE on board | 14 | 77.78% |
| 4 | No of ships with new and used EEE on board | 16 | 88.89% |
| 5 | No of ships with only used EEE on board | 7 | 38.88% |
| 6 | No of ships with only new EEE on board | 2 | 11.11% |

COMPARATIVE ANALYSIS OF COUNTRY OF IMPORTATION FROM THE SURVEY

| Countries of importation | Product Percentage % | | | | | |
|--------------------------|----------------------|--------------|------------|---------------------|------------|-----------------|
| | Category1 | | Category 2 | Category 3 | Category 4 | Category 5 |
| | Air conditioner | Refrigerator | kettle | Computers and parts | Television | Water Dispenser |
| China | 50 | 79.3 | 91.4 | 35.5 | 42.45 | 85.3 |
| Hong Kong | 0 | 3.5 | 0 | 5.7 | 13.83 | |
| Republic of South Africa | | 3.3 | | 0.2 | | |
| Singapore | 29 | 1.3 | 19 | 2.2 | 11.74 | 8.6 |
| Vietnam | | | | | 10.20 | |
| <i>UAE</i> | 3 | 1.3 | 3 | 3.8 | 7.25 | 2.1 |
| Korea Republic | 3 | 1.8 | 3 | 0.8 | 3.89 | 0.3 |
| Australia | | | | 2.3 | 3.87 | 2.8 |
| Thailand | 14 | 0.2 | 14 | | 2.57 | |
| UK | 1 | 0.8 | 1 | 9.7 | 1.04 | 0.5 |

**COMPARATIVE ANALYSIS OF COUNTRY OF IMPORTATION FROM THE SURVEY
CONTD.**

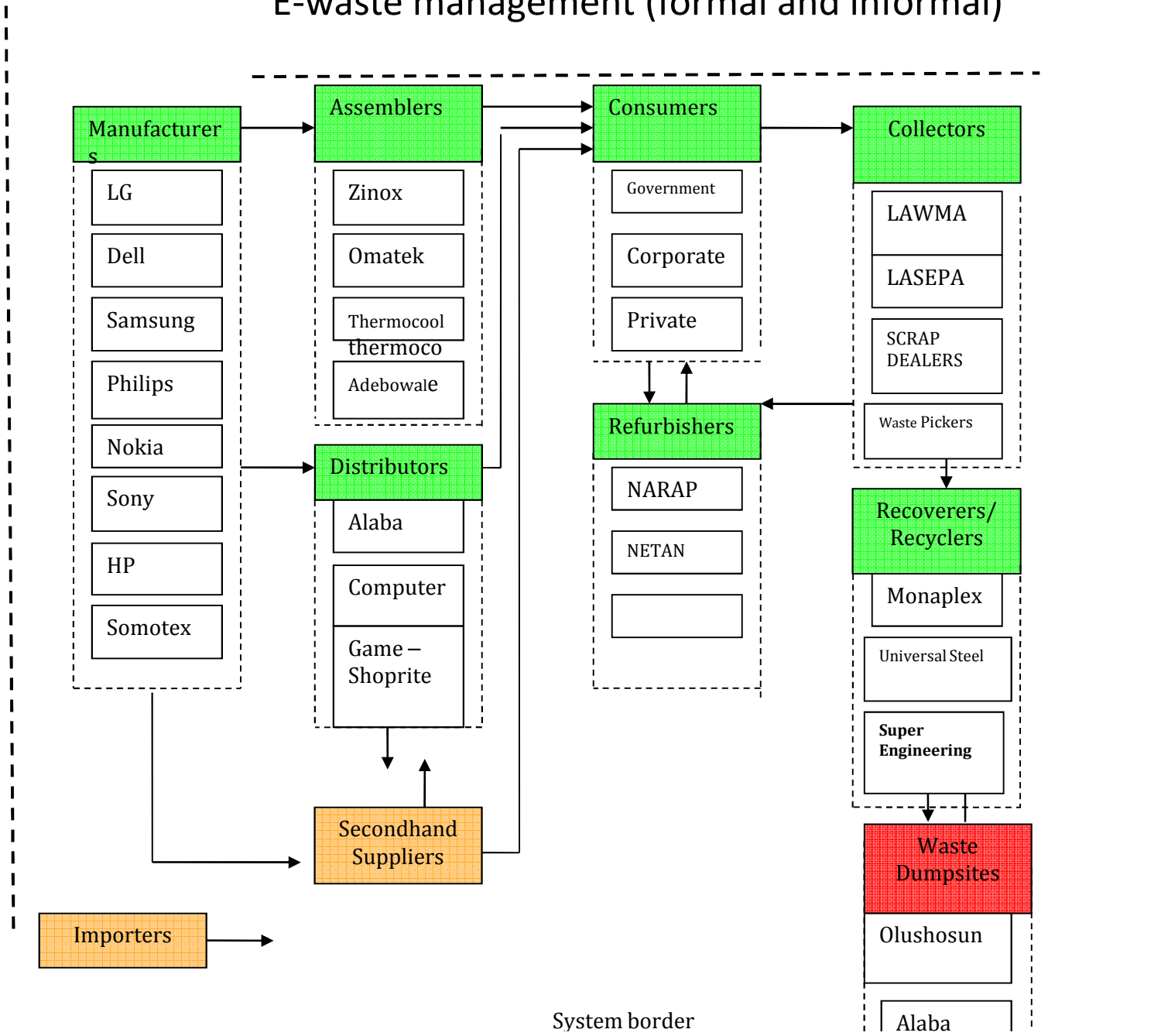
| | | | | | | |
|-------------|--|-----|--|------|------|--|
| Japan | | | | 1.2 | 0.21 | |
| Indonesia | | 0.3 | | 5.3 | | |
| USA | | 0.1 | | 24.3 | 0.17 | |
| India | | 1.7 | | | 0.11 | |
| Denmark | | 0.2 | | | | |
| New Zealand | | | | | 0.09 | |
| Cambodia | | | | | 0.05 | |
| Italy | | 0.2 | | 0.8 | 0.04 | |
| Belgium | | 0.3 | | 0.1 | 0.00 | |

Average Importation by registered importers ranges between 2-4 containers per month and this could bring between 20-120 containers per annum

Quantity Produced with Average Growth Rate(from national statistical data)

| Electrical Equipment | 2001 | 2002 | 2003 | 2004 | 2005 | Average growth rate |
|----------------------|---------|---------|---------|---------|---------|---------------------|
| Refrigerators | 24,912 | 25,119 | 24,830 | 24,953 | 24,967 | 104% |
| Record Players | 512,353 | 509,975 | 510,696 | 511,008 | 510,560 | 101% |
| Loud Speakers | 111,086 | 110,784 | 111,218 | 111,030 | 111,011 | 102% |
| Radio Cassettes | 26,164 | 26,164 | 26,164 | 26,164 | 26,164 | 100% |
| Air Conditioners | 19,149 | 19,264 | 19,123 | 19,179 | 19,189 | 103% |
| Television Sets | 3,048 | 3,047 | 3,048 | 3,047 | 3,047 | 100% |
| Electrical Cables | 3,496 | 3,600 | 3,450 | 3,522 | 3,522 | 105% |

E-waste management (formal and informal)



Challenges in E-waste mgt.

- i) Lack of legal and Institutional framework
- (ii) Ineffective compliance among generators particularly the informal sector
- (iii) Inadequate funding
- (iv) lack of capacity, inappropriate crude technology are being used
- (v) Insufficient infrastructural capacity

Way forward

- (i) Capacity building to undertake comprehensive situation/gap analysis
- (ii) Building Institutional Framework (Regulation, Legislation especially on the Producer extension responsibility)
- (iii) Strengthen relevant infrastructure on e-waste mgt.
- (iv) Capacity building of the regulator and informal sector
- (v) Undertake education/ awareness
- (vi) Need to provide mechanism for effective coordination of E- waste management activities in the informal and formal sector
- vii) Need to set up standards for e-waste management procedure that meets international requirement
- viii) Need to mobilize resources for effective and sustainable implementations of e-waste management

War Forward contd.

- Promote public- private patnership in the management of e-waste, and
- To promote/support oprational research in e-waste management practices and their impact on the environment /community

Thank you.