SOLID WASTE MANAGEMENT IN KENYA

OPPORTUNITIES AND CHALLENGES

Mauritius 10-13 Sept.2012

BY

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KENYA

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Presentation Outline

- Legal framework
- Status of waste management in Kenya
- Challenges
- Opportunities
- Conclusion

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Legal framework

- EMCA 1999
- Environment Management and Co ordination (Waste Management Regulation), 2006.
- Review of Regulation to incorporate;

➢ Plastic waste
➢ Waste oil
➢ Health care waste
➢ E-waste
➢ Asbestos waste
➢ Waste tyres

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Status of Waste Management in Kenya

- Garbage – Less than 40% collected
- Plastics – below 30micron banned
- Health care –bio-medical waste incineration
- E- waste – to establish collection centers and take back schemes(2 dismantlers licensed)

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Status of Waste Management in Kenya Cont'

- Waste oil – decantation but moving to proper recycling

- Asbestos waste – guidelines directing burial

- Waste tyres – setting up collection centers - cement industries(energy source)

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Challenges

- Legislative framework
  - Lack of S.W.M policy
  - Institutional arrangements
  - Gaps in sector specific regulations
- Capacity
  - Inadequate enforcement
  - Low public awareness
  - Financial implications

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Challenges cont…

- Level of Economy

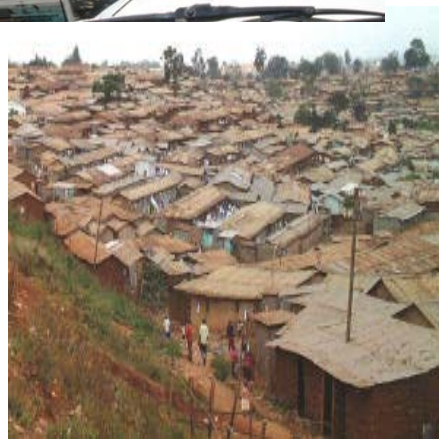
(high vs. low income areas)

•Infrastructure

- illegal structures

and informal settlement

- Planning for collection centers and disposal/treatment sites



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Opportunities

- Resource recovery and reuse of valuable resources
- "Green economic growth" -

Through creation of new

Business and employment creation

- Climate change mitigation

  -Emission reduction

- Waste to energy- easing pressure on non-renewable source of energy

Opportunities Cont'

- Foreign exchange through export of fractions as raw materials for EEE

E- waste material recovery

(SOURCE PETEC Japan)

	Flat Panel TV	Liquid Chrystal	Cathode ray tube TV	Washing machine/ dryer	Air Conditioner	Refrigerator
Copper	1%	1%	3%	4%	17%	4%
Plastic	10%	40%	23%	36%	11%	40%
Aluminium	19%	4%	2%	3%	7%	3%
Iron	21%	30%	10%	53%	55%	50%
Glass	29%	6%	57%	-	-	-
Others	20%	19%	5%	4%	10%	3%

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Conclusion

"Waste is a valuable source of resource. Let us exploit it for sustainable development"

Thank you

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