

Composting

Nature's Benefits: Natural Capital in
the South Atlantic

12th March 2019



Overview

- Overview of the OCTA Innovation Project
- Organic Fraction of Municipal Waste
- Benefits of composting
- Compost consumption
- On island compost methods
- Compost Pilot Project

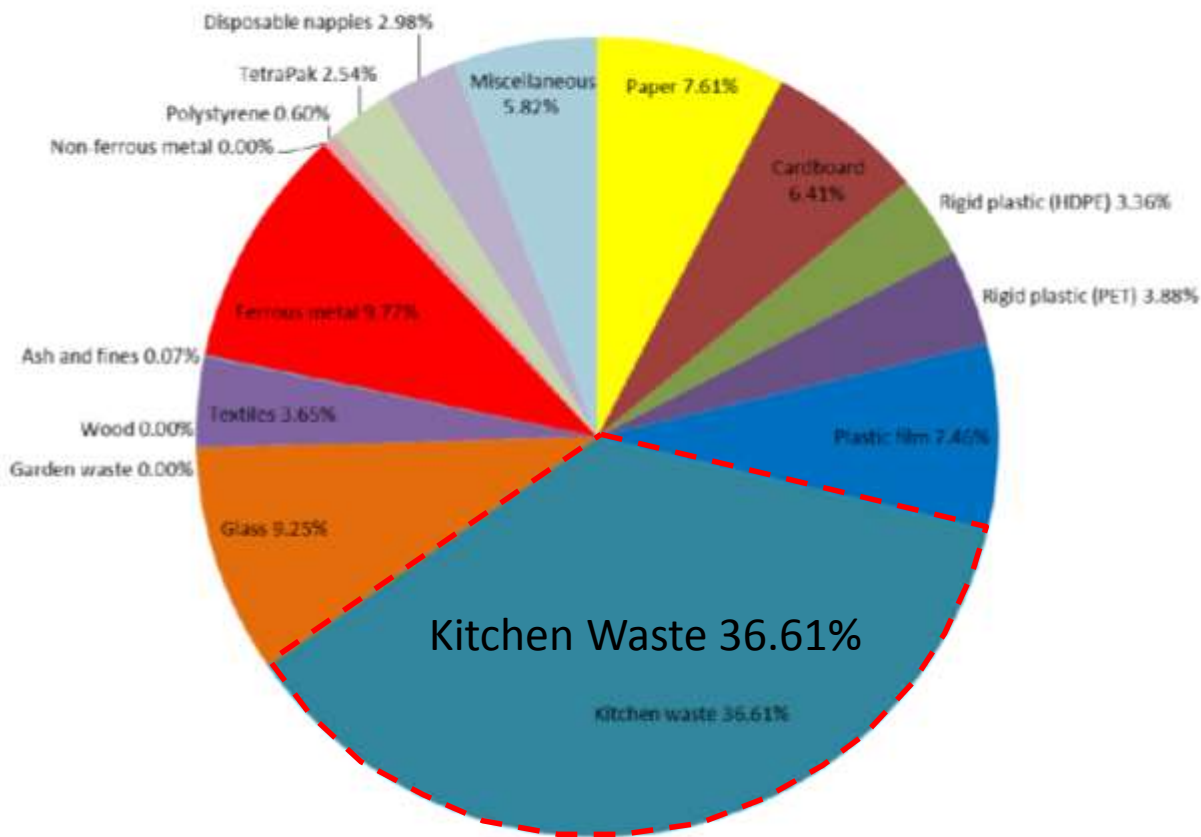
OCTA Anaerobic Digestion and Composting Innovation Pilot Project

- EU funded project
- Contribute towards extending the life of Horse Point Landfill Site (HPLS) – estimated lifespan of 12yrs
- Two targeted waste streams:
 - Piggery Manure
 - Organic fraction of municipal waste

Organic Fraction of Municipal Solid Waste (OFMSW)

2013 – calculated that 875 tons of mixed municipal solid waste was landfilled of which 130t was organic

2018



Year	Percentage Organic Waste
2013	15.74%
2014	30.65%
2015	55.50%
2016	38.60%
2017	51.68%
2018	36.31%

Benefits of Composting

- Reduce the volume of OFMSW entering the landfill
- Nutrient Recycling of a waste stream
- Reduces the reliance on the import of compost which possess a biosecurity risk



Compost Consumption

- ~76,480Litres of compost is imported annually between three on island outlets

				Purchase Price		
Year	Purchase Price	Duty Paid		Private	Commercial	Government
2011/12	5,388.00	1,077.60		128.74	5,259.26	0.00
2012/13	13,528.47	2,677.29		601.08	12,927.39	0.00
2013/14	5,113.32	1,022.67		121.86	4,991.46	0.00

On island compost methods

- Data collection
- Jora Composter JK400
- Conservation and Forestry
 - Invasive species composting
 - Manure and cut vegetation
 - Fisheries waste
- No compost production by agricultural farmers at Mulberry Gut



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St Helena
Government

Compost Pilot Project

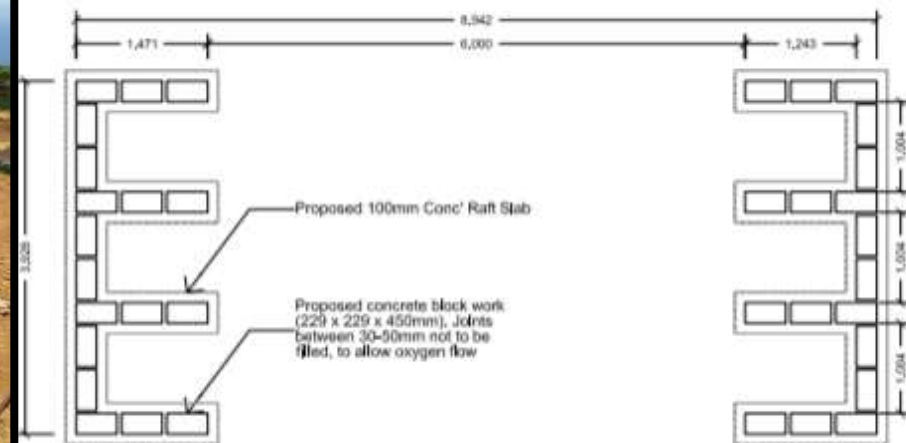


- Partnership with the SHNT to develop composting of the organic fraction of municipal waste
- Funding contribution from ESH

Current method



Proposed method



Plan (scale: 1/50)



Thank you for
listening!

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**Funded by
UK Government**

