

# CHARACTERISTICS OF WASTE MANAGEMENT IN ISLANDS – ECONOMICAL ASPECTS

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**More than 320 inhabited islands  
20 million inhabitants.  
3% of the European population**

- Unique environment,
- No *'one size fits all'* approach
- Vulnerable and isolated pieces of land
- Strategic, political, economic, social and cultural values



# Characteristics

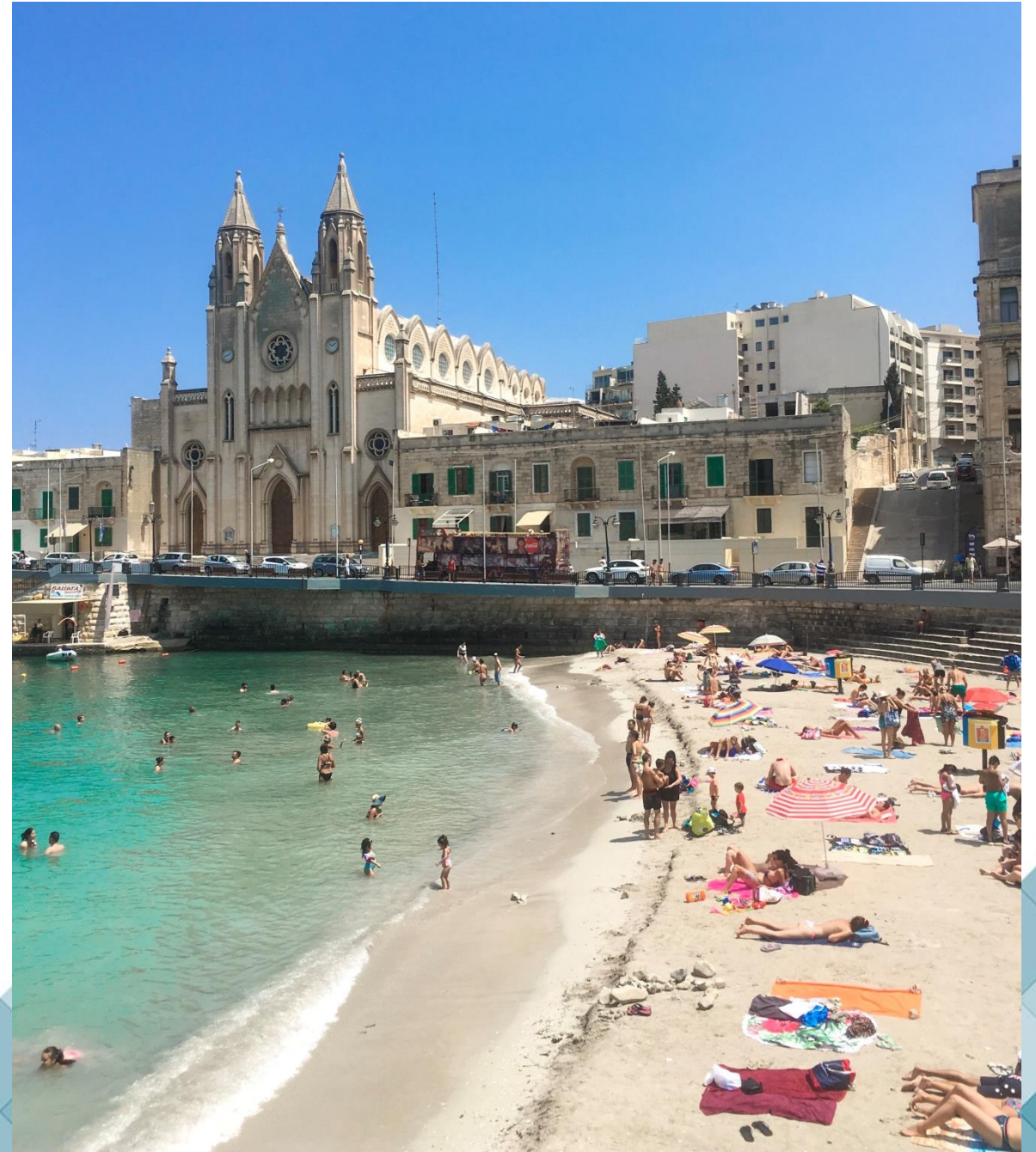
## Geography

### Geographical Isolation

- Complex transportation logistics
- Resource limitations
- Human resources
- Knowledge resources
- Financial means
- Land area
- Natural resources

### Ecological fragility

### Climate



# Characteristics

## Tourism

- Population fluctuations
- Seasonality – waste fluctuations
- Challenge of integrating tourists into the local separation system



# Characteristics

## Infrastructure and local markets

- Energy markets and grids
  - Electricity grids
  - Heat market and infrastructure
- Industry
  - Industry's ability to take waste (RDF)
  - Reuse industry
  - Recycling industry
  - Materials production

## Legislation

- Compliance with legislations and targets



# Characteristics

Economies of scale (small waste volume)



# **WASTESERV**

**CREATING RESOURCES FROM WASTE**

- A Private company owned by the government
- Operator of the last resort - in the absence of the private sector
- Provides the required WM services to the local residents





## Our Purpose

We manage waste by maximising the extraction of good quality recyclable materials and by generating renewable energy as part of our sustainable contribution for the Maltese Islands.



# Financing and Income Sources

- Self Generated Income
- Income from Central Government
- EU Funds (on qualifying Projects & Initiatives)



# Self Generated Income

- Mainly composed of Gate Fees
  - regulated by Central Government
- Other income generated from:
  - Export of excess electricity to the grid;
  - Sale of recyclable material



# Income from Local Government

- Yearly allocation from Central Government
- Finances expenditure not otherwise covered by Self Generated income
- Covers expenditure both of recurrent and capital nature

# Landfill Operational Costs

- **Directly Attributable Costs:**
  - Operational costs incurred in operating and maintaining landfill;
  - Subsequent cost of capping and aftercare.
- **Main Cost Drivers:**
  - Land and site preparation;
  - Labour Cost;
  - Machinery & Equipment;
  - Utilities.





# Ancillary Costs

- Operational cost of other facilities and initiatives
- Aim of diverting waste from landfilling, being the last resort
- These include:
  - Operation of Civic Amenity Sites'
  - Schemes aimed at segregating waste at source (e.g. organic & recyclables from other MSW);
  - Operation of a Recovery Facilities.









**SORT IT OUT**

Freephone 8007 2200  
[www.wasteservmalta.com](http://www.wasteservmalta.com)



Operational Programme I – European Structural and Investment Funds 2014 – 2020  
"Fostering a competitive and sustainable economy to meet our challenges"  
Project financed by the Cohesion Fund  
Co-financing rate: 80% European Union, 10% National Funds



Polystyrene



Plastic



Glass



Metal



Cooking Oil



Paper & Cardboard



Textiles



**WASTESERV**  
CREATING RESOURCES FROM WASTE

## Current Company Projects / Initiatives

- Extension of current landfill capacity
  - Alteration of the current Ghallis Landfill profile;
  - Creation of additional cells.
- Rehabilitation of Wied Fulija
- Organic Processing Plant
- Waste to Energy Facility
- Multi Material Recovery Facility







# Thank You!

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