

ISWA'15
WORLD CONGRESS
ANTWERP

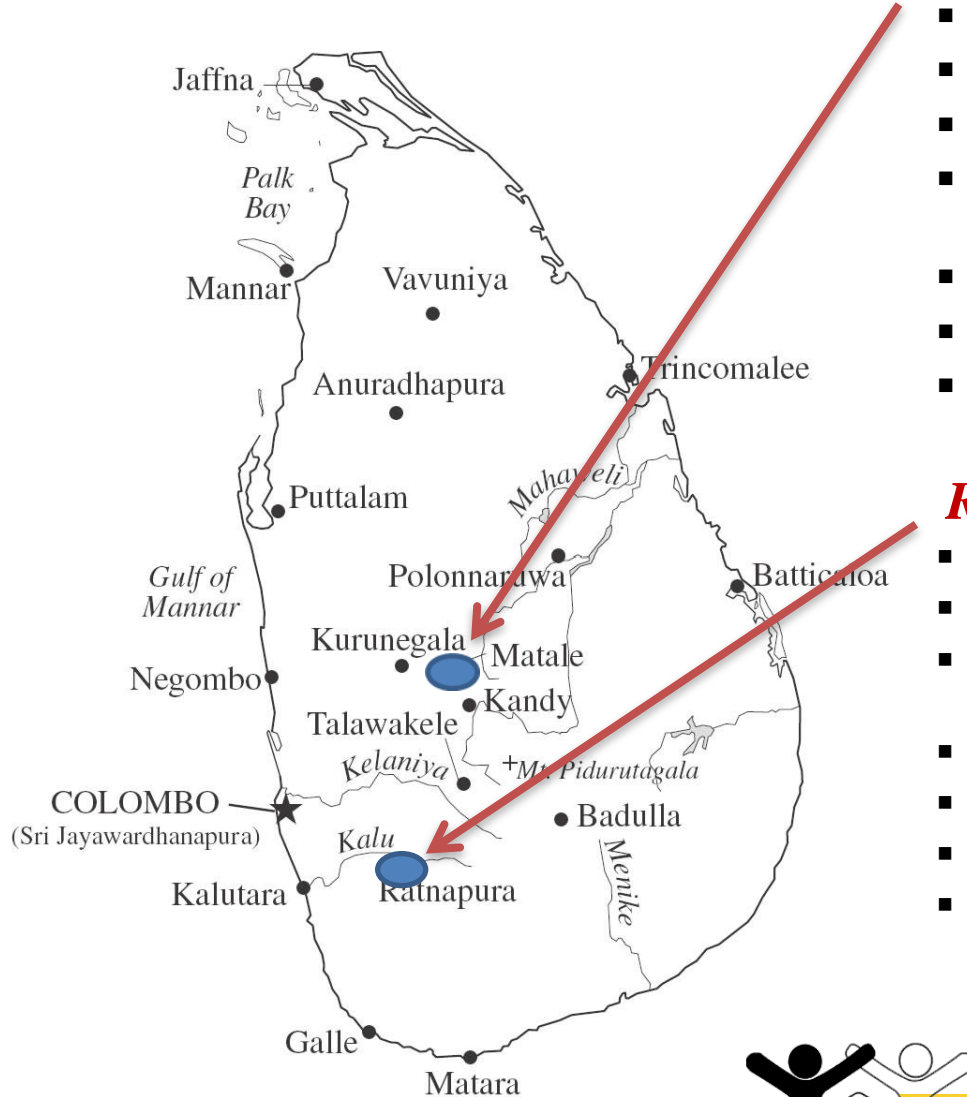


TOWARDS A ZERO WASTE SOLUTION FOR SRI LANKA



Jayaratne Kananke Arachchilage, President, Sevanatha Urban Resource Centre

Introduction to Matale and Ratnapura



Matale Municipality

- **Population:** 48,500
- **Land area:** 8.6 sq.km
- **City Status:** District Capital
- **Location:** 108 km from the capital city, Colombo
- **Total Waste Generation:** 21 – 23 t. p/d
- **Daily Collection by the MC:** 17 – 18 t.
- **Disposal Method:** Open Dumping

Ratnapura Municipality

- **Population:** 58,500 (2013)
- **Land area:** 22.18 sq.km
- **City Status:** District Capital famous for Gem Mining and Processing
- **Location:** 140 km from the capital city
- **Total Waste Generation:** 28-30 t. p/d
- **Daily Waste Collection by the MC:** 23 – 25 t.
- **Disposal Method:** Open Dumping



Overview of Project Activities

In both Matale and Ratnapura

- Partnerships between ESCAP, Sevanatha and the municipal council have been established for the implementation of the project
- Land for the IRRC has been allocated by the municipal council
- ESCAP and the Central Environment Authority have paid for construction
- Operation by Micro Enriched Compost (MEC), a social enterprise established by Sevanatha
- Under the partnership, community awareness raising and information campaigns have been regular and supported by Sevanatha
- The Central Government has been kept closely informed of progress

Performance of IRRCs in both Cities in 2014

	Matale	Ratnapura
Organic waste - Tons	1408	869
Recyclables - Tons	42	13
Compost - Tons	49	9
Income - UDS	8,200	1,131
Emission Reduction	552	322 tCO2

Both cities have accepted IRRC approach as the best option for implementation of zero waste policy at city level

Incremental Expansion in Matale City

2006

Pilot IRRC to decentralize MSW management, with capacity of 2 tons of waste per day for 700 hh

2011

2nd IRRC with financial support from Central Government - 2 tons of waste per day for 300 hh

2013

3rd IRRC with capacity 5 tons of waste per day for 3000 hh

2015

Further expansion by 5 tons of existing facilities, supported by Central Government

The IRRCs in Matale are the only SWM projects in Sri Lanka recognized by UNFCCC for carbon finance

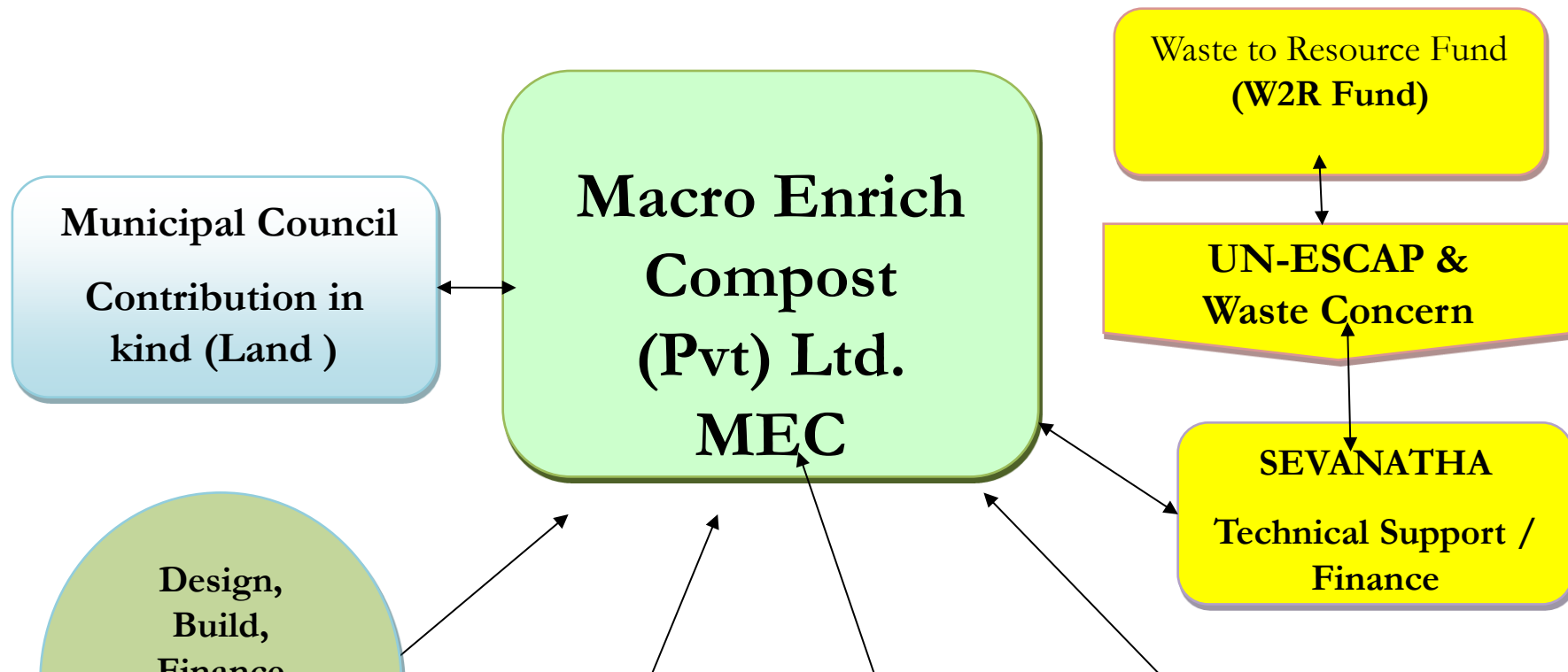
First IRRC Matale



Second IRRC Matale



Partnership Arrangement in Matala (DBFOM)



预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_4105

