

**Workshop for Sharing of Knowledge on Solid Waste
Management
and
Preparatory Meeting for the Creation of an "African Clean Cities
Platform"**

**Summary of the Project for the Promotion of
Sustainable Activities of **3R** in Maputo
in the Republic of Mozambique**



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Luisa Langa Bila



Municipal Department of Health and Cemeteries



STRUCTURE OF PRESENTATION



Project Outline

1. Purpose of the Project
2. Execution structure
3. General Project Schedule
4. Expected results
5. Master Plan



1. ESBOÇO DO PROJECTO . PROJECT OUTLINE

To make the participants understand about the project developed in the last 4 years

- Started March 2013 to April 2017.
- Target group:
- Maputo City Council (CMM)
- Residents of the Municipality of Maputo
- Target Area:
- Maputo City (excluding the municipal districts "Katembe" and "Kanyaka")



INAUGURATION OF THE PROJECT





1st Meeting of Joint Coordination Committee at DMSC, 2013



JOINT WORK





2. GOAL, OBJECTIVE AND RESULTS



General Objective

Improving the urban environment and living conditions in Maputo City

Purpose of the Project

The improvement of Solid Waste Management Capacity (GRS)

Result 1

Improving the capacity of analysis of the current situation of GRS in CMM

Result 2

Improvement of the capacity of collection and transport of GRS in the target area of the project (cooperation with the private sector)

Result 3

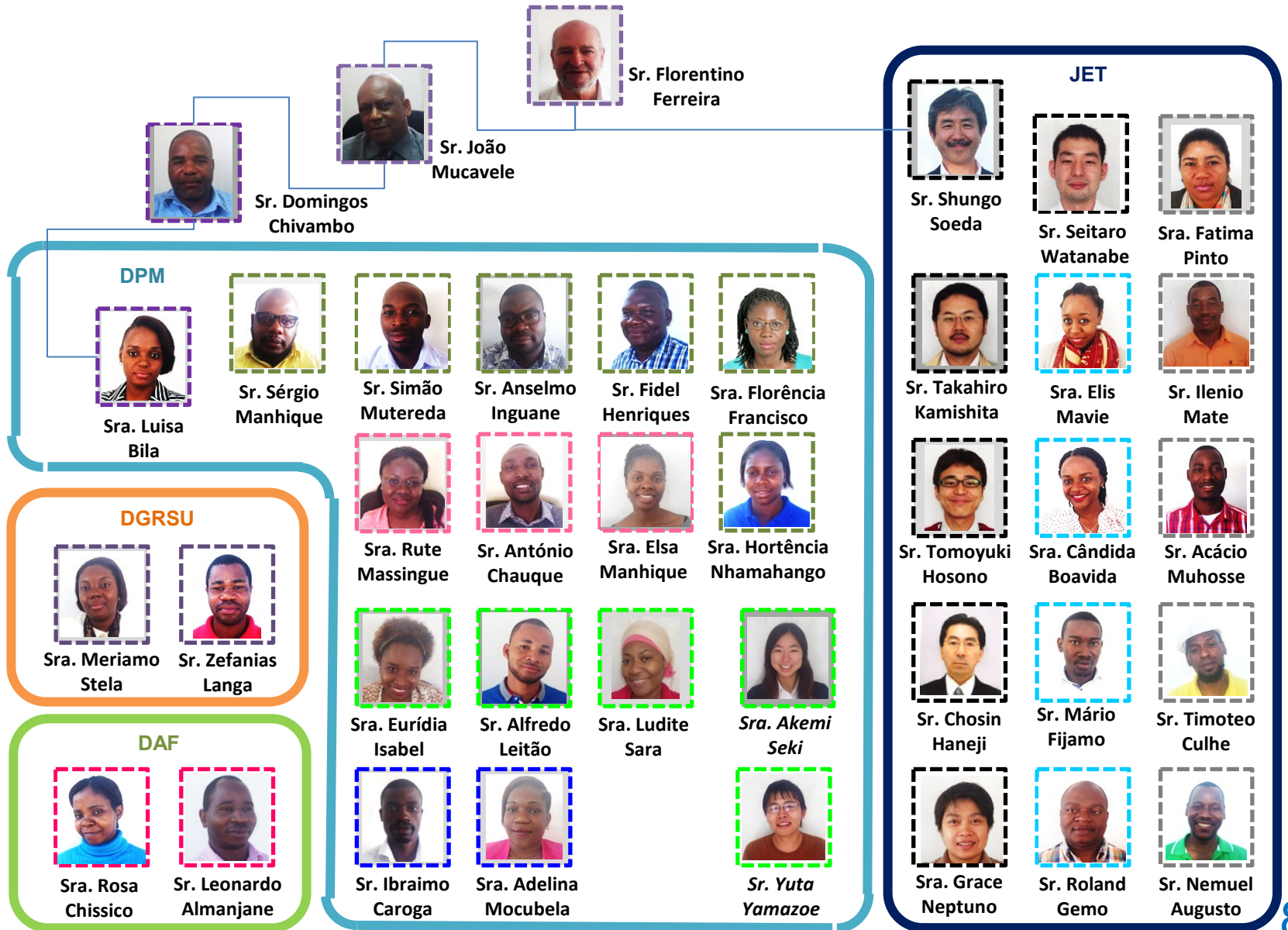
Improved GRS financial analysis capacity in CMM

Resultado 4 . Resultado 4

Introduction of 3R activities for the reduction of solid waste (including the private sector) in the target area of the project




















3. PROJECT STRUCTURE





4. GENERAL SCHEDULE OF THE PROJECT



	1 st Year (03/2013-03/'14)	2 nd Year (04/'2014-03/'15)	3 rd Year (04/2015-03/'16)	4 th Year (04/2016-03/'17)
JCC	 	 	 	 
Reports	W/P PR/R	W/P PR/R	W/P PR/R	W/P PC/R
Monitoring File	 	 	 	
JICA's Assessment		Mid 		 Final
Activities for Result 1	Review and Pre-updating of P/D	Action and Monitoring Plan	Monitoring GRS Directives	P/D reviewed Action Plan
Activities for Result 2	Review of activities Conception of P/P	Design and implementation of P/P	Review and implementation of P/P	Review of P/P Action Plan
Activities for Result 3	Review of System Financial Report	Budget Plan Financial Report	Budget Plan Financial Report	Review of Action Plan Rate
Activities for Result 4	Review of Activities and programs	Awareness on 3R Conception of P/P	Implementation of P/P	Review of P/P Action Plan



5. ACTIVITIES FOR RESULT 1

- 1-1 **Review the current P/D and identify differences with the current situation** (concluded in the 1st year).
- 1-2 Collect and review information and recent data on the amount and composition of waste and final deposition volumes (continuation of 1st year)
- 1-3 **Update the current P/D** (concluded in the 1st year).
- 1-4 **Draft an Action Plan** for the period of the project basing on the updated P/D (continuation of 1st year)
- 1-5 Draft **GRS Directives** for the City of Maputo (3rd to 4th year)
- 1-6 **Establish a GRS target for the post Project period and elaborado um draft do P/D** (3rd to 4th year)
- 1-7 **Drafted an Action Plan for 2021** (4th year).



5. ACTIVITIES OF RESULT 2

- 2-1. Review the situation of the collection and transport of waste in Maputo City (concluded in the 1st year).
- 2-2. **Develop a plan for the Pilot Project to improve the collection and transport of waste in cooperation with the private sector** (continues from the 1st year)
- 2-3. **Implement** the Pilot Project to improve the collection and transportation of waste in cooperation with the private sector in urban areas (3rd year)
- 2-4. Review and give feedback on the results of the Pilot Project carried out in Activity 2-3 (3rd year)



5. RESULT 2's ACTIVITIES

- 2-5. Based on the results of The Activity 2-1, **to plan for the Pilot Project in order to introduce the collection of recyclable material in the primary collection of solid waste in the suburbs.**
- 2-6. **Implement the Pilot Project to introduce the collection of recyclable material into the primary collection of solid waste in the suburbs, planned in Activity 2-5**
- 2-7. Review and give feedback on the outcome of the Pilot Project conducted in Activity 2-6
- 2-8. **Develop the Action Plan** for improving the collection and transport of waste.



5. ACTIVIDADES PARA O RESULTADO 3 .

ACTIVITIES FOR RESULTS 3



- 3-1. **Review and analyze the current financial management** of GRS in order to identify problems (continuation of 1st year)
- 3-2. **Collect periodic data on taxes and expenses related to waste monthly** (continuation of 1st year)
- 3-3. Introduzir os dados e calcular o orçamento anual e despesas mensais (continuation of 1st year).
- 3-4. **Prepare the annual financial report** (continuation of 1st year)
- 3-5. Prepare an annual budget planning report.
- 3-6. Review the cleaning fee (continuation of 1st year).
- 3-7. **Develop the Action Plan for improving financial management** (4th year)



5. ACTIVIDADES PARA O RESULTADO 4 . ACTIVITIES FOR RESULTS 4



- 4-1. Rever a situação actual das actividades de reciclagem de material (papel, vidro, metal e plástico) e de material orgânico (concluído no 1º ano).
- 4-2. Estudar a possibilidade de reciclagem de materiais (incluindo a cooperação com catadores de lixo) (concluído no 1º ano).
- 4-3. Rever e melhorar os programas de consciencialização pública para a introdução de 3R (continuação do 1º ano).
- 4-4. Implementar programas melhorados para a introdução de 3R.
- 4-5. Elaborar um plano para o Projecto-piloto para a promoção de actividades de reciclagem (cooperação com o sector privado) e uso de resíduos orgânicos (resíduos de cozinha, resíduos verdes).

Review the current status of recycling activities (paper, glass



5. ACTIVIDADES PARA O RESULTADO 4 . ACTIVITIES FOR RESULTS 4



- 4-6. Implement a pilot project (3rd year)
- 4-9. **Implement a pilot project for the use of organic waste.**
- 4-7&10. Review the results of the pilot project and develop a plan for its promotion (3^o and 4^o years)
- 4-11. **Prepare the Action Plan for the expansion of the pilot project for recycling and composting (4th year).**
- 4-9. **Implement a pilot project for the use of organic waste.**



Training in Japan (2013)





Training in Brazil (2015)





TICAD Additional Event in Nairobi (2016)

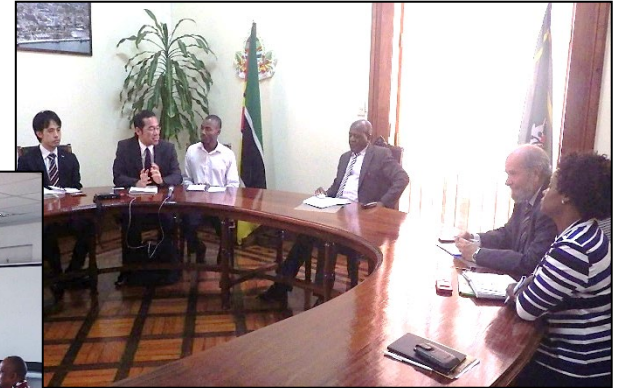




JOINT EVALUATIONS



In the middle of project
November, 2014



Final
August, 2016



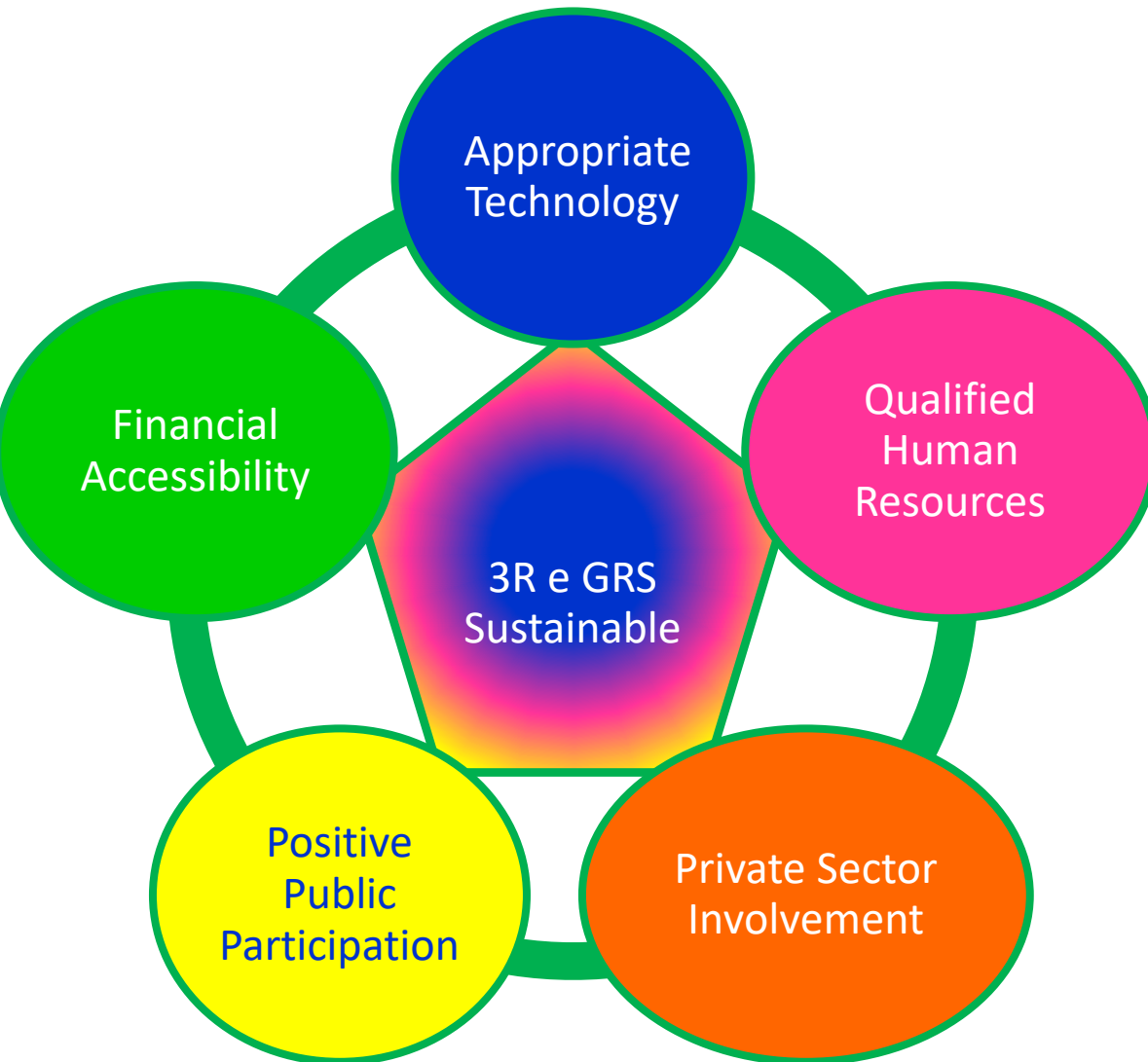


6. MASTER PLAN

- In implementing the new Master Plan, it is proposed an approach called the “Pentagon Approach”
 - I. An **appropriate organizational system**, with qualified human resources capable of meeting the challenges they face;
 - II. Adoption of **feasible and sustainable GRS technologies**;
 - III. **Efficient involvement of the private sector**, including social organizations;
 - IV. **Positive public participation**, with a good level of awareness through civic education;
 - V. Ensuring **balance between the balance of payment and expenditure**, with the ultimate objective of achieving financial sustainability;



6. MASTER PLAN (2017)



Vision

Clean and Sustainable City, Maputo 3R

Objective

Establish the appropriate technical direction of GRS and 3R for an urban environment and sustainable living conditions



CONTENTS OF THE MASTER PLAN

- Chapter 1: Introduction;
- Chapter 2: Legal Context of Urban Solid Waste Management;
- Chapter 3: Basic Information for GRS
- Chapter 4: Analysis and diagnosis of the current situation on the basis of the data collected;
- Chapter 5: Preparation of population growth projections and, consequently, of the production and disposal of solid waste
- Chapter 6: Detailed conceptual plan to be implemented during the period of validity of this Master Plan;
- Chapter 7: Matrix of Indicators and Monitoring System with evaluation methods.

