Project t: Integrated of solid waste management

Noel NIZEYIMANA
CEO of Greencare Rwanda ltd

GreenCare Rwanda Ltd

Our environment
Our concern

1 About Greencare Rwanda ltd

CEO Of GreenCare RwandaLtd

Chief Executif Officer

COO Of GreenCare RwandaLtd

Chief operating officer

CCMO Of GreenCare RwandaLtd

Chief Communication and Marketing officer

CFO Of GreenCare RwandaLtd

Chief Finance Officer

01 2016 Registered company by Rwanda Development Board (RDB)

02 2017 Licensed by Rwanda Utility and Regulations Authority (RURA)

2. Why Greencare was created to do?

- Provide integrated sustainable waste management solutions and enhance sustainable Agricultural Production through wide use of organic fertilizer

- To become one of the top companies in waste management services and market leader in the fertilizers industry

Integrity
Quality
Sustainability
Scientific and innovation
Approach
Personalizer customer care service
Community /Partnership

3. Problem We want to Solve And Why ?

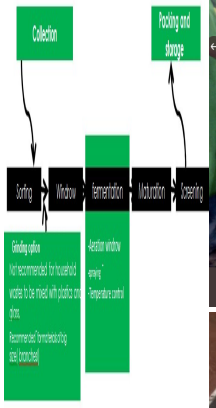
Case study : Huye District

Situation of solid waste management at Huye in 2015

1. Environmental pollution
2. Diseases and pests propagation(diarrheal etc)
3. Insufferable odour
4. leakage of pollutants into ground water sources
5. Methane gas production
6. exposing the waste-pickers to toxic
7. Contamination and reducing cultivated land (Approximately 5 hectares was used

4. Sustainable Solution for Biowaste Management

A. 70 % is BIOWASTE



3,600 Tons /year

solid waste /year

60/days

Composting process

800-1000 Tons

Compost per year

25e

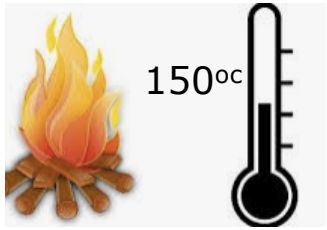
Jobs creation

b. Recyclables materials

Plastics waste

720 T /year

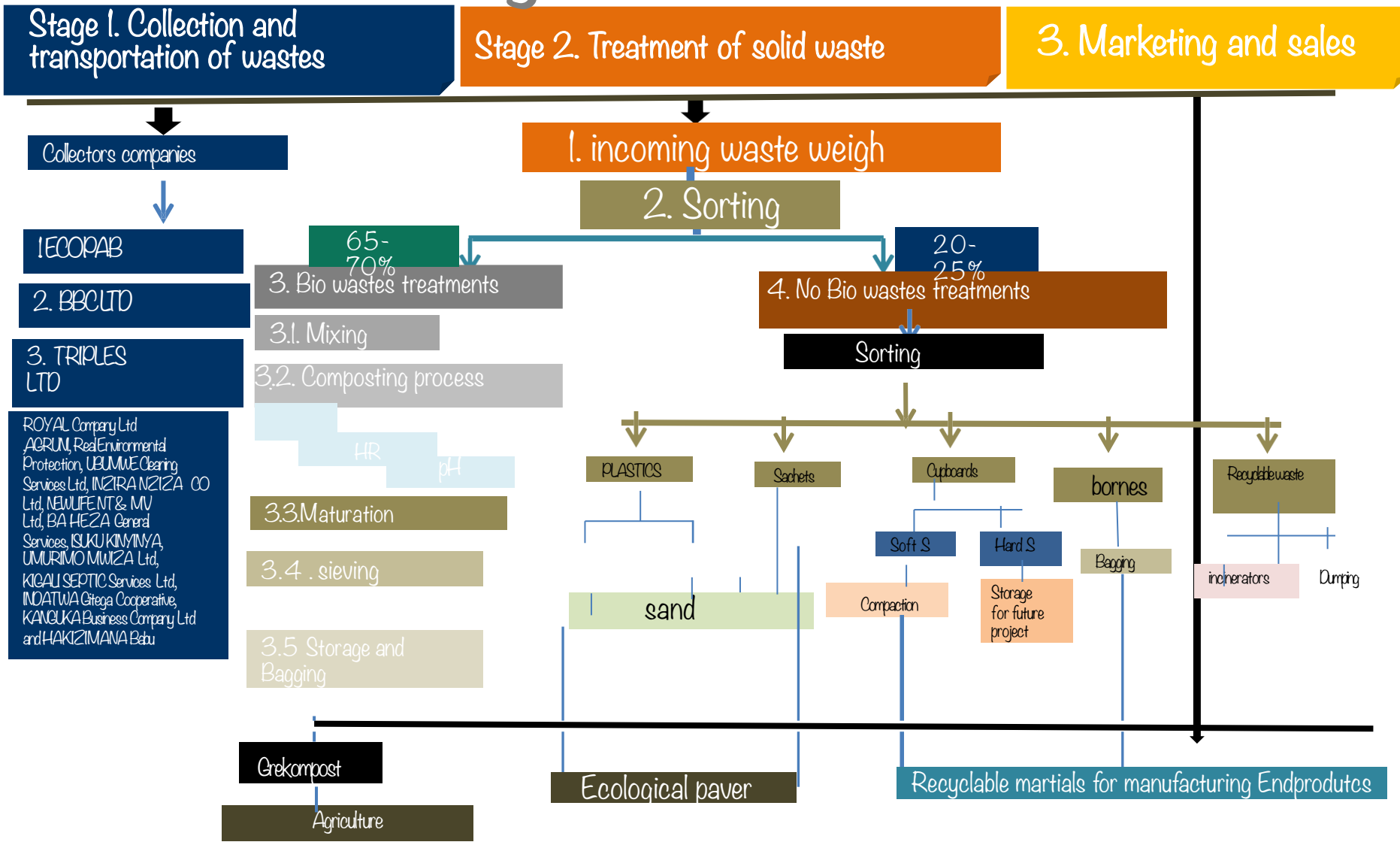
Sand



Ecological paver block

2,560 m^2/ year

5. Flow of the Operation for solid waste management



6. Impact of converting waste into Recying plant

- Waste to resource :65- 70% of loading at the facility will be composted
- 10% - 15% is recyclable materials sell for manufacturing endproduts
- Job creation : > 45 jobs
- Save the land and reduce land contamination
- Reduce environmental pollution
- Promoting circular economy
- Contribute to NST1 and 17 SDGs

5. Challenge

- Insufficient skills and knowledge for the best technology for solid waste management.
- Lack of stakeholder's inclusivity for solid waste management implementation
- Lack of a propriety model /policy for finding and financing solid waste management project.
- Lack of clear policy regarding manufactured organic fertilizers use due to the low number of industries engaged for Compost production at industrial scale this leading to the lack of market, subsidies and distribution channel

Thank you !!