

1. Institutional Settings



The Municipality has implemented several policies and procedures to develop solid waste management in the municipality in general and waste sorting and recycling in particular:

- Modernization of the fleet and of the waste collection and transportation mechanisms and allocation of part of the selected materials;
- Construction of a workshop centre for the maintenance of compactors, cleaning vehicles and training of staff to support the project;
- Form a team of trained workers for the collection of sorted waste;
- Grant financial incentives to those who classify from the source, such as reducing waste collection fees by 50%;
- Carry out environmental awareness campaigns for all segments of society (Jordanians, Syrians, youth, women, students, shop owners, government institutions, etc.);
- Signing agreements with producers of recyclable wastes with the aim of collecting sorted waste, analyzing waste sent to landfill and minimizing the random dispersion of waste;
- Prepare a future plan to complete the development, recycling and manufacture of secreted materials such as plastics.



2. Starting Point



GIM is facing many challenges:

- The highest population density, with 912,892 inhabitants;
- With 400km² and 185km² of zoned area;
- An influx of 250,000 Syrian refugees;
- High incidence of poverty, unemployment and lack of job opportunities;
- Increased burden on providing services to GIM;
- Increase pollution, the amount of waste is 800 t/d;
- Limited energy sources and high cost of access;
- Lack of environmental awareness;
- Weak municipal budget and limited resources;
- Lack of partnership agreements between the municipality and the private sector in the field of investment;
- Increased tension between host community and refugees.

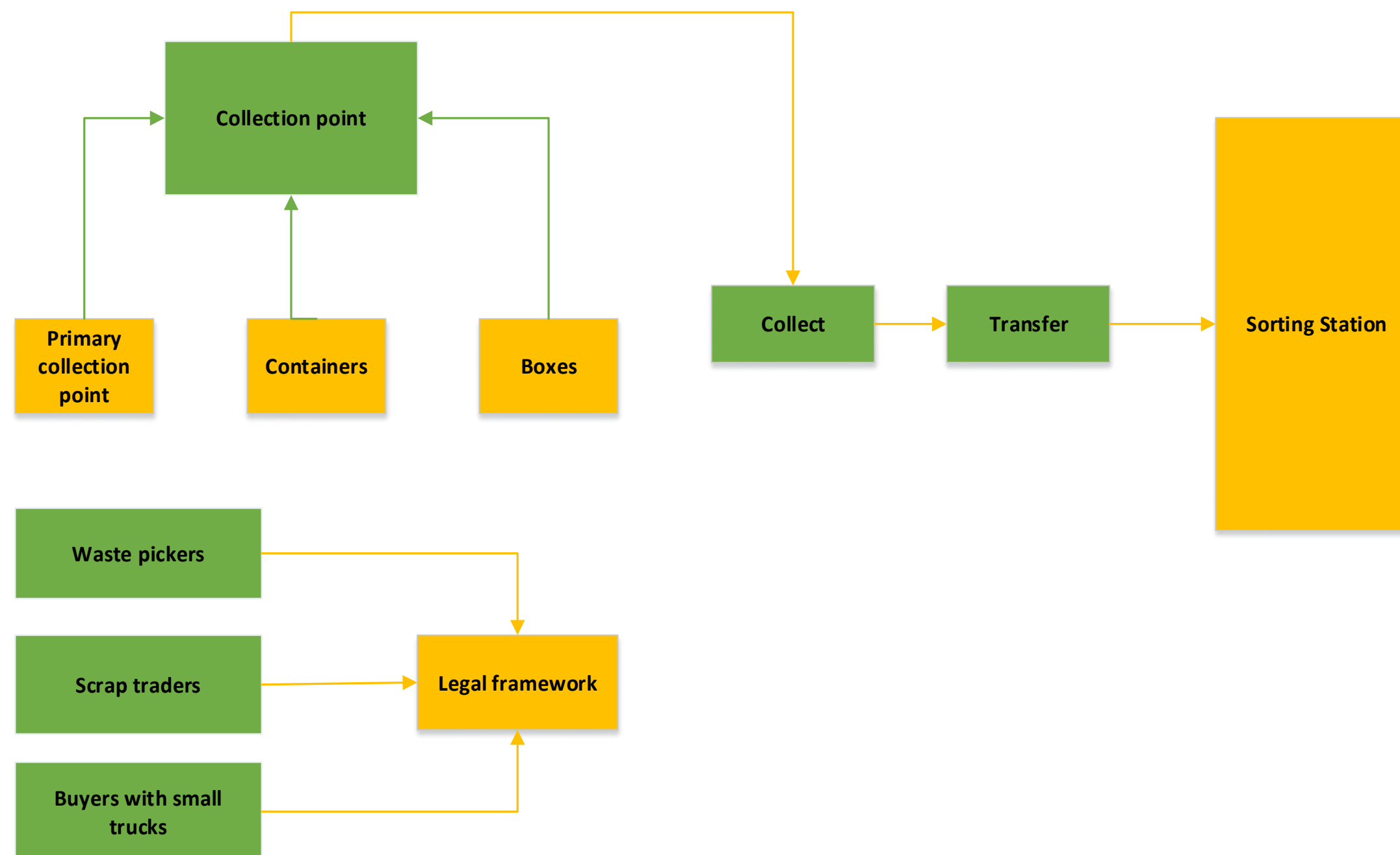
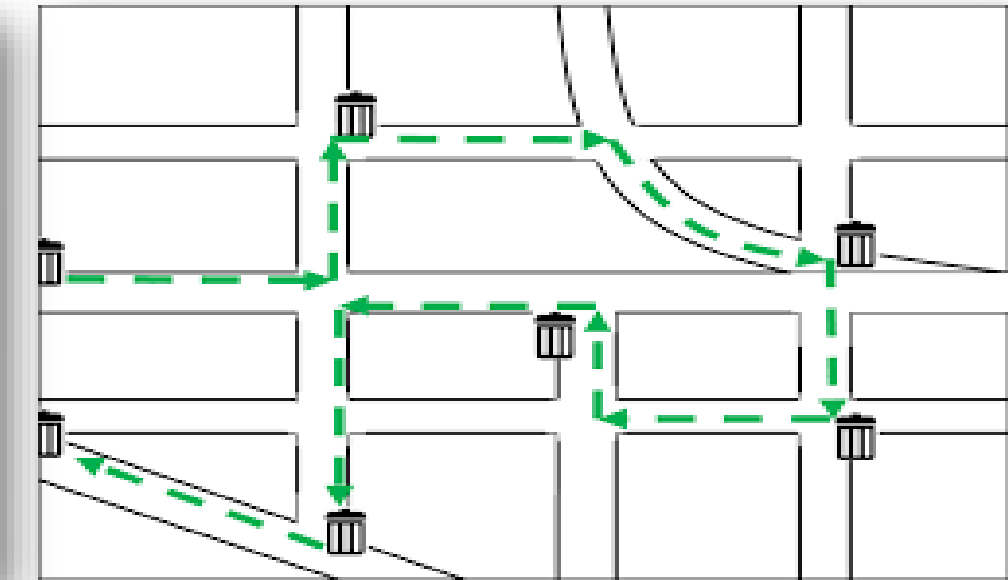
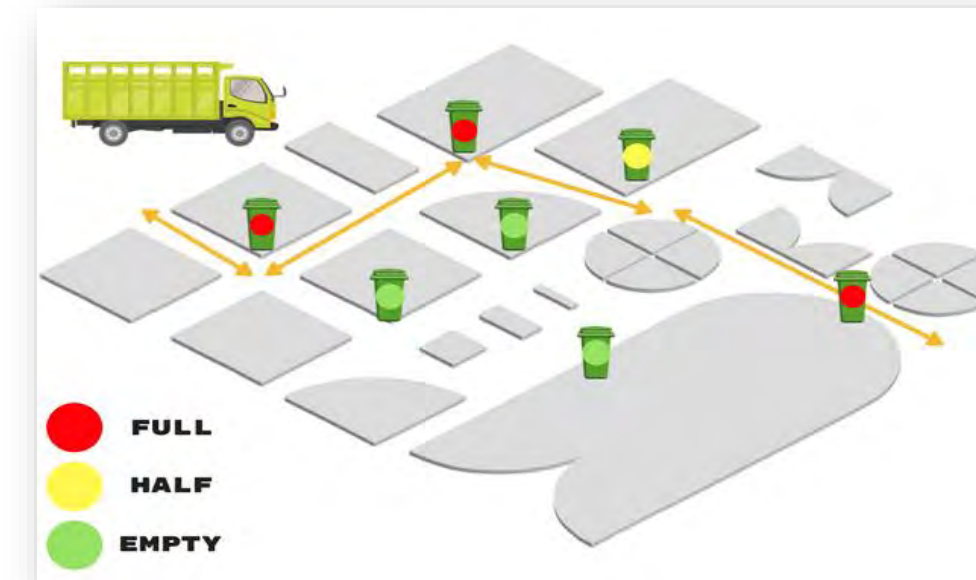


3. Approach



The main operations in the sorting process are:

- Identification of sources and location of sortable waste
- Container distribution
- Collection
- Transportation
- Segregation in the sorting facility



4. Outputs

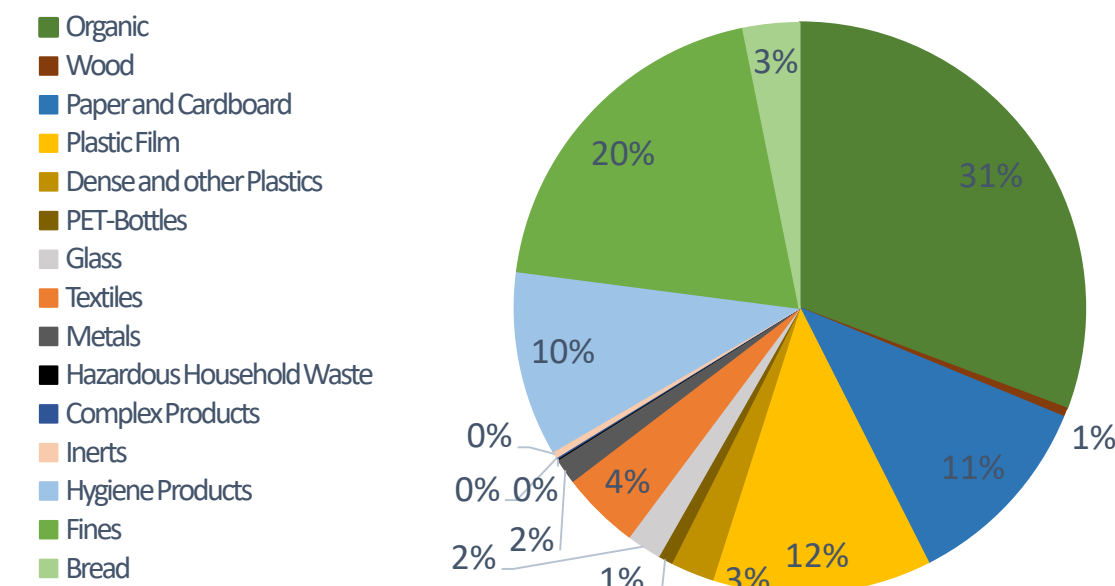
- 1- Waste Composition Studies
- 2- Establishment of a sorting facility equipped with modern equipment
- 3- Establishment of recycling facilities equipped with modern equipment

- Reception
- Unloading
- Manual Sorting
- Treatment
- Transporting to the warehouse
- Marketing and sale

- 4- To raise citizens' awareness of the importance of waste sorting, treatment, recycling and manufacturing

5- Sustainability

- Maintenance
- Daily cleaning
- Site Health and Safety Protection



5. Lessons



- Community integration between Syrians and Jordanians and reduction of tensions;
- Train and qualify municipal staff according to their work on the project;
- Identify the types of sorted materials and types of plastic and how to market and process them;
- Training in the maintenance of equipment, machinery and vehicles of all types;
- Training in analytical programs such as GIS to locate the best container locations and collection routes;
- Integration of scavengers and informal employment in the project.

6. Follow Up



Greater Irbid Municipality has established and rehabilitated waste management facilities, and will establish an environmental center to complement and strengthen solid waste management in order to obtain new revenues and sources of income for the municipality.

