Gaza Action Plan

Knowledge Exchange on Solid Waste Management
Seoul– South Korea
June 17-21, 2019
Gaza Key Takeaways

1. SWM in action: volume based waste fee system (prepaid waste bags, Hazardous waste trucks, etc.)

2. World Cup Park

3. More self conscious about SW generation and the need to reduce waste (change in behavior)

4. Knowledge Transfer to the local community
Gaza Accomplishments Needed

1. A modern and effective legislative and organisational framework for SWM;
2. Strong implementing institutions;
3. Effective and environmentally safe management of SW services;
4. Financial sustainability and efficiency of SWM services and activities;
5. Promote participation of the private sector in SWM;
6. Promote community participation and public awareness and involvement in SW sector;
7. Effective information and monitoring systems
| Objective                                      | Status in 2017 | Status in 2022 | 2020                                                                 | 2021                                                                 | 2022 and Beyond                                                                 |
|-----------------------------------------------|----------------|----------------|---------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------|                                                                                       |
| Coverage of residential areas                 | 95%            | 100%           | • Expansion of the existing optimized routing system including the provision of waste bins. | • Effective information and Monitoring System.                      | • Replacement of the service of the local LGU by JSC service (Target coverage 100%) |
| Service coverage by JSCs                      | 76.00%         | 100%           | • Optimization the routing system of JSC vehicles taking into account the new imported collection vehicles to be in service by 2019 (target coverage 80%). | • Evaluation of the tariff system to ensure the cost recovery.       | • Replace the service of the local LGU by JSC service (Target coverage 100%)                |
| House separation of SW                        | 0%             | 20%            | • Design of the awareness campaign (Cooperation between Public sector, civil society, and academia). | • Pilot the sort separation at source, incentives to be given for committed people. | • Implement the awareness campaign in the pilot area.                            |
| Percentage of recycled materials              | < 1%           | 30%            | • Rehabilitate the existing sorting facility in Rafah to be able to receive 30 ton/day by NGO, the facility should include all the required equipment to recycle the plastic, glass, tin cans, paper and cardboard, and food waste (compost) | • Building a new sorting facility for Middle area and Khan Younis Governorates (in Sofa Landfill) to be able to receive 100 ton/day and operated by JSC. | • Expand the project (aim: 20% separation)                                                  |
| Percentage of transferring organic materials (compost) | 2.5%         | 15%            | • The new sanitary landfill is in service this month (June 2019), Bylaw from EQA to prevent creating any random dumpsites. | • Composting of organic materials (compost) (%)                      |                                                                                      |

**Solid Waste in Gaza**

- **Coverage of residential areas**: 2017 (actual): 95%, 2022 (target): 100%
- **Coverage by JSCs**: 2017 (actual): 76.00%, 2022 (target): 100%
- **House separation of SW**: 2017 (actual): 0%, 2022 (target): 20%
- **Materials recycling (%)**: 2017 (actual): 0%, 2022 (target): 30%
- **Composting organic materials (%)**: 2017 (actual): 2.5%, 2022 (target): 15%
- **Coverage of sanitary landfills**: 2017 (actual): 53%, 2022 (target): 100%

**GAZA ACTIONS AND MILESTONES**
Opportunities and Barriers to Implementation

Opportunities:

1. Construction of the infrastructure of the SWM (Sofa landfill and two TS);
2. The previous small scale experience of sorting the waste in Gaza succeeded during the pilot period;
3. The existing Joint Service Council represents regional cooperation model;
4. Using MDP incentives based grant mechanism to ensure commitment of municipalities.

Barriers:

1. Political and economic uncertainty;
2. Resistance to change and lack of cooperation;
Technical Support Needed

- Legal, policy and institutional framework assessment and recommendations for Integrated SWM
- Technical Assistance in to develop public awareness campaigns on SWM
- Support to prepare feasibility studies for waste recovery options
- Provide advanced on-job training to SW staff (Leachate management, gas extraction, etc.)