Solid waste management initiatives, the role of MedCities

Challenges and trends in solid waste management in Mediterranean cities

Tripoli, 7th November 2017

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Structure of the Presentation

1. Challenges of Waste Management in the Mediterranean
   - Challenges related to the management of the service
   - Challenges related to the governance of waste
   - Challenges related to reducing environmental impact / valorisation

2. The role of MedCities in accompanying its members in waste management initiatives
   - Implementation of short scale Projects for dealing with these challenges
   - Technical Assistance and Bilateral exchanges
   - Seminar and knowledge sharing events
   - Assistance in seeking funding for larger scale projects

3. Municipal solid waste projects implemented by MedCities
   - GeDeTun – Gestion Déchets en Tunisie
   - COOP-VERD Coopération pour la valorisation de l’emploi, du recyclage et des déchets
   - Improved Solid Waste Management in Al Fayhaa (ISWMF)

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1. Challenges of Waste Management in the Mediterranean

A) Challenges related to the management of the service:

- Emergency management vs. service planning and control
- Lack of control over HR
- Lack of control over the equipment (closed dumps)
- Little attention to the maintenance and handling of the fleet / containers - changes very often
- Bad management carries many environmental problems that generate rejection of the population in everything related to waste (either container or landfill). Problems of governance with the citizens
B) Challenges related to the governance of waste:

- **Little coordination** with national agencies

- **Lack of** shared strategy and **planning** of equipment with a territorial vision and solution of existing problems before making qualitative jumps (incinerator vs TMB etc.)

- "Solutions" imposed from above, often expensive, without a critical analysis (see semi-buried containers)
C) Environmental challenges / valorisation:

- **Large infrastructures** that cause many environmental problems (full landfills, by the coast, uncontrolled landfills without any treatment)

- **The recovery of waste** (especially plastic) and therefore the selective collection

- Separation of the **organic fraction** (very present in the garbage bag and which complicates the management and valorisation)
2. MedCities role in accompanying its members in SWM initiatives

Activities carried out in 2017:

Implementation of short scale Projects for dealing with these challenges:
- GeDeTun
- COOP-VERD:

Technical Assistance and Bilateral exchanges:
- Al Fayhaa visit to Barcelona
- Nabeul, Bizerte and Oran exchanges
- AMB support to Kairouan and Bizerte

Seminar and knowledge sharing events:
- Seminar in Bizerte with Tunisian and Moroccan cities
- Today’s seminar:

Assistance in seeking funding for larger scale projects
- ISWM Al Fayhaa

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2. MedCities role in accompanying its members in SWM initiatives

- Implementation of short scale projects dealing with abovementioned challenges

Waste-pickers improvement conditions project in Nabeul (COOP-VERD Project)

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2. MedCities role in accompanying its members in SWM initiatives

-Technical Assistance and bilateral exchanges

Technical visit of UC Al Fayhaa in Catalonia (ISWMF Project)
2. MedCities role in accompanying its members in SWM initiatives

-Seminars and knowledge sharing events

2. MedCities role in accompanying its members in SWM initiatives

- Assistance in seeking funding for larger scale projects

MedCities and membre cities working together in the definition of a waste management project.

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3. Municipal solid waste projects implemented by MedCities

**COOP-VERD Coopération pour la valorisation de l’emploi, du recyclage et des déchets**

1. Socio-economic analysis of the waste picking activity and mobilization of actors and linkage with economic opportunities from plastic valorisation (value chain)

2. Preparation and equipment of a ECOPOINT for plastic collection, stockage, pressing and baling to be managed initially by a local Association and after that by the Association of the waste pickers

3. Hygiene and Security at work workshops, Vaccination campaigns with the waste pickers, uniforms provided by the project

4. 30 plastic collection “bins” (cages) to be located in the neighbourhood
3. Municipal solid waste projects implemented by MedCities

**GeDeTUN – Gestion des déchets en Tunisie. (Kairouan)**

1. Study of optimization of waste collection routes, which includes the final generation of a GIS system for optimized routes. The study is still in the process of being carried out, but the acquisition of material was already being carried out to reinforce the coverage of the collection of waste in the city, through the purchase of containers of 770 liters.

2. Implementation of a door-to-door collection system in the social district of Menchia, including the elimination of the existing black spot and its transformation into public and green spaces.

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3. Municipal solid waste projects implemented by MedCities

GeDeTUN – Gestion des déchets en Tunisie. (Bizerte)

1. Start-up of a new door-to-door collection system in one district and extension of the current system in the adjacent neighbourhood.

2. Technical accompaniment for the definition of a new collection system through semi-underground containers.

3. Currently: Technical accompaniment for the definition of a cartographic waste management system (GIS).
3. Municipal solid waste projects implemented by MedCities

**Improved Solid Waste Management in Al Fayhaa (ISWMF)**

1. MedCities role linked to follow-up of the implementation.

2. Initial role in putting actors together and defining the actions to be implemented.

3. Through Medcities, the project has scaled-up to achieve larger impact.

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Thanks for your attention!

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