

INTERNATIONAL SEMINAR

**«Challenges and trends in solid waste management
in Mediterranean cities»**

Tripoli, 7th November 2017



**Role of the UNDP
in Solid Waste Management
in North Lebanon
& Akkar Governorates
by Mr Alain Chatry, Area Manager of UNDP
in the North of Lebanon**

Coordination

Solid Waste Management – North Coordination

Solid Waste Management – Taskforce

- The conflict in Syria has significantly impacted Lebanon's infrastructure and overstretched its resources and services. **Solid Waste management** is one of the services that needs further attention and is considered **under the Social Stability Sector strategy of the LCRP 2017-2020**.
- **UNDP is the lead of the Social Stability sector**, under LCRP, thus coordinates all its activities with active partners and relevant stakeholders in the field.
- In the North, it was agreed to create a **Solid Waste Management Task Force (SWM-TF)** to provide a coordination platform for SWM between the Water, SoSt sectors, OMSAR and the different other stakeholders.
- This **Taskforce is co-led by UNDP, UNICEF and ACTED**; and meets on a quarterly basis.

Solid Waste Management – North Coordination

Solid Waste Management – Taskforce

Taskforce main Objectives:

1. To **map and create an overview of all projects** in Akkar and the North being completed, on-going or planned by international & local NGOs.
2. To map, consolidate and share relevant **studies, strategies, policies** and other information with taskforce members and other stakeholders.
3. To coordinate the SWM-activities between NGOs, UN agencies & other stakeholders to avoid unnecessary **duplication**, identify **key priorities** and **liaise with relevant governmental bodies and other institutions**.
4. To ensure **alignment of SWM with ministerial guidelines and decisions** and further develop technical guidelines on SWM for Akkar and the North in coordination with relevant stakeholders whenever necessary.
5. To ensure **proper reporting** of Solid Waste activities by all partners on the Social Stability reporting database at Activity info

Solid Waste Management – North Coordination

Inter-Agency Secretariat's coordination with the North Governorate office

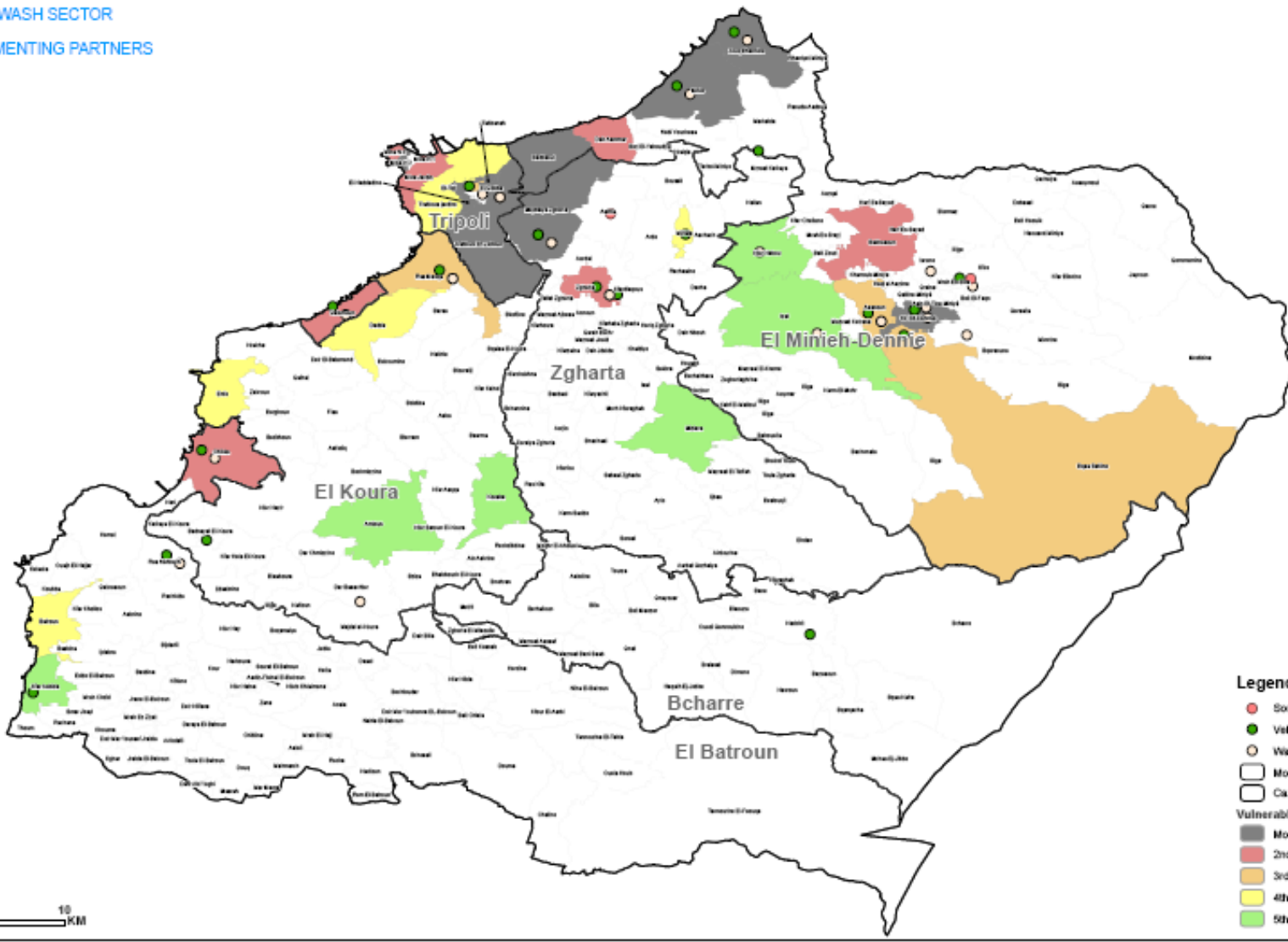
- As part of the Inter-Agency secretariat's coordination role with the local authorities, a bi-monthly meeting is being organized between the IA secretariat (UNDP, UNHCR and MoSA) with the governorates' office.
- Solid Waste Management has been identified as a key area of focus.
- MoIM representative playing an active role in the SWM-TF.
- IA secretariat, SWM-TF, MoIM (governor's office), identifying key priorities for action.

Map of SWM interventions in the north (2013-2016)

DATA FROM NORTH WASH SECTOR



- 9 IMPLEMENTING PARTNERS



- Legend**
- Sorting Project
 - Vehicle
 - Waste Bin
 - Mohafaza/Governorate
 - Caza/District
- Vulnerable Localities**
- Most Vulnerable Localities
 - 2nd Most Vulnerable Localities
 - 3rd Most Vulnerable Localities
 - 4th Most Vulnerable Localities
 - 5th Most Vulnerable Localities



Projects Implementation

Brief on Implemented,
Ongoing
And Planned Interventions in the North
In the SWM
Sector

Project Title: Improvement Of The Solid Waste Management In Minnieh

Location: Minnieh

Donor: UK-DFID

Period: 2015-2016

Governmental Partner: OMSAR

Brief: Equip the Solid Waste Management Facility in Al Minnieh located in Minnieh/Dannieh, specifically the sorting and composting unit, with 3 machines- the Trommel screen, Compost turning machine and the Compost refining screen.

In addition to the Provision of 400 garbage bins of 1,000 liters each and 2,500 garbage bins of 240 liters each to Minnieh Municipality that were distributed and placed in the most crowded areas of the village to alleviate the pollution and diseases factors.

One truck for garbage collection with 10 tons capacity equipped with a crane was provided to the municipality.

All within the scope of solid waste management and linked to the sorting facility.

Project Title: Enhance Solid Waste Collection in Deir Ammar Municipality

Location: Deir Ammar

Donor: UK-DFID

Period: 2015-2016

Brief: Provision of Tipper Truck and garbage bins to Deir Amar Municipality and linking them to the sorting facility in the Union.

Project Title: Improved Solid Waste Management in Al Fayhaa - ISWWMF

Location: Union Communities of Al Fayhaa-UCF

Donors: Catalan Government, Municipality of Barcelona, Metropolitan Area of Barcelona, Diputació de Barcelona and Catalan Fund for Development Cooperation

Period: 2016-2018

Brief: Capacity of Al Fayhaa Union of Municipalities strengthened in waste management through innovative solutions;

Mainly, through Solid Waste Management Operations Plans Development and Awareness Campaigns;

There will be implementation of 4 Pilot Projects in 4 areas of the Union (Tripoli, El Mina, Beddawi and Qalamoun) in addition to exchange of knowledge and expertise with the Catalan Cooperation Partners, the funding partners of this intervention.

The Project as well consist of procurement of relevant machineries and supplies to the Pilot Project to apply Sorting at the Source in order to better serve the Sorting Facility currently in place.

Project Title: Improve the Solid Waste Management in Chekka

Location: Chekka

Donor: UK-DFID

Period: 2017-2018

Brief: The project consists of providing the municipality of Chekka with a collection truck equipped with automated tipper, skid steer loader equipped with a sweeper, and a number of bins with varied capacities (plastic + metal), and a bailing machine.

In addition to that, the municipality is willing to launch a sorting from source campaign initiative (conducted in schools) and promote it among the inhabitants.

This will be done by conducting awareness sessions among the community in partnership with a third party through the municipality's support.

Project Title: Improve the Solid Waste Management in Herri

Location: Herri

Donor: UK-DFID

Period: 2017-2018

Brief: The project consists of providing the municipality of Herri with a garbage collection truck with a load capacity of 4 tons and equipped with automatic tipper, a skid steer loader equipped with sweeper, truck equipped with a water tank of 5000L capacity, and a number of bins (metallic- 2 different colors).

In addition, and as in the case of Chekka, the municipality is willing to launch a sorting from source campaign initiative (conducted in schools) and promote it among the inhabitants.

This will be done by conducting awareness sessions among the community in partnership with a third party through the municipality's support.

Project Title: Improve the Solid Waste Management in Zouq Bhannine

Location: Zouq Bhannine

Donor: Netherlands

Period: 2017-2018

Brief: The project entails of the following:

Assess the sector and elaborate a feasible management plan

Providing the equipment recommended as result of the assessment and that is: garbage truck (with compactor), a Skid steer loader equipped with a sweeper and 500 metallic bins.

Moreover, the municipality is willing to duplicate the sorting from source campaign initiative (conducted in schools) and promote it among the inhabitants of the town and to link it to the Minnieh union sorting plant.

This will be done in partnership with the partners (VNGI).

Project Title: Improve the Solid Waste Management in Bakhoun

Location: Bakhoun

Donor: Netherlands

Period: 2017-2018

Brief: The project entails of the following:

Assess the sector and elaborate a feasible management plan

Providing the equipment recommended as result of the assessment and that is: garbage truck (with compactor), a Skid steer loader equipped with a sweeper and metallic bins.

Moreover, the municipality is willing to duplicate the sorting from source campaign initiative and promote it among the inhabitants of the town.

This will be done in partnership with the partners (VNGI).

Project Title: Equipping And Operating A Non-organic Waste Sorting Facility In Koura

Location: Koura Cluster- 8 Municipalities: Enfeh, Fih, Betroumin, Nakhleh, Btouratij, Kfar Qahel, Qalhat and Zakroun

Donor: UK-DFID

Period: 2017-2018

Brief: The project consists of establishing a non- organic sorting facility, to be able to regroup and pack the recyclables and sell them, through the following activities:

- Constructing a hangar equipped with specific trommel to sort the non-organic waste by kind and size;
- Installing a conveyor to allow the manual sorting;
- Equipping the facility with baling machines to be able to pack the sorted recyclable items;

- Equip the cluster with 2 trucks to support, accelerate and reduce the cost of the collection process;
- Equip the cluster with a skid steer loader to ease the transportation of sorted waste within the facility from one unit to the other;
- Distribute 2 colours bins to start the basic sorting at household level;
- Create the network between the facility and the companies who buy the produced recyclables;
- Raise the awareness about the sorting from source and the sustainable environment.

Thank You..

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