

International Conference

“Contribution of sound waste management systems to sustainable tourism and the protection of marine ecosystems”

Contribution of TouMaLi for sound waste management systems and sustainable tourism; 11/10/2022

Dr Gasser E. Hassan, Local Project Manager, TouMaLi AASTMT

Mr. Ahmed Tawfik, R&D Manager, Nahdet Misr Co.

Alexandria Waste Management System & TouMaLi Company Egypt – An organizational approach towards more sustainable Tourism

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• Evaluation and identification of pilot areas

Alexandria is selected to be the pilot area (the **most populated city on the Mediterranean** (about 6 Millions) with high rate of **local and international tourism activities**).

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	Criteria	Weighting	Egypt				
			Alexandria	Masrsa Matrooh	Port Said	Hurgada	Sharm Elshikh
General:	coastal tourism area		3	3	3	3	3
	located at the Mediterranean Sea		3	3	3	1	1
	at least 15-20 hotels		3	3	2	3	3
	accessibility (international airport and car rental		3	2	1	3	3
	Urgency - relevant plastic pollution		3	2	2	2	2
	Data availability		2	2	2	3	2
	Feasibility		3	2	3	2	2
	Representativity		3	2	2	2	2
	availability of local stakeholders		3	3	3	3	3
	well accessible sand beaches (min. 2 km)		3	3	2	3	3
	rural/remote beach close by (20-30 km)		3	3	2	3	3
	sport boat marina		3	3	3	3	3
	temporary beach wrack accumulation		3	3	2	3	2
	cooperation with existing waste management sector		2	2	2	3	2
Knockout:	local partner support		3	2	3	2	1
	governmental/ministry support		3	3	3	3	3
	municipality support		3	3	3	3	3
	community support		3	3	3	3	3
	Hotel association support		3	2	2	3	3
	hotel support		3	3	3	3	3
	all aspects in one site		3	2	3	2	2
	mitigation measures implemented for 1 year and beyond		2	2	2	2	2
Welcome:	nature protected or enclosed sea areas (e.g. lagoons)		3	3	3	3	3
	defined, identifiable and accessible pathways (rivers, waste water outlets)		3	2	3	1	1
	previous monitoring prorgams		2	1	1	3	2
Total Score:			71	62	61	65	60

Inclusion of Nahdet Misr Co. (Waste Management Co. in Alexandria) as a main partner in TouMaLi

MOU has been signed between AASTMT and Nahdet Misr Company as the waste management company in Alexandria and TouMaLi is one of the main parts of this MOU



Company Establishment

- *The idea is approved between the AASTMT and Nahdet Misr Co. during the signature of the MOU.*
- *A meeting is held at Nahdet Misr Headquarter in Alexandria on 31st March 2022*

Attendee:

- Dr Abdullah Nasour
- Dr Matias
- Dr. Christophe Pautrat
- Mr. Spastian
- Mr. Ahmed Tawfiq
- Prof. Alaa Abdel-Bary
- Dr Gasser E. Hassan



Main points discussed:

Paper work, Business model and feasibility study should be started as soon as possible as a preparation for company formal announcement during the TouMali conference, Oct 2022, Alexandria.

Site Visit NAHDET Misr Alexandria May 2022



Sorting of Hotels/ Beaches waste NAHDET Misr Alexandria Sep 2022



Data collection for Waste Composition in the pilot Area Alexandria Hotels / Beaches

Collection is done from 5 Hotels for 4 days

Total average amount received 1200 kg/day

Sampling size (average) 520 kg/day

Physical Composition:

Average Recyclables = 19%

Classification		Average Composition
1	Ferrous metals	1%
2	Non-ferrous metals	1%
3	Paper/Cardboard	5%
4	Glass	2%
5	Plastic Packaging	10%
6	Other plastics (no packaging)	0%
7	Organics	54%
8	Wood	0%
9	Clothing textiles	0%
10	Minerals	0%
11	Composite Waste	0%
12	Hazardous Materials	0%
13	Residues (Rubber-leather-Hygiene) (RDF)	26%
Total		100%

Data collection for Waste Composition in the pilot Area Alexandria Hotels / Beaches

Collection is done from Beaches (at the gate) for 4 days

Total average amount received 1000 kg/day

Sampling size (average) 350 kg/day

Physical Composition:

Average Recyclables = 4 %

Classification		Average Composition
1	Ferrous metals	0%
2	Non-ferrous metals	0%
3	Paper/Cardboard	1%
4	Glass	1%
5	Plastic Packaging	2%
6	Other plastics (no packaging)	0%
7	Organics	13%
8	Wood	0%
9	Clothing textiles	1%
10	Minerals	0%
11	Composite Waste	0%
12	Hazardous Materials	0%
13	Residues (Rubber-leather-Hygiene) (Land fill reject)	82%
Total		100%

Thank You for your attention