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Supporting municipalities hosting Syrian refugees though improving waste management systems in Lebanon



This project is funded
by the European Union



ACTED



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Introduction to arcenciel

- Non-profit, non profit making, non confessional
- Founded in 1985
- Recognized as a public utility since 1995
- To participate to society's sustainable development by supporting fragilized groups and integrating marginalized people



**THIS HAS BECOME
LEBANON'S
POSTAL CARD**





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Statement

Acute crisis linked to waste management and landfill saturation

Air, water and soil waste pollution





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Statement

- Population density and increasing pressure on natural resources
- Syrian refugee crisis and increase in the generation of waste
- Sense of frustration among municipalities, especially since they lack the capacity to provide basic services to their local communities
- All international assistance focusing on supporting refugees abandoning the host communities
- Significant tensions between host communities and refugees





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Statement

- Religious and political heterogeneity





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Statement

- Lack adequate & well-operated infrastructure for waste management and disposal.
- Disastrous experiences in the incineration and control of emissions in other sectors
- Real estate impact
- «Not In-My-Back-Yard» (NIMBY) syndrome scarcity of available spaces for landfills and waste management centers





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Statement

- Lack of financial means from the government and individuals
- Lack of technical and financial capacities within municipalities to ensure appropriate access to waste management services



Statement

- An often inadequate and incomplete legislation
- Lack of a clear and declared national policy
- Lack of coordination between different actors



Statement

- Other priorities such as security, food, education; the environment is left behind
- Climate change
- Lack of civism, trust, information, and motivation



Statement

29%
in non controlled
landfills

48%
in controlled
landfills

23%
Only are
recycled or
composted

Source : Country report on the solid waste management in Lebanon, Sweepnet, April 2014

80% can currently be recycled, composted or methanized, generating economic opportunities while preserving the environment

The current situation is not sustainable

- Limited service life of landfills
- Limited natural resources
- Important flow of greenhouse gases



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Through the project “sorting and recycling in organizations and municipalities” in partnership with Agence Française de Développement (AFD)

PILOT PROJECTS



- Support to municipalities in hosting refugees in improving their waste management system
- Support to municipalities of Mont Lebanon, most affected by the closure of Naameh landfill
- Creation of 3 centers for the waste preparation to recycling : one in Taanayel, one in Baabda, and one in Damour
- Development of a recyclable waste management collection network
- Recycling of more than 10 Tons/day of waste, coming from more than 600 organizations and 13 municipalities
- Integration and creation of work opportunities for refugees
- Development of a waste management guide for municipalities



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The situation of domestic waste in Lebanon





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Through the project “Strengthening Youth and Female Leadership in Local and National Decision-Making Processes in 3 MENA Countries”, funded by EU, in partnership with **ACTED**

PILOT PROJECTS

- TOT sessions for youth and women focusing on communication, awareness campaigns, advocacy and project management related to waste management
- Advocacy meetings with officials from the municipalities to come up with a quick plan to get out of the crisis.
- Conduction of awareness campaigns within their community, including door to door approaches and events, in order to introduce the sustainable waste management solution and spread the message of the importance of sorting at source and recycling and start the sorting process in homes, schools and companies.





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The situation of domestic waste in Lebanon



Ever wondered what happens to all recyclables once taken to recycling plants?



Plastic bottles

By recycling me, i can become

A bench



A bin



A ski jacket



Metal tins & cans

By recycling me, i can become

A bicycle



Aeon



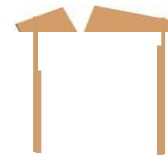
A car



Paper & cardboard

By recycling me, i can become

A cardboard box



Toilet paper



A paper





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Do's & don'ts

Plastic

Water bottles



Detergents and
shampoos

Soda and
juice

bottles

Plastic cups

Plastic plates



Nylon bags

Metal

Metal caps

All kinds of metal

Dirty
aluminium

Aluminium
bags (potato
chips)

Paper

Newspapers,
magazines



Papers

Cardboard
boxes



Dirty papers
and boxes



Tetra pak
packages
(milk & juice)



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The 3Rs Concept

Reduce, Reuse, Recycle

R Changing production/consumption habits
Reducing consumption of natural resources

R Giving waste a second life/ a new usage
reducing garbage volume

R Reintroducing into the production cycle
materials contained in the
manufactured product



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Involvement of refugees

PILOT PROJECTS





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Recruitment of refugees

PILOT PROJECTS





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Taanayel sorting station





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Taanayel sorting Station

