



**EU funds an Environmental project: Decentralized Composting in Small Towns (DECOST) for Jordan University of Science and Technology (JUST) with a budget of 800,000 Euros  
Funded by EU-ENI CBC MED: A\_B4.2\_0095  
Director of the project: Prof. Munir Rusan**

<b>Title:</b>	<b>Decentralized Composting in Small Towns</b>
Acronym:	DECOST
Duration:	36 months
Budget:	800,000 Euros
Funded by:	Europe Union – ENI program
Beneficiary:	Al-Sarow Municipality – Bani Kenanah – Irbid - Jordan

**DECOST project aims to:**

1. Develop new framework of waste management building a closed loop system of organic waste valorization integrating decentralized Home and Community Composting systems with Urban Agriculture
2. Reduce organic waste generation at the source (House level)
3. Composting organic wastes based on Home and Community Composting system (H&CC)
4. Integrate H&CC with Urban Agriculture, through utilization of organic fertilizers produced by composting in enhancing soil productivity
5. Increase environmental awareness of the family members, local communities and government and non -government institutions on the importance of waste management at the house level
6. Promote the concept of home composting which not yet practiced in Jordan (In most Europe cities about 50-60% of the organic waste is composted at the house level)

Organic waste can be composted under aerobic condition to produce a useful organic fertilizer (Compost), which is very beneficial to soil fertility and productivity. SAucxh composting can be implemented at the level of houses and small communities where it is called decentralized composting. Decentralized composting would address the lack of recycling organic wastes and be a source of livelihood. Compost produced from organic waste can then be used by local tree nurseries, small household gardens and orchards.

Solid waste recycling can be a valuable resource, contributing to generated income in marginal communities as well as in high-income communities. The public perception of solid waste issues is very important to have proper handling and management of solid waste. Public participation and willingness towards solid waste management are key issues to have successful integrated

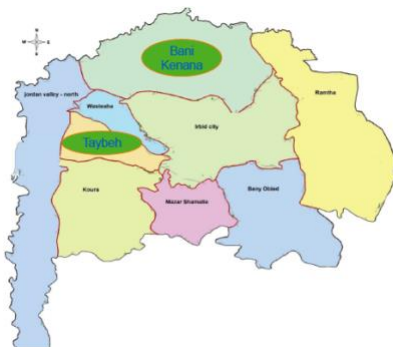
solid waste management.

These objectives can only be achieved by using a people-centered approach, empowering civil society and increasing institutional capacity building. DECOST is based on the participation of a wide range of actors (Waste Agencies, Municipalities and Research Centers) of 6 different countries (3 European and 3 non-European countries) resulting in an international partnership that brings different backgrounds and expertise and are directly engaged in the local governance processes.

In Jordan, a pilot project will be implemented at AL-Sarow Municipality area where home and community composting sites will be established. In these sites, The following will be distributed to of the 100 houses at Al-Sarow Municipality area: 100 composting bins, 100 temperature meters, 100 moisture meters, 100 shredders, 100 Mixers and pH meters

Family members will be trained on how to do the composting of organic wastes generated in their houses and production organic fertilizers. They will also be trained on how to monitor the composting process thorough monitoring temperature, moisture , pH and other qualitative characteristics of compost. When compost is produced, an irrigation system will be installed for each house to serve their gardens and to use the produced compost for enhancing soil fertility and productivity. Training workshop will be conducted for the local community, schools, and other NGOs in the local community about the importance of home composting

## AL-Sarow Municipality:



Al-Sarow municipality is located Bani Kenana District area within the Irbid Governorate. **The rate of solid waste generation in Al-Sarow municipality is 15 tons/day, where organic fraction account for 50 - 60% .**

**The waste is collected using 1 m<sup>3</sup> containers and transported** without no separation at points of generation to AL-Akaider landfill, **which is** located at 50 km from Al-Sarow Municipality area **by the Municipality.**