

Compost project Egypt

1

In this project methane emissions are avoided, by composting organic waste. Standards and techniques have been developed to produce high quality compost out of waste, suitable for organic and conventional farming. Through an Egyptian agricultural producing facility (Libra/Sekem), controlled microbial compost (CMC) is produced. The agricultural waste is obtained from farms, animal husbandry industries, municipalities as well as private and public organizations.

Background

In Egypt the most common practice for disposing agricultural waste is by dumping it at municipal waste sites, dumping it in the desert or by simply burning it. The agricultural waste is organic consisting of wood, straw, coffee residues, fresh green material and manure. The problem with dumping is that the organic waste decomposes anaerobically, leading to methane emissions into the atmosphere, which is a very potent Greenhouse Gas

Sustainable development

- The soil fertility of the degraded desert soil is improved sustainably without exposing people and nature to chemicals
- A substantial amount of the returns are re-invested into kindergartens, schools, advance training, medical healthcare, and handicapped training
- The water holding capacity of the soil is improved by up to 70%, which means more effective use of irrigation water (crucial in a desert environment)
- In addition around 100 workers are employed at the project site



Additionality

With the help of carbon financing there is now the incentive for not dumping the waste. In effect, agricultural waste is not worthless waste anymore, but a waste with monetary value!



Key facts about the Project

| | |
|-------------------------|--|
| Name: | Libra/Sekem Composting Project |
| Type: | Methane production avoidance from biomass decay through composting |
| Location: | Sekem Farm, near Sharkia, Egypt |
| Emission reductions: | 60,000 tCO ₂ / y |
| Status: | Operational |
| Start: | January 2007 |
| Standard: | CDM |
| Type of credits: | VERs |
| Validator: | Tuev Nord |
| VERs contracted by CNG: | 60,000 / year |
| Portfolio | 2007/08/09 |