

A Follow-up Seminar on KITAQ System Composting in Asia

Solid Waste Management Project, Republic of Perú

Ministry of Environment
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Introduction

"The status of management of solid waste is critical"

Causes: Population growth, inadequate consumption habits, migration and trade flows disordered unsustainable.

Population: 2,834,639

Waste generation per capita average: 0,602 kg per capita / day.

Total solid municipal waste 17201 tn/day.

Scope (from total generation)

50% Organic waste

26% Landfill

15% Reuse, this takes place during the collection and disposal, mostly informally.

Cost service

Ranging from S/. 0.34 and S / 12.33 per household / month.
Average non-payment 67%.



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Policy towards implementation 3Rs

- Law N° 27314, General Law on Solid Waste, Article 10
Municipalities progressively implemented programs segregation at the source of solid waste.
- "National Environmental Action Plan-PLANAA 2011-2021" approved by SD 014-2011-MINAM, contains environmental priority goals for the next 10 years, which sets national targets of 60% recycling and 70% coverage of safe disposal of municipal solid waste by 2017 and by 2021 100% in both strategic actions.
- Additional Resources for municipalities that implement a program segregation at source and separate collection of solid waste, approved by Supreme Decree 004-2012-EF, Ministry of Economy and Finance.



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Project

It covers 31 cities in 16 regions of Perú, which gives the program nationally representative

National Reach

Selected Cities



▲ JICA (23)

- Tumbes
- Piura
- Sullana
- Talara
- Paíta
- Sechura
- Puno
- Juliaca
- Azangaro
- Ilave
- Abancay
- Puerto Maldonado
- Huánuco
- Moyobamba
- Tarapoto
- Chíncha
- Huacho
- Nuevo Chimbote
- Ferreñafe
- Tarma
- Chachapoyas
- Santiago
- Ayмараes

▲ BID (08)

- Bagua
- San Juan Bautista
- Oxapampa
- Pozuzo
- Huamanga
- Andahuaylas
- Yauyos
- Chancay



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Project

Description

The Project considers the following components: storage and sweeping, collection and transportation, reuse, disposal, administrative and financial management and practices aimed at the population.

Reuse

Composting plants

Initially will treat waste from markets
Use Mini wheel loader, treat more than 7tn/day will use vibrating screens
Construction; year 2 or year 5

Separation of recoverable materials plant

Sizing subject to receiving (20%, 40% and 60% of waste) according large, medium and small cities.

The operation of these plants is manual

Construction; year 0

Both, two-year pilot phase

Lessons learned

Success factors in promoting sustainable composting programs (SCP):

- Market for final product
 - Product Quality
 - Communication and information campaigns
- ### Barriers and challenges in promoting SCP
- Lengthy processing
 - Unpleasant odors
 - Partial subsidy
 - Mixed solid waste



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Conclusions and Recommendations

- The project will ensure the proper management of solid waste, improving environmental quality and reducing the risks of health on population, promoting the sustainable development process in the country.
- The project involves the integrated management of solid waste that is applied to all stages of handling solid waste from its generation, based on environmental health criteria and technical and economic feasibility for source reduction, recycling and disposal of solid waste.
- Key factors in composting: Planning and financial management, selective collection and plan communication and information.



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