

CCAC MSW Cotonou Action Plan

Objective: To initiate cooperation that promotes short-lived climate pollutant (SLCP) mitigation in waste management activities within CCAC partner cities.

Purpose: Understanding that CCAC partner cities have a broad range of experiences and differing levels of familiarity with waste activities focused on SLCP mitigation, this “City Action Plan” is designed to highlight key steps for development of these projects. While some cities may wish to use this form to develop a plan for addressing projects that have already been identified, other cities may wish to use this form to develop a more comprehensive strategy that would help provide direction on specific activities.

This exercise should help organize our thoughts on main priorities, stakeholders, processes, and resources needed for implementing waste sector SLCP projects. It will also help identify how the CCAC can help advance these projects in a targeted way. While considering these key issues, we can all think strategically about those actions that are within the purview of cities, those that require the involvement of external authorities (state, regional, national), as well as those challenges that may require engagement with other stakeholders.

Summary of City Assessment Results

Gevalor worked collaboratively with the City of Cotonou and its technical services, as well as with the Ministry of Environment, and number of waste management stakeholders in order to better understand waste management stakes and organization.

Some figures are inaccurate or missing, such as the real amount of waste produced in the city – the real amount of pre-collected waste – the waste characterization but the collected figures are still interesting and.

Collected figures:

- 600 thousands inhabitants but daytime population doubled.
- 720 thousand tons waste generated per year
- 900 000 tons of waste buried in 2014
- Hardly no recycling / valorization
- 1000 waste pickers on the open dump
- Around 15 million euros paid for collection and final disposal.

Proposed activities under the CCAC MSW Initiative

Project/program/policy of interest to the city

In collaboration with the city of Cotonou and the Ministry of Environment, Gevalor identified the following topics as potential areas for engagement with the CCAC. Topic areas require further discussion and vetting with the CCAC and Cotonou.

1. *Global strategy: Waste Management Master Plan*

Project/Program: Provide the City of Cotonou with a global waste management Master Plan

SLCP Impact: Global impact on all SLCP's / No direct impact on SLCP's though with a global strategy on waste management, SLCP's will be reduced.

Technical Assistance Sought:

- Support on writing a Master Plan, this support should be provided by someone able to work collaboratively with the technical services of the municipality and bring them to draft the plan, and not impose it.

2. Ouesses dump: landfill gas recuperation

Project/Program: Mitigation of methane emission from the first closed cell in Ouesse.

SLCP Impact:

- Methane production by anaerobic decomposition of organics

Technical Assistance Sought:

- Feasibility study
- Building the technical staff capacity
- Technical assistance for the implementation OR assistance to write the project and look for fundings.

The technical assistance provided could consist of municipal staff capacity building on landfill recuperation

3. Organic waste valorization

Project/Programme: Start organic waste valorization.

SLCP Impact: Organic waste emit methane while decomposing anaerobically. The transportation of waste to the dump creates black carbon.

Technical Assistance Sought:

- Waste characterization
- Study to determine the best financial / technical / social valorization (AD / composting).

The technical assistance provided would consist on carrying a waste characterization at the landfill level and a study on the evaluation of the best organic waste valorization.

Knowledge sharing, Networking, and City-to-City Exchanges

Interested in learning about:

- How to inform / raise population awareness on waste management.
- Best practices sharing on pre-collection management

Interested in sharing information on:

- Landfill conception

Roles and Responsibilities

The technical services of Cotonou are in charge to implement solutions.
Gevalor can help provide technical assistance.

Next Steps

[Indicate level of endorsement required within your city, a brief implementation roadmap, describe collaboration with other partners needed, etc.]

Discussion with CCAC and Cotonou on the different studies to be carried.

Eventually cooperation between Cotonou and Gevalor to write the Master Plan.

Overall experience

[Talk about your overall experience so far in participating in the CCAC MSW Initiative, areas of improvement, quality of cooperation, etc.]