

A NAMA FOR SOLID WASTE IN MEXICO

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NAMAS IN MEXICO



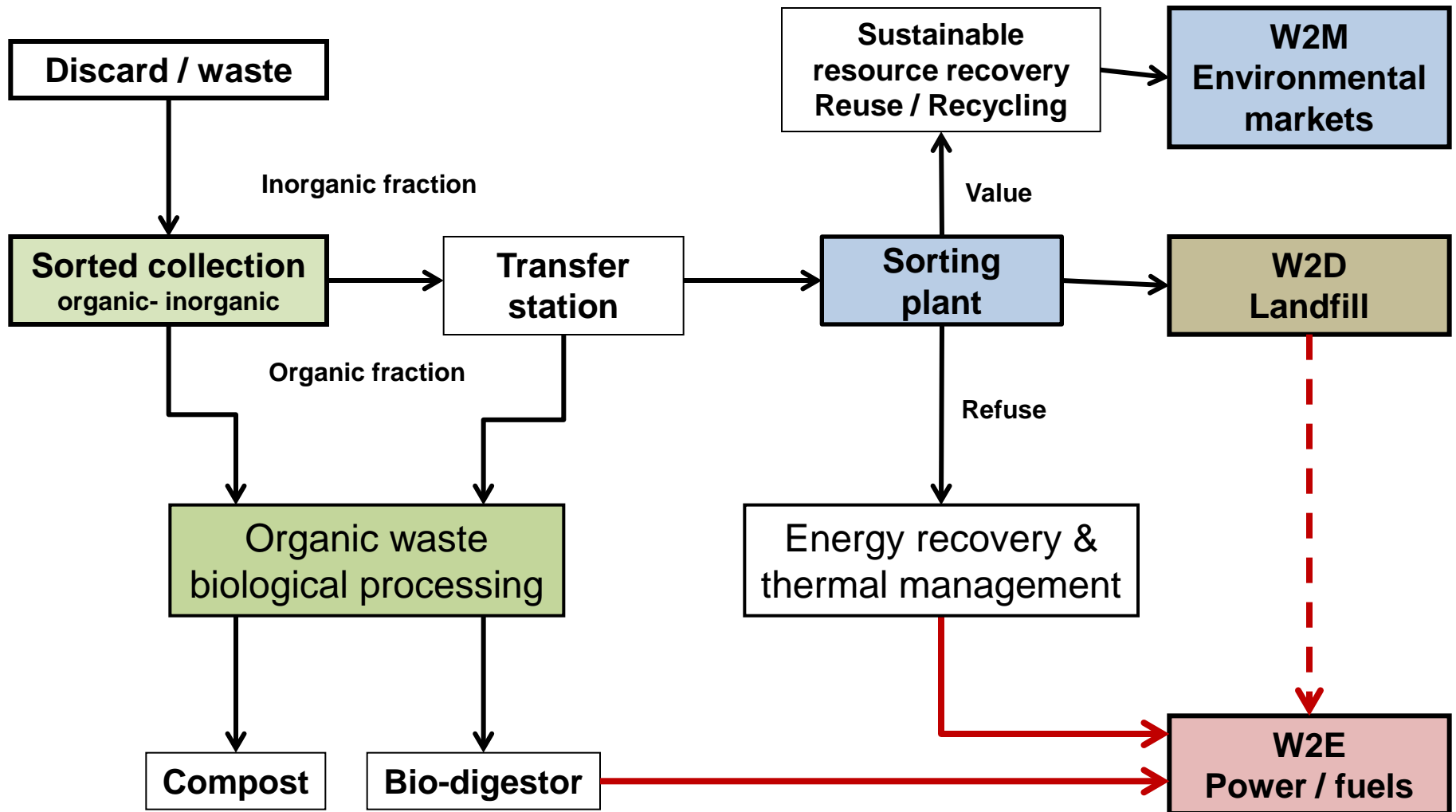
- ✓ NAMAs have been conceived to contribute to mitigate GHGs,
- ✓ Mexico has a comprehensive framework for solid waste management
 - ✓ National Waste Prevention and Management Law
 - ✓ National Waste Prevention and Management Regulation
 - ✓ Waste Management Standards
 - ✓ National Programmes for Waste Prevention and Management
- ✓ NAMA concepts and proposals will enable Mexico to achieve additional financing
- ✓ Funds in order to reduce / mitigate / prevent the generation of GHGs
- ✓ Besides activities that are identified as potentially NAMA options, new financial schemes must be designed and implemented
- ✓ Projects which individually would not reach CDM categories, would have an opportunity through the NAMA approach

BACKGROUND



- ✓ Mexico has a long history in CDM waste projects
- ✓ 23 CDM waste projects have been registered or already are in CERs condition
- ✓ 16 additional waste projects have gone through some step in CDM process
- ✓ 4 projects are already producing electricity from biogas from landfills (Monterrey I, Monterrey II, Cd. Juárez and Aguascalientes)
- ✓ 2 more projects are installing facilities to produce electricity (Saltillo, Queretaro)
- ✓ 2 projects for managing organic fraction of solid waste are going through some step of the process
- ✓ Waste management national programmes are a mandate of the National Law
- ✓ Waste management state programmes are requested by National and State Laws

COMPREHENSIVE WASTE MANAGEMENT SCHEME



POTENTIAL ACTIVITIES IN A NAMA FOR WASTE



WASTE MANAGEMENT	ACTIVITY	REMARKS
Waste management national programme 2013 - 2018	Making policy guidelines and identification of project proposals	A National Programme / Strategy is in itself a national measure
Closure and sanitation of dumping sites	Closure according to identification and schedules	Control
Biogas control in landfills	Biogas control project in process (CDM / NAMA registration)	Flaring
Biogas management in landfills	Biogas management project in process (CDM / NAMA registration)	Power generation / fuel
Organic waste management oriented to fuel / energy	Prevention of uncontrolled biogas / through biodigester / bio-reactor	Power generation / fuel
Organic waste management oriented to compost production	Prevention of uncontrolled biogas / through composting organics	Natural fertilizers
ELVs Management Plan	Control of emissions and discharges of CFCs and POCs	Market development

POSSIBLE PROPOSALS IN A NAMA FOR WASTE



Name:

Closure and sanitation of dumping sites

Objective:

Cancel leakages and fugitive emissions from biogas in dumping sites; and provide a healthy condition in preparation for control and management, when suitable

Activities:

Inventory of dumping sites which are not in use anymore

Identification of suitable dumping sites throughout the country

Promotion of this activity in municipalities which are responsible for the dumping site

Making of at least one NAMA option resulting in emission reductions (as a whole)

Types of support needed:

Financial support

POSSIBLE PROPOSALS IN A NAMA FOR WASTE



Name:

Biogas control in landfills

Objective:

Provide facilities necessary for control and management of the biogas, through flaring or any other alternative

Activities:

Inventory of landfills which are suitable for biogas control (according to feasibility studies)

Identification of suitable landfills throughout the country

Promotion of this activity in municipalities / organizations / private firms which are responsible for the landfill

Making of at least one NAMA option resulting in emission reductions (as a whole)

Types of support needed:

Financial support

POSSIBLE PROPOSALS IN A NAMA FOR WASTE



Name:

Biogas management in landfills

Objective:

Provide facilities necessary for management of the biogas, including the possibility of using methane as a fuel or for power generation

Activities:

Inventory of landfills which are suitable for biogas management (according to feasibility studies)

Identification of suitable landfills throughout the country

Promotion of this activity in municipalities / organizations / private firms which are responsible for the landfill

Making of at least one NAMA option resulting in emission reductions (as a whole)

Types of support needed:

Financial support

POSSIBLE PROPOSALS IN A NAMA FOR WASTE



Name:

Organic waste management oriented to fuel / energy

Objective:

Market-readiness preparation for organic matter / fraction of solid waste, in order to provide an alternative for waste-to-energy

Activities:

Development of an organic solid waste proposal / associated to stringent schemes of waste sorting in the source

Facilitation of the development of a comprehensive national organic waste management approach, within the national programme

Elaboration of at least one NAMA option resulting in substantial emission reductions

Types of support needed:

Financial support

POSSIBLE PROPOSALS IN A NAMA FOR WASTE



Name:

Bio Cancun Project. Industrial plant for energy recovery and thermal treatment from organic solid waste fraction in Quintana Roo, Mexico

Objective:

To build and operate a municipal biodigester to treat the organic solid waste fraction, in continuous operation to produce power (includes capacity building and technology transfer)

Activities:

Agreements between EC & SEMARNAT to develop feasibility studies and bidding documents

Selection of private company to build and operate the plant

Types of support needed:

Technical support for the studies, with technical capacity building of Mexican partner

Financial support to build the first plant

Business partners

POSSIBLE PROPOSALS IN A NAMA FOR WASTE



Name:

End of Life Vehicles (ELV) national management plan

Objective:

To prevent environmental pollution from improper handling of ELVs, under the scheme of shared responsibility among stakeholders (it includes CFCs and POCs)

Activities:

Creation of new commercial markets for ELV components, to promote economic growth and environmental protection

Developing an information system for monitoring and control of ELVs

Types of support needed:

Financial support to design and develop the control and financing system

Business partners

Technical support to develop a Car Recycling Association in Mexico

CONCLUSIONS



- Waste information data system in operation will allow to produce specific strategies for activities – NAMA oriented
- National Waste Prevention and Management Programme will establish priorities and provide guidelines for participants / activities which will be considered as NAMAs
- SEMARNAT will act as national technical advisor for identification, designation and proposal of NAMAs
- Grouping of projects under specific activities will enable projects to attain financial support from funding institutions
- Once Waste NAMAs are determined, proposals will be submitted to the corresponding NAMA financial support agencies