



Mediterranean Dialogue Conference on Waste 4th Nov. 2010 RIMINI-ITALY

SWEEP-Net

*The Regional Solid Waste Exchange of Information and Expertise Network
in Mashreq and Maghreb countries :*

**A new platform for Regional Cooperation in the field of
Solid Waste Management**

PLAN OF THE PRESENTATION

- BRIEF DESCRIPTION OF THE NETWORK
- SWEEP- NET ASSESSING THE SWM SITUATION IN MENA REGION
- SUPPORT OF SOUTH-SOUTH COOPERATION AND COORDINATION (INSTITUTIONS / PROGRAMS)
- SUPPORT OF NORTH SOUTH COOPERATION
- COOPERATION WITH INTERNATIONAL PROGRAMS & INSTITUTIONS

HISTORICAL STARTING PROCESS

- One of the key objectives of the METAP–RSWMP (EC/WB hosted at ANGED:2002 to 2007)
- Series of consultations with countries and supporting partners (2008)
- SWEEP-Net launching meeting (June 2009)
- Designation of national coordinators and official commitment of 10 countries (June 2009)
- Establishment of the secretariat and official implementation (September 2009)
- 1st Network Advisory committee and steering committee meetings in June 21- 23, 2010

THE NETWORK'S MAIN OBJECTIVES

The Sweep-Net works on institutionally **anchoring the principles of a sustainable and integrated solid waste management in Mashreq and Maghreb countries** and in all the network's member countries.

SPECIFIC OBJECTIVES OF THE NETWORK

- Promote the development of waste management in Mashreq and Maghreb countries and create favourable conditions for an appropriate and environment-friendly waste management;
- Build up national capacities in the field of waste management;
- Support the regional cooperation in the field of solid waste management, with a common vision aiming at a sustainable development in the region.

THE PARTNER COUNTRIES OF THE NETWORK

Algeria, Egypt, Jordan, Lebanon, Mauritania, Morocco, Palestinian Territories, Syria, Tunisia and Yemen.

PARTNER INSTITUTIONS OF THE NETWORK

- Ministries and agencies responsible for solid waste management in the beneficiary countries, via National Coordinators mostly.

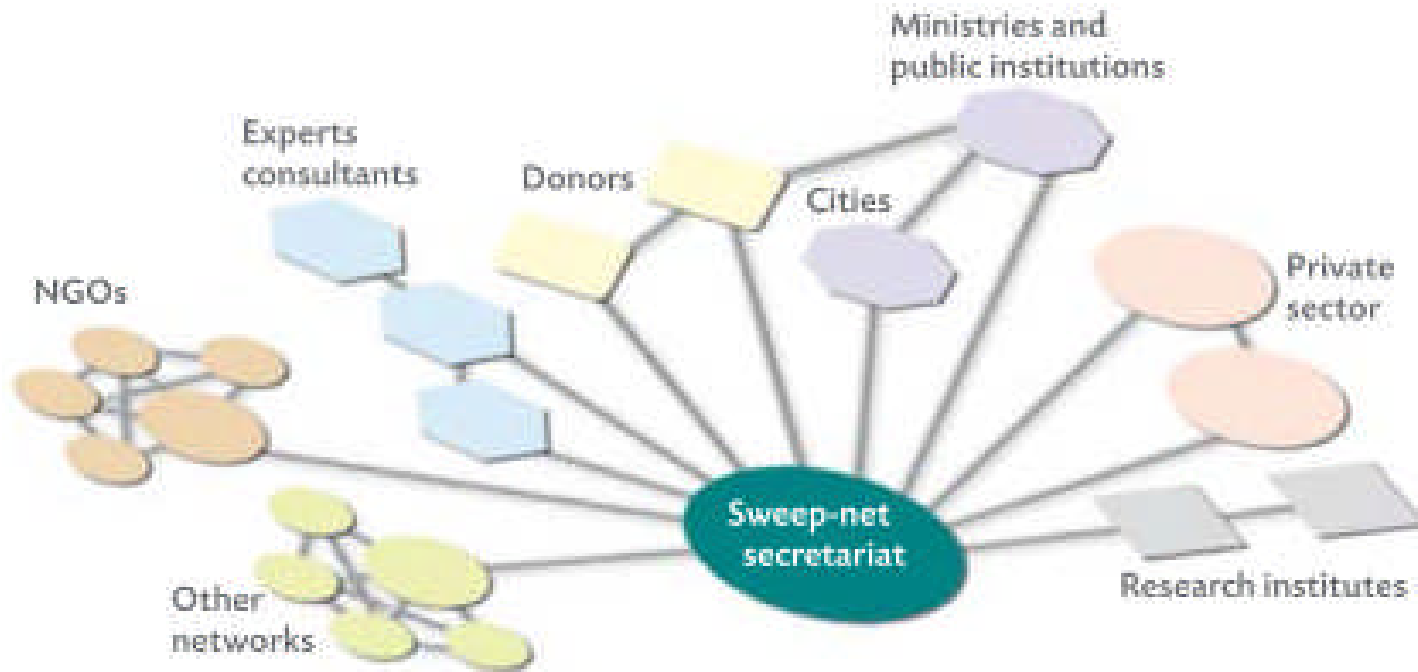
SUPPORTING PARTNERS

- The German Federal Government through the GTZ (German technical cooperation)
- The Tunisian Government through the ANGED (Tunisian National waste agency)

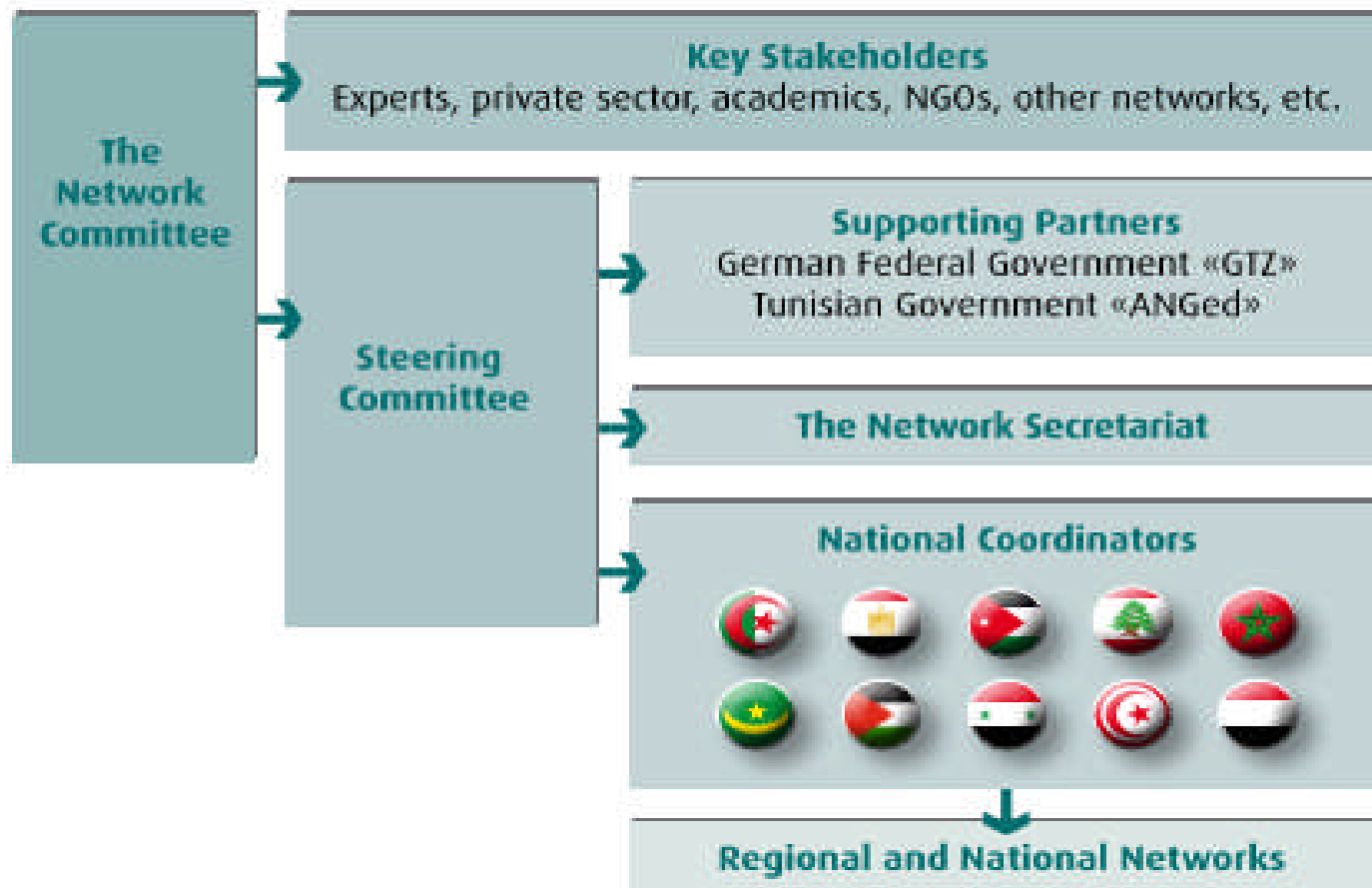
Other countries and partners could join the network

THE NETWORK MEMBERS

Experts, private sector, cities, NGOs, academics, consultants, donors, practitioners, ministries and public institutions, other networks, etc.



ORGANIZATION OF SWEEP-NET



IMPLEMENTATION PHASE (since September 2009)

Visits to the beneficiary countries:

First round of country visits to countries and discussion with NCs and key stakeholders on the needs and priorities in the beneficiary countries (From February till may 2010)

Close and permanent coordination with National Coordinators:

Ensuring permanent contact and coordination with National coordinators (phone calls, sharing papers, coordination of activities, support to implementation of national activities, leading national activities)

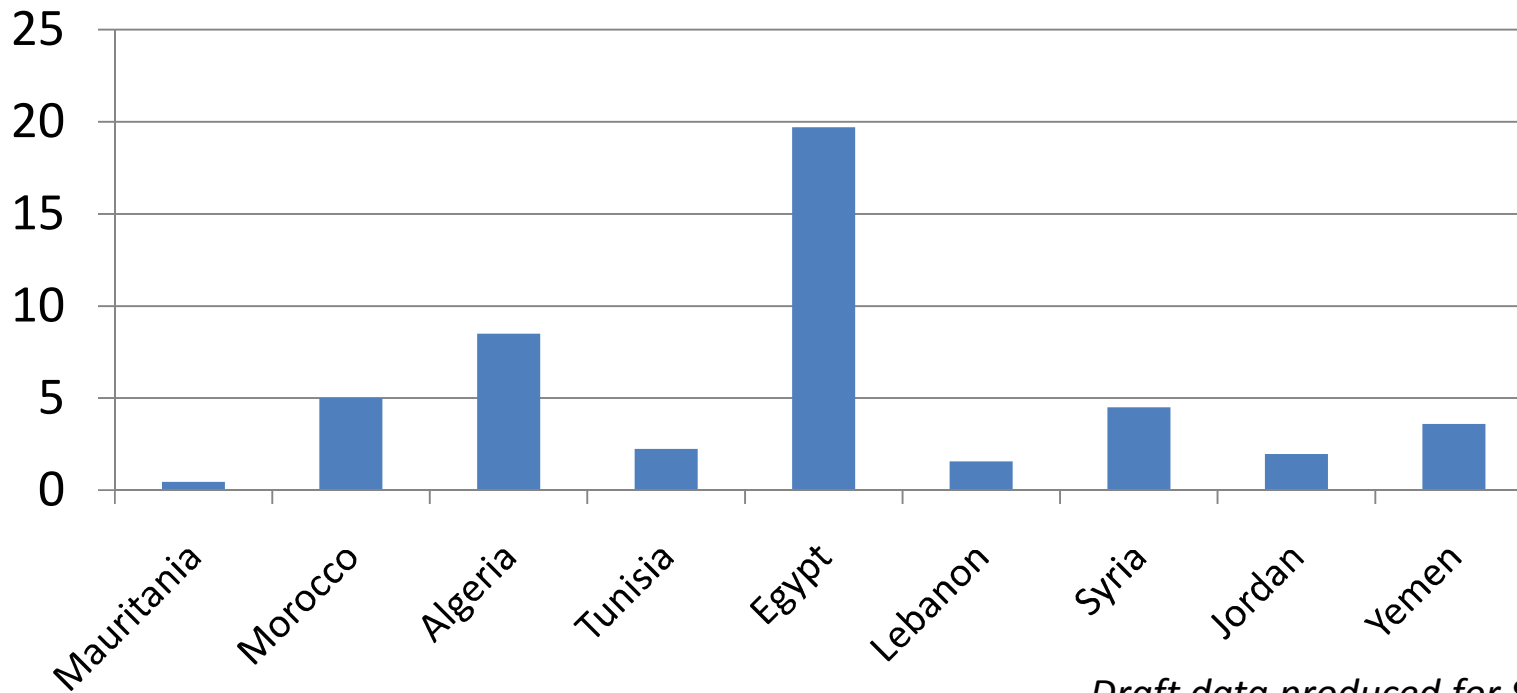
Assessment of the Solid waste situation in the Region

ASSESSING THE SWM SITUATION IN MENA REGION

- Regional report on the SWM situation and opportunities of cooperation in MENA region
- Country reports on SWM situation
- Country profiles on SWM
- Organisation of nine National workshops (discuss country issues and networking)
- Thematic Working groups on ISWM key priorities

Municipal Waste Generation in the SWEEP NET Partners Countries

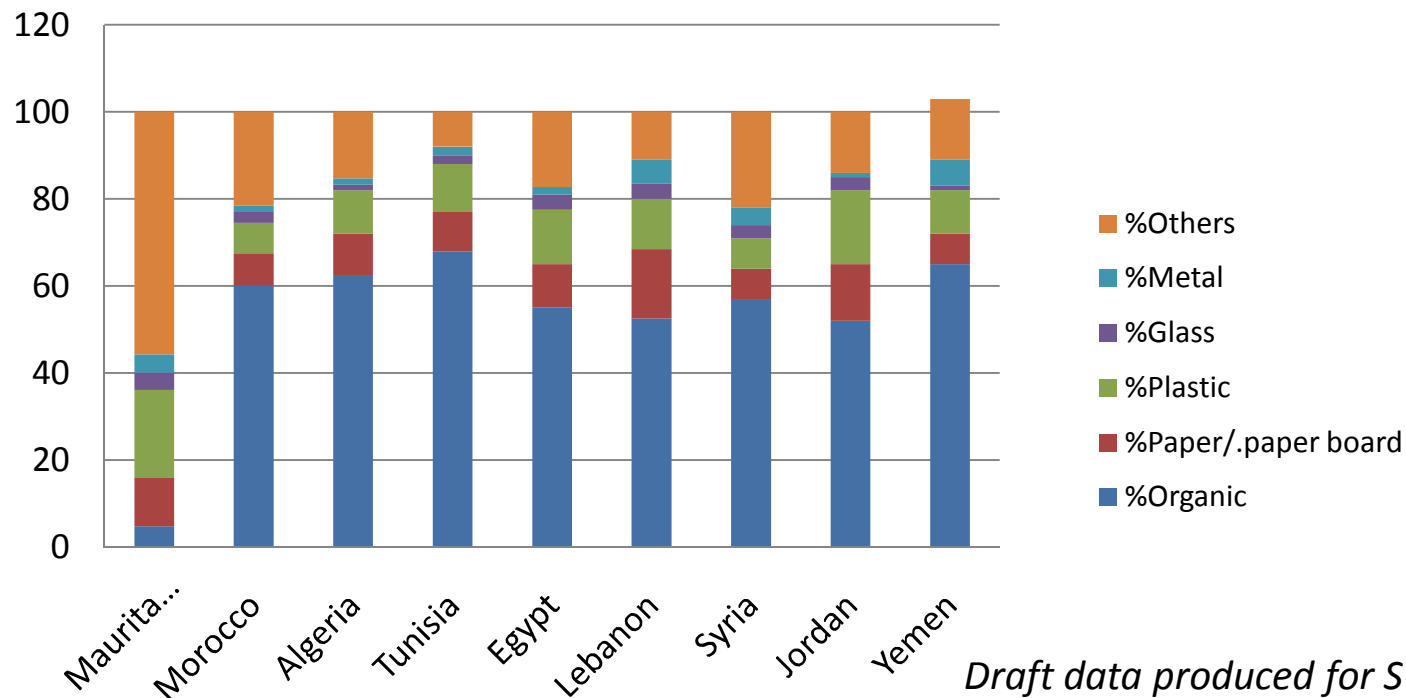
Total Generation : 48 million t/y
MSW generation million t/year



Draft data produced for SWEEP-Net

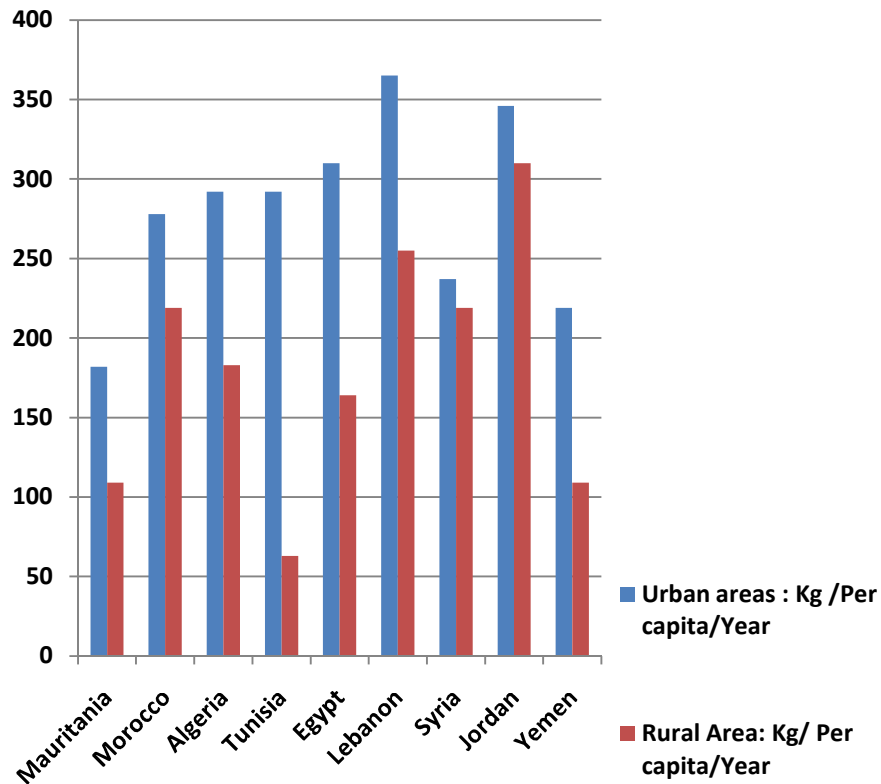
Municipal Waste Generation in the SWEEP NET Partners Countries

Total Habitants: 211 Million
MSW Composition in %

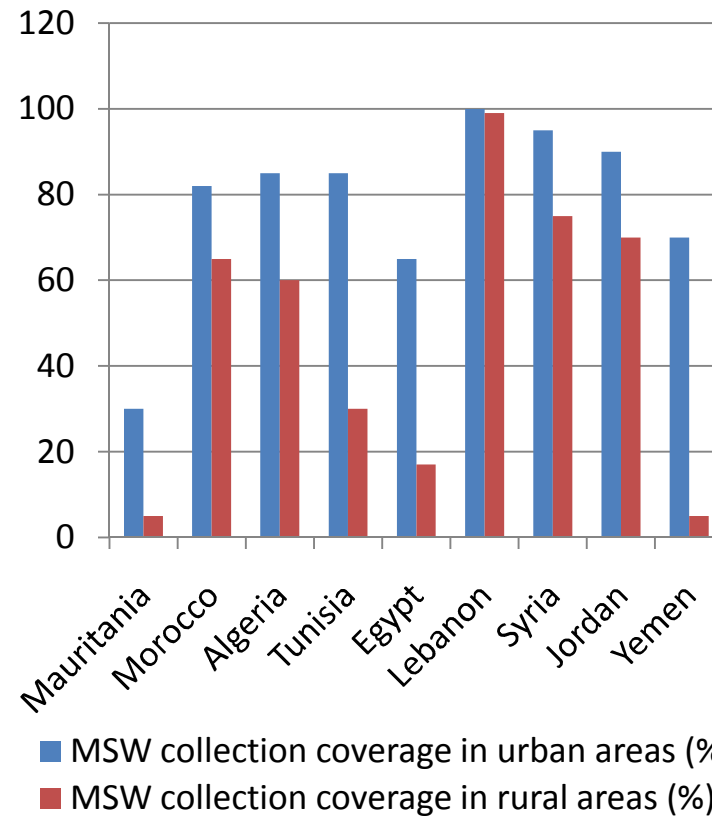


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MSW Generation Per Capita per Year

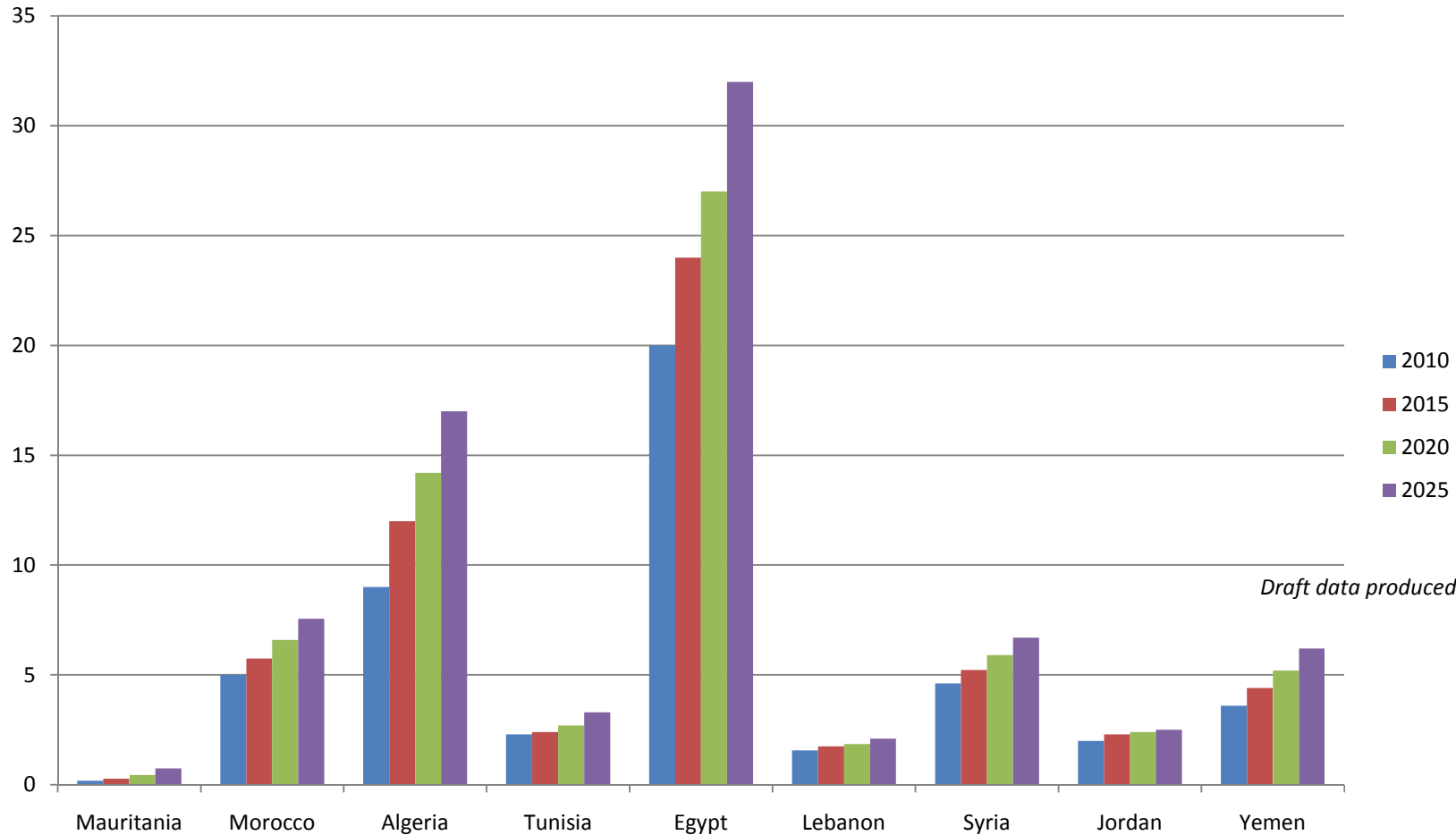


MSWM coverage %



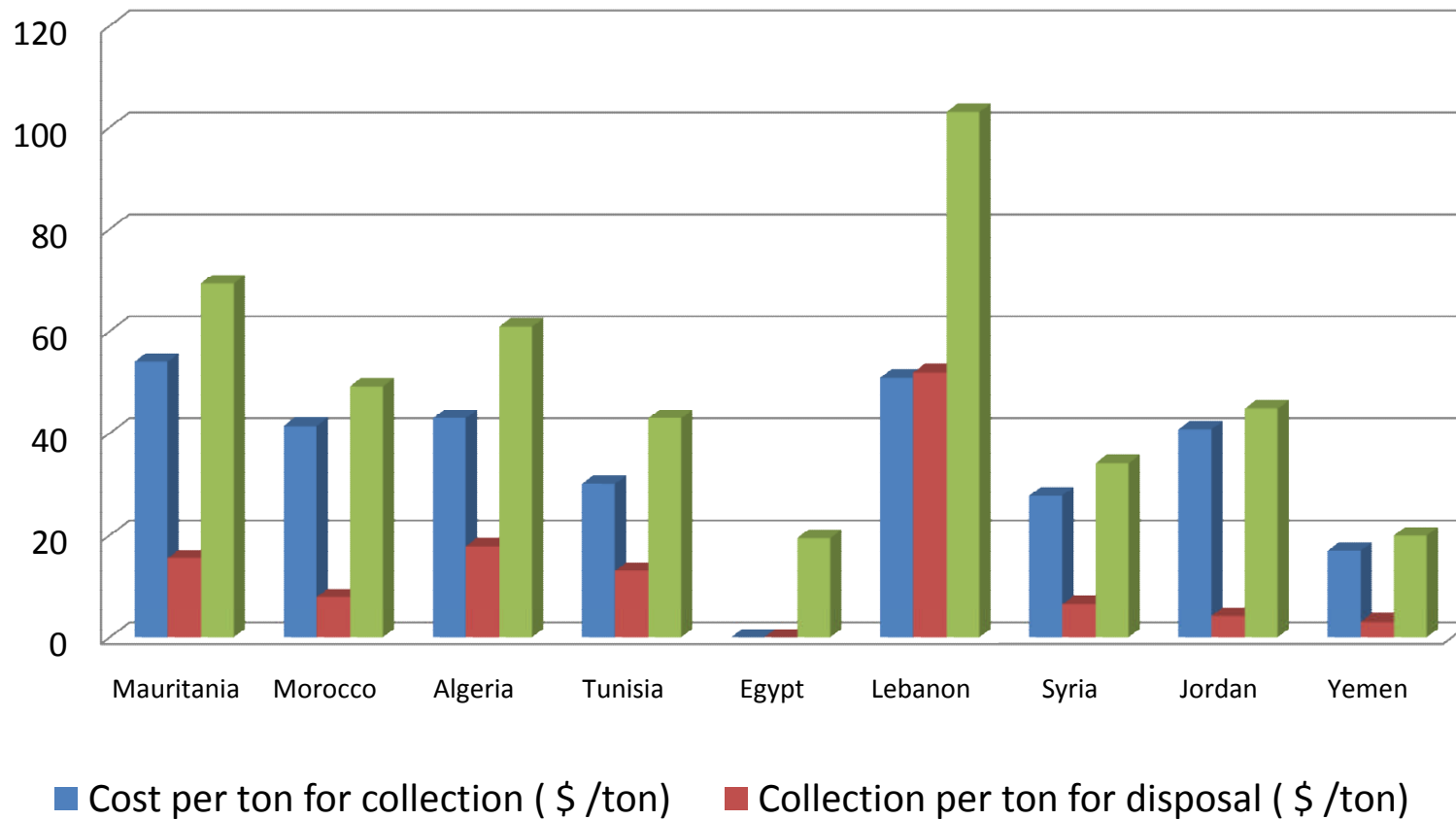
Draft data produced for SWEEP-Net

**Projected MSW Generation in the SWEEP NET Partners Countries
in million tons /y
(by 2025 total generation is 78.0 million tons/y)**



Draft data produced for SWEEP-Net

Cost per ton for collection and disposal

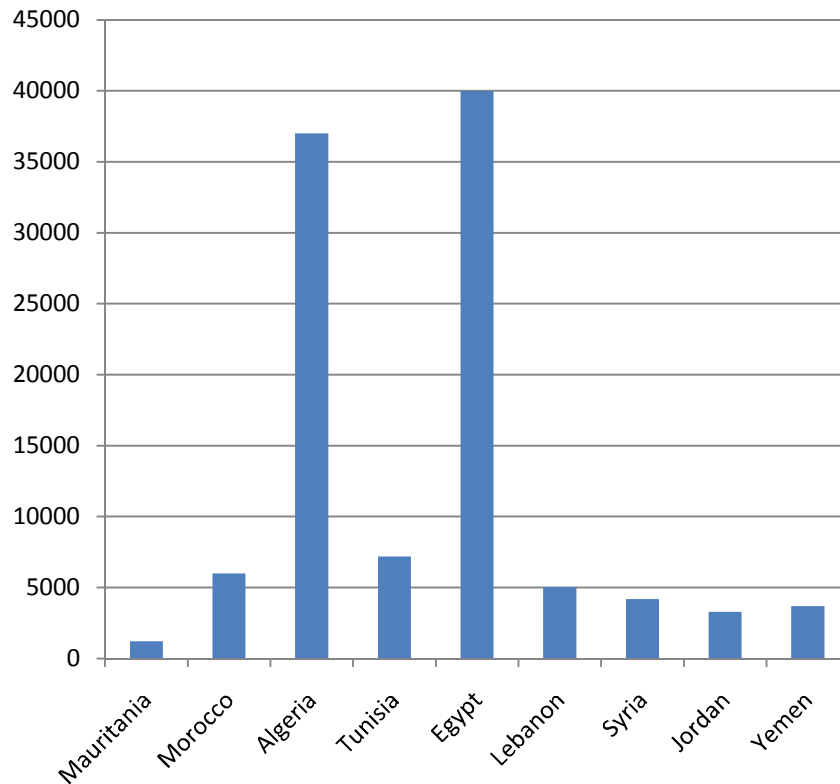


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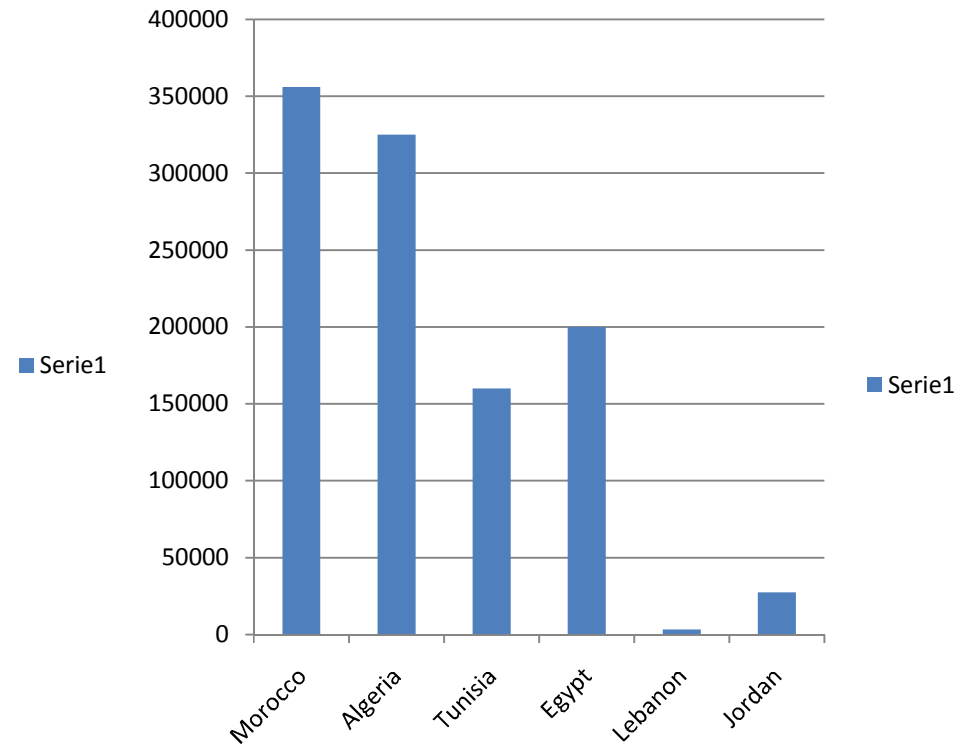
Hazardous Waste Generation in SWEEP NET Partners Countries

Draft data produced for SWEEP-Net

Medical Waste Generation in tons/year



Hazardous Industrial Waste Generation in tons/year



Countries/SWM elements	Mauritania	Morocco	Algeria	Tunisia	Egypt	Lebanon	Syria	Jordan	Palestinian Authority	Yemen
Policy making	Available	Incomplete	Incomplete	Incomplete	Available	Incomplete	Available	Available	Available	Incomplete
Legal Framework	Available	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Available	Incomplete
Regulatory Framework	Incomplete	Incomplete	Available	Incomplete	Incomplete	Incomplete	Available	Available	Available	Available
Institutional Framework	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Available
Contract Administration	Incomplete	Incomplete	Available	Incomplete	Available	Incomplete	Incomplete	Available	Incomplete	Available
Service delivery by private sector for collection	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Available	Incomplete	Incomplete	Incomplete
Service delivery by private sector for disposal	Available	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete
Monitoring of delivery	Incomplete	Available	Incomplete	Incomplete	Available	Incomplete	Incomplete	Incomplete	Incomplete	Available
Cost recovery	Incomplete	Incomplete	Incomplete	Incomplete	Available	Incomplete	Available	Incomplete	Available	Incomplete
Information systems	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete
Public communication	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete
Financial Support from central government	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete
Financial Support for International donors	Incomplete	Incomplete	Available	Incomplete	Available	Available	Available	Available	Incomplete	Available

Draft data produced for SWEEP-Net



Incomplete

In progress

Available

South / South Cooperation

Principles of South –South Collaboration

- Establishment of a regional balanced network of waste management-related clusters among SNPC, for mutual learning and exchange of knowledge, skills, training opportunities and technologies that will lead to strengthening the Integrated Sustainable Waste Management System and would increase competitiveness in the sector
- Concentration of complementary activities between SNPC with intensive interaction, so that opportunities available in the ISWM system of one SCPC can serve to address the shortcomings of another, improving therefore their performance and obtaining benefits for all the SNPC

SUPPORT OF SOUTH-SOUTH COOPERATION AND COORDINATION WITH REGIONAL INSTITUTIONS / PROGRAMS

Bilateral cooperation initiative launched between Morocco and Tunisia:

- Morocco: PSP and contract monitoring;
 - Tunisia: Management of packaging waste and Industrial and hazardous waste
-
- Hiring a Tunisian and a Moroccan environmental specialists
 - Mission of a Tunisian delegation to morocco on March 2010
 - Mission of a Moroccan delegation to Tunisia (from 29 June to July 1st 2010)
 - Drafting a roadmap of a close bilateral cooperation



PARTICIPATION AT CONFERENCES AND (CO)ORGANIZATION OF CONFERENCES/WORKSHOPS

Promotion of the network and participation at regional meetings:

- **Marrakech:** “Waste clusters conference” of the EC: Moroccan NC (Janvier 2010)
- **Dubai:** “Middle east waste summit”: Yemenite NC (May 2010)
- **Italy:** Conference on organic waste - ISWA (April 2010)
- **Rabat:** ACWUA regional conference (January 2010)
- **Tunis:** First SWEEP-Net advisory and steering committee meetings (June 2010)
- **Munich :** IFAT ENTSORGA environmental fair
- **Cairo :** Arab League joint Comitee for environment and development
- ...



Myth

SWEEP-Net could interfere in the implementation of bilateral projects under cooperation programs with partners.

Reality

The network will create synergies and partnerships and could provide support to the implementation of bilateral or regional initiatives.



Myth

SWEEP-Net is a donor funding studies and projects in the beneficiary countries.

Reality

SWEEP-Net is not a financial institution “Bank”; it is a network for the exchange of knowledge and experiences.



Myth

SWEEP-Net is a project of the GTZ and ANGED for the benefit of 10 countries of the MENA region.

Reality

SWEEP-Net is a network actually supported by the GTZ and ANGED for its starting phase.



Please visit my WEB ste...

Myth

SWEEP-Net will work exclusively with public institutions through the national coordinators.

Reality

SWEEP-Net is an open network accessible to all institutions or individuals interested by the improvement of the sector.



Solid Waste Management Achievements by the SWEEP NET Partners Countries (SNPC)

- **At the policy level:** Many countries with the exception of Lebanon and Jordan have developed their own strategies and national programs for addressing the municipal solid waste management
- **At the legal level:** Most of the SNPC with the exception of Egypt, Lebanon and Jordan have enacted their respective solid waste management or cleanliness laws
- **At the operational level.** Technical and operational management at the national ,local and municipal levels have improved particularly for SWM collection but to a lesser extent for SWM disposal

Solid Waste Management Achievements by the SWEEP NET Partners Countries (ctd)

- **At the institutional level:**
 - **Ministries of Local Administration/ Development in collaboration with the Ministries of the Environment are responsible for policy planning and overseeing the solid waste management sector**
 - **Municipal Solid Waste collection remains the responsibilities of the municipalities/local government or of inter communality of municipalities**
 - **MSW disposal varies across the SNPC**
 - **In Tunisia, the Solid waste Management Agency (Agence Nationale de la Gestion des Déchets (AnGed) assumes the responsibility of MSW disposal on behalf of the municipalities so is the Council of Development and Reconstruction (CDR) in Lebanon.**
 - **in Mauritania, Algeria, Yemen Syria, the responsibility is provided by specialized MSW departments /divisions at the local level.**
 - **In Morocco , Jordan and Palestinian Authority: the responsibility is provided by the municipalities**
- **Collection and Disposal of Hazardous Waste is the responsibility of the Ministry of the Environment “by default”**

Solid Waste Management Achievements by the SWEEP NET Partners Countries (ctd)

- **At the Financial level**
 - The central government remains the major financier of the MSW sector with large subsidies provided to MSW disposal.(Lebanon US\$ 400 million/year)
 - Partial cost recovery has been established in Algeria, Egypt, Syria, Jordan and the Palestine Authority
 - No cost recovery was established in Mauritania, Morocco, Tunisia, Lebanon and Yemen

Outstanding SWM issues in the SWEEP NET Partners Countries

- **Flaws in Environmental and SWM legislation**
 - Inconsistencies , missing rules and regulations
 - Accountability: Who is responsible for the SWM sector
- **Institutional Barriers to SWM**
 - Absence and/or mixture between policy making, regulation and operation functioning and lack of reliable data and information systems
- **Deficiencies in technical and operational management at the national, local and municipal levels**
 - Institutional and individual capacities at the national and municipal level for implementing enhanced SWM systems are weak

Outstanding SWM issues in the SWEEP NET Partners Countries (ctd)

- **Barriers impeding private sector participation.**
 - Absence/weakness of comprehensive regulatory framework for long term concessions
 - Unclear government policies and programmes that support and encourage private sector participation
 - Absence of incentive instruments;
 - Risks of expensive contracts of large foreign scale companies and
 - Absence of realistic environmental and occupational health risks.

Outstanding SWM issues in the SWEEP NET Partners Countries (ctd)

- **Waste reduction remains low and at-source separation is practical nonexistent :**
 - Household have no incentives to separate waste and the composition of recycling materials is low
 - Outreach campaigns and public education are weak across all SNPC, to induce a change in behavior and reduce or separate household waste.

Outstanding SWM issues in the SWEEP NET Partners Countries (ctd)

Open Dumps are still the primary locations for MSW disposal

- There are only 49 sanitary landfills in the 10 SWEEP NET Partners Countries
- Open dumps are still functioning and are still the primary locations for disposing of at least 50% (with the exception of Tunisia) of the household wastew with possible mixture of medical and industrial waste
- In all the open dumps, waste pickers have found a niche in the economic value of waste.
- Rehabilitation of open dumps started in Algeria (Oued Smar) , Morocco (Casablanca), Tunisia (7 cities), Lebanon (Bourj Hammoud and Normandy)

Outstanding SWM issues in the SWEEP NET Partners Countries (ctd)

- **Socio-cultural aspects have been neglected.**
 - Few in -depth consultations were conducted with the project affected people
 - SWM program paralyzed in Lebanon because of the Not-In-My-Backyard (NIMBY) issue
 - In Alexandria, Egypt, public opposition has forced the local government to change the landfill site
 - Livelihood of waste pickers has been neglected and no health or social services are provided

Outstanding SWM issues in the SWEEP NET Partners Countries (ctd)

- **Hazardous and medical wastes are becoming a growing issue**
 - The magnitude of unsound HWM practices on human health and environment within the SNPC is unknown
 - Lack of information on quantities generated, composition, storage and/or disposal locations
 - Collection and disposal of medical waste has been seriously neglected in all the SNPC

North / South Cooperation

North South Collaboration

- International donors and financing institutions consider now that the key to greater prosperity on the Mediterranean Countries lies in increasing economic ties within south -south and north- south collaboration
- A two pronged strategy is being applied
 - Support regional programs aimed at regional integration and
 - Financing bilateral projects that can have a regional dimension.

- **There are two major forms that could lead to regional integration namely**
 - Regional cooperation whereby countries cooperate in regional projects and facilitate exchange of information and best practices and;
 - Regional harmonization (agreed upon the Paris Declaration or 2005) in which countries try to minimize inconsistencies in their policies and regulations so that their cooperation is made more effective and common rules and regulations can be used across countries in the region and hence reducing the transaction costs for investments.
- **Characteristic of the N-S Collaboration**
 - Assistance to Mediterranean countries replaced by Partnership with these countries
 - Grants funds replaced by “Seed” funds to prepare programs/ projects and start up the process for seeking additional financial support from international donors and financing institutions

Political Instruments for Regional Integration and Environmental Initiative

- The European Neighborhood and Partnership Instrument (ENPI)
 - **The Horizon 2020 Initiative:** To de-pollute the Mediterranean by 2020: SWM is a component
- The Arab World Initiative of the World Bank
 - **The Center for Mediterranean Integration (CMI).** To focus on knowledge and information sharing from good practices, alongside network building between the Region and Europe. Water and Environment (Sustainable MED) are one of the five Clusters
 - **The Arab Water Academy** aims through state-of-the-art executive education and capacity development programs, to accelerate the shift to integrated water management and service regulation.
- The Barcelona Process: Union for the Mediterranean
 - To strengthen cooperation between local and regional authorities around the Mediterranean. Main focus of the Union for the Mediterranean is to deal with energy, security, counter-terrorism, immigration and trade.

How Does SWEEP-NET Contribute to Regional Integration

- **Regional Cooperation:** SWEEP NET Facilitates Exchange of Information and Best Practices in SWM
- **Regional Harmonization:** SWEEP NET fulfills the principles of harmonization in the SWM sector as set forth in the Paris Declaration by:
 - Enhancing SNPC ownership of their own strategies and priorities with donor support to strengthen local expertise, institutions and management system.
 - Managing for results by focusing on impacts and the tools and systems to measure them

SWEEP NET COULD BE THE REGIONAL CENTER OF COOPERATION
AND HARMONIZATION FOR THE INTEGRATED SUSTAINABLE
WASTE MANAGEMENT SYSTEM

Cooperation with International programs / Institutions

COOPERATION WITH PROGAMS/INSTITUTIONS AND SUPPORTING PARTNERS



•The World Bank



•EC- H2020/CB initiative (Sweep-net part of the capacity building component)



•GTZ Bilateral projects and programs (Recap-ZI : industrial Zones sustainable management)



•League of Arab States : Joint Committee for environment and development (Decided to use sweep-net's recommendations for it's decisions relative to solid waste management)



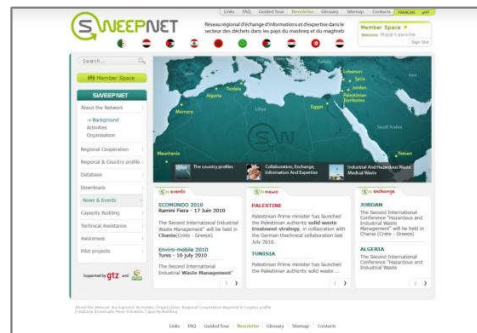
•ACR+ (Ass. of Cities and Regions for Recycling and sustainable Resource management with whom we'll have a M. Collaboration)



ISWA (International Solid Waste Association, with whom we'll have a Memorandum of collaboration)

COMMUNICATION AND DISSEMINATION OF RESULTS

- A New network's brochure
- Comprehensive updated Database on experts; consultants; key stakeholders, SWM data, etc
- Newsletter (Going out end November 2010)
- Network's Portal: www.sweep-net.org (Completely on line end of November)
- Development of the graphical chart (Logo) of SWEEP-Net



**Thank you
for your attention**

www.sweep-net.org