ACCOUNTING FOR NAMAs IN A NATIONAL GHG INVENTORY
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PARTNERSHIP FOR MARKET READINESS
3RD REGIONAL MRV TECHNICAL TRAINING
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OUTLINE

- Links between NAMAs and a national GHG system

- Case study in the energy sector

- Case study in the IP sector

- Case study in the agriculture sector
Inventory vs. NAMAs

A high quality inventory sets the foundation for both NAMAs and LEDS (e.g., for scenarios and other inputs) and MRV (reporting).

1. Inventory
   - Data at facility level
   - Specific AD & EF
   - Improvement of national statistics

2. Elaboration of NAMAs

   NAMAs monitoring

   Inventory improvement:
   - Data at facility level
   - Specific AD & EF
   - Improvement of national statistics
# Case study in the energy sector

<table>
<thead>
<tr>
<th>Jordan</th>
<th>Sector name</th>
<th>Sub-sector</th>
<th>Objective</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demand-side energy efficiency programme for water pumping stations</td>
<td>Industry</td>
<td>Energy efficiency</td>
<td>Increase the energy efficiency of water pumping stations through various measures</td>
</tr>
<tr>
<td>Electricity Generation from Solar Energy Sources</td>
<td>Energy supply</td>
<td>Renewable energy (solar)</td>
<td>To help the government achieve a target of 10% renewable energy in the primary energy needs of the country by 2020, save fuel and reduce emissions</td>
</tr>
<tr>
<td>Electricity Generation from Wind Energy Sources</td>
<td>Energy supply</td>
<td>Renewable energy (wind)</td>
<td>Sector wide program to increase energy efficiency for water infrastructure with the objective to reduce the specific energy consumption per m³ of produced water targeting pumping facilities, well fields, booster stations, the water supply network and other water infrastructure</td>
</tr>
<tr>
<td>Improvement of Energy Efficiency in the Jordanian Water Sector (IEE)</td>
<td>Energy supply</td>
<td>Energy efficiency</td>
<td>Reduce emissions from power sector by increasing efficiency of power plant</td>
</tr>
<tr>
<td>Samra Thermal Power Station - Phase-III Add-On Combined Cycle</td>
<td>Energy supply</td>
<td>Energy efficiency</td>
<td></td>
</tr>
</tbody>
</table>
Case study in the IP sector

<table>
<thead>
<tr>
<th>Tunisia</th>
<th>Sector name</th>
<th>Sub-sector</th>
<th>Objective</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Greenhouse gas emissions reduction in the cement industry</td>
<td>Industry</td>
<td>Cement: energy efficiency and process</td>
</tr>
</tbody>
</table>

Visibility in national GHG inventory

*Actions on energy ➔* energy balance will consider the reductions in fuel consumption from the electric and the cement sectors

*Actions on IP ➔* not visible if Tier 1 used (constant EF CO₂ / t cement produced)

➔ necessary to use sites annual reports for Tier 3 (EF CO₂ / t carbonates used)

Specific tracking

Directly linked with data used in the national GHG inventory: tracked with sites annual reports specifically developed to follow NAMA

➔ Necessity to streamline the data sources (consistency)
Case study in the waste sector

<table>
<thead>
<tr>
<th>Sector name</th>
<th>Objective</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ordinary Solid Waste</td>
<td>Reduce CH₄ emissions from landfills, recycling of dry materials, composting and organic waste biodigestion</td>
</tr>
<tr>
<td>Liquid Waste Management</td>
<td>Reduce CH₄ emissions from water treatment (sludge digester) and improve energy efficiency</td>
</tr>
</tbody>
</table>

Visibility in national GHG inventory

*Actions on recycling ➔* should be visible in national statistics if available (amount of waste per treatment system)

*Actions on landfills*

➔ use of national statistics (amount of waste per type of landfills) OR
➔ use of landfills reports (quantity of methane recovered and flared or used as energy)

Specific tracking

Amounts per type of treatment have to be specifically followed. Data reported for the NAMAs can be used directly in the inventory to improve its quality.

➔ Necessity to streamline the data sources (consistency)
Thank You

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