Workshop on Environment Statistics and Information on Sustainable Development for Arab Region

Experience with UNSD Pilot Survey on Climate Change
Eng. Sona Abuzahra
Beirut, 12-16 November 2018
Role of Environment Statistics Division

Enhance our environmental surveys to bridge data gap

Share data upon request for reporting requirements

Main stakeholder with MOENV team
FDES

A tool help us to assess the sectors to be improved

Classification of Environment statistics

Definitions, units and data sources
GIZ role in MOENV.

GIZ is currently supporting the Ministry of Environment (MOENV) for the implementation of the National Climate Change Policy.

- Enhancing inter-sectoral coordination between national stakeholders involved in the implementation of the Policy. Through:
  - Developing a strategic roadmap for inter-sectoral coordination
  - Capacity Needs Assessment for National Stakeholders

- Strengthening the capacity of the newly established climate change directorate
Reporting on Climate Change

1994
- Initial Communication Report under the UNFCCC
- CO2 emissions from Energy sector (IPCC Reference Approach 1994)
- GHG Agriculture, Liquid Waste Treatment Plants, Domestic Solid Waste

2000
- Jordan’s Second National Communication to UN Convention on Climate Change
- GHG Inventory, Mitigation, Vulnerability and Adaptation, Gaps and Constraints

2006
- Jordan’s Third National Communication to UN Convention on Climate Change
- GHG emissions in base line scenario, Mitigation scenarios 2006-2040, means of implementations
Data Gaps

- Lack of institutional arrangements for data collection and data sharing
- Private institutions (i.e. industries) are not obligated to disclose their data to MOENV
- Data availability in the format and quality needed for GHG inventory
- Cover all the information required by the IPCC methodology for inventory.
Needs to Address the Identified Problems and Constraints

- Develop a GHG inventory data system aiming at collecting data in the needed quality and format. This system should include institutional arrangements to facilitate data collection and sharing among the various national institutions. Also, this system should include a legislative framework to obligate private sector to report the required data.
- Conduct surveys, studies and scientific research aiming at developing disaggregated activity data and emission factors needed for the GHG inventory estimation with special focus on key emission sources.
Needs to Address the Identified Problems and Constraints

• Conduct studies with regional cooperation aiming at developing regional emission factors.
• Develop the local capacities in using the new guidelines, methodologies, tools and software.
• Secure and mobilize financial resources to address the above mentioned needs.
Jordan Response to CC Survey

Available Indicators:

- Special meeting with MOENV is conducted to respond to all survey indicators
- The indicators classified into 3 categories according to the level of data availability (Tier)
Jordan Response to CC Survey

Available Indicators:

- Total Primary Energy Supply (TPES)
- Share of fossil fuel in TPES
- Total support of fossil fuel/GDP (To be calculated)
- Energy Consumption by household/capita
- Total GHG emissions
- Change in Water Use efficiency over time
Jordan Response to CC Survey
Available Indicators:

• CO2 Emission from fuel combustion
• GHG Emission from Land Use
• Annual average surface temperature
• Level water Stress
• Occurrence of extreme weather events
• Number of death attributed to hydro-metrological disasters (?)
• Direct Agriculture loss attributed to hydro-metrological disasters
Jordan Response to CC Survey
Available Indicators:

• Renewable energy share in final energy consumption
• Share of climate change mitigation expenditure in GDP
• Share of energy and transport taxes in total taxes
• Proportion of population living in dwelling with air conditioner
Some Area with no Strict Definitions

- Sustainable forest Management
- Sustainable Agriculture Area under Productive and Sustainable Agriculture
Not Available Data

- Proportion of degraded land over time
- Carbon Stock in Soil
- Standard precipitation Index
- Carbon footprint (?)
- GHG emission intensity of production activities
- Losses of land covered by semi-natural vegetation
Main Data sources for cc indicators

- DOS
- MEMR
- MOA
- MOENV
- MOH
<table>
<thead>
<tr>
<th>INDICATOR AVAILABILITY</th>
<th>IF THE INDICATOR IS AVAILABLE</th>
<th>IF THE INDICATOR IS NOT AVAILABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Question 1</td>
<td>Is this indicator available in your country?</td>
<td></td>
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<tr>
<td>Question 2</td>
<td>What is the development stage of the indicator?</td>
<td></td>
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<tr>
<td>Question 3</td>
<td>Do you expect that the compilation and dissemination will be continued in the foreseeable future?</td>
<td></td>
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<tr>
<td>Question 4</td>
<td>If 4.1 is no: Which institution compiles this indicator in your country?</td>
<td></td>
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<tr>
<td>Question 5</td>
<td>Is this indicator available on a regular basis?</td>
<td></td>
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<tr>
<td>Question 6</td>
<td>Which are the available reference years?</td>
<td></td>
</tr>
<tr>
<td>Question 7</td>
<td>Is the indicator reported to international organizations?</td>
<td></td>
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<tr>
<td>Question 8</td>
<td>Do you have official publications or websites which are using or releasing this indicator?</td>
<td></td>
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<tr>
<td>Question 9</td>
<td>Which are the main problems in developing this indicator?</td>
<td></td>
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<tr>
<td>Question 10</td>
<td>Which data are missing?</td>
<td></td>
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<tr>
<td>Question 11</td>
<td>In your opinion, can this indicator be available in the next few years in your country?</td>
<td></td>
</tr>
<tr>
<td>Question 12</td>
<td>Please specify what would be required to have the indicator available (e.g. revised statistical law or statistical programme, country examples, guidelines, clarification of the role of NSO, coordination, capacity building, technical assistance, etc.).</td>
<td></td>
</tr>
<tr>
<td>Question 13</td>
<td>Do you produce and/or publish a similar alternative indicator? If yes, which one?</td>
<td></td>
</tr>
</tbody>
</table>
Remarks

- Available indicators are fully mature
- The responsible agency for dissemination of SDGs is DOS
- Calculation must be done with strong coordination and agreement of the responsible agency (ex. MWI,...)
- Jordan is a pilot country in implementation of SDG6
Challenges

• Enhancement of the environmental surveys to have physical data on activity level (ISIC)
• Insufficient data related to (LULUC, transport and solvent sectors)
• The data is available to calculate some indicators but until now we didn’t calculate them (ex. Of mitigation expenditure.....)
• Restricted Financial resources
Updates

• Restructuring of organizational structure of DoS to include some new units:

• **Sustainable development unit:** To coordinate with different National, regional and global organizations to implement SDGs Indicators

• Reporting on SDGs

• Assessment of available data for computing indicators, data gaps, and opportunities
Update

- **New unit on data management:**
- Great coordination with this unit to achieve the highest # of indicators
- Help in providing us with data from different stakeholders
National Statistical Strategy (NSS)

- The goal of the new organizational structure is to:
- Support the implementation of the (NSS)
- Support different statistical units in calculation of the SDI
- Auditing
- Bridge data gaps with support from international organizations
Opportunities

- High cooperation level with international organizations
- Work is developed and ongoing
- National Statistics Strategy (NSS)
Thanks For Your Attention
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