FRAMEWORK FOR DEVELOPMENT OF ENVIRONMENT STATISTICS

Eng. Sona Hilal Abuzahra
Department of Statistics
ENVIRONMENTAL STATISTICS

- FDES (Framework for Development of Environment Statistics)
- It includes several themes:
  - Environment condition and quality
  - Environment resources and their use
  - Residuals
  - Extreme events and Disasters
  - Human Settlements and Environmental Health
  - Environmental Protection, Management and Engagement
## Data Sources

### Administrative Records
- Annual Reports related to water quality, water balance, monitoring stations, uses and abstraction
- Projects directed by UN....
- Research
- Websites, Data bases

### Censuses and Surveys
- Conduct surveys for water consumption and wastewater production and treatment in industrial and service sectors activities (ISIC Classification)
- HDS
- HIES
- PC
MAIN STAGES FOR PREPARING THE ENVIRONMENTAL STATISTICS ANNUALLY

Stages of Environmental Data Collection

Stage of Extracting and Disseminating Results

The Final Results and Reports

From 4-9-2019 To 31-7-2019

Initial Results and Initial Reports

From 1-4-2019 To 8-4-2019

Data from Environmental Surveys

Monitoring and Quality Control

From 6-9-2018 To 30-6-2018

Stage of Data Collection From Different Sources

Data from Administration

Official Books

From 15-3-2018 To 30-6-2018

Preparing Plans and Forms

Developing Electronic Systems

From 2-1-2018 To 1-3-2018

Preparation and Planning Stage

%100

%100

From 2-1-2018 To 1-3-2018

From 1-4-2018 To 31-3-2018

From 6-9-2018 To 30-6-2018
The Department of Statistics has utilized the IT and Communications Revolution in Implementing Various Censuses and Surveys. The General Population and Housing Census 2014/2015 has been totally implemented electronically. The (GIS) was also used.

- This phase is a turning point in Statistical Work.
BENEFITS OF ELECTRONIC TRANSFORMATION

- Reducing the Implementation period of Surveys and Censuses.
- Applying the total quality standards for procedures and data.
- Monitoring of achievement and raising efficiency.
- Extracting the results immediately and then final results are extracted.
- Reducing human errors in data entry and data loss.
- Providing an efficient and reliable infrastructure.
- Reducing the cost of implementing surveys and censuses.
- Capacity building of trained and qualified staff who are capable of bringing about change.
- Developing of the systems and programs.
The Department of Statistics has provided all maps that are compatible with the statistical work of all localities in the Kingdom in coordination with the following official institutions:

- **Royal Geographical Center**
  (stratum of governorates, districts and sub-districts’ boundaries and the stratum of streets, monuments and buildings).

- **Ministry of Interior**
  (stratum of administrative division and Jordan’s boundaries).

- **Department of Land and Surveying** (land plots).

- **Ministry of Municipal Affairs and Greater Amman Municipality**
  (Municipalities’ boundaries).
Matching of the Statistical blocks with the Neighborhoods and Municipal Areas’ boundaries collected from their sources. (Ministry of Municipal Affairs and Municipalities)
DATA EXCHANGE METHODOLOGY

- Memorandum of understanding with partners
- Official letters
- E-mail
- Websites
- Phone calls
- Published Reports
- Access to different data bases
CENSUSES AND SURVEYS

- Demographic and economic data
- Employment
- Data on ISIC level (environmental survey)
- Agriculture holdings
- National Account
- Environment Protection Expenditure according to the coverage of the survey
DATA NEEDS ASSESSMENT

- Periodic assessment on data needs and data gaps conducted according to work requirement (Ex. SDGs calculation.., SOER)
- Development of environment statistics annually occur by development of the questionnaires, expanding the target category in the sample and take experience from global best practices according to user needs
CHALLENGES

- Financial and human Resources (in order to expand existing surveys or addition of questions to achieve curtain goals)
- Adoption of the new modification through official channel (General Manager of DoS)
OPPORTUNITIES

- National Statistics Strategy/Environment statistics sector
- SWOT analysis for sector statistical needs, policies, cooperation, data exchange and improvements with our partners
- SDGs brings to gather all national stakeholders in regular meetings
- Information Systems (under SEIS-Projects...._)
Opportunities

- Support to data producers through different projects and programs that aims achieving Sustainable Development.
- Policies and strategies should relies on high quality data and efficiently use available information.
### Table 12: Proposed Target 2030 of the SDG 6 Indicators of Jordan

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Description</th>
<th>Value</th>
<th>Target 2030</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.1.1</td>
<td>Proportion of population using safely managed drinking water services</td>
<td>94.3%</td>
<td>100%</td>
</tr>
<tr>
<td>6.2.1</td>
<td>Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water</td>
<td>84.0%</td>
<td>100%</td>
</tr>
<tr>
<td>6.3.1</td>
<td>Proportion of wastewater safely treated</td>
<td>60.0%</td>
<td>80%</td>
</tr>
<tr>
<td>6.3.2</td>
<td>Proportion of bodies of water with good ambient water quality</td>
<td>92.0%</td>
<td>95%</td>
</tr>
<tr>
<td>6.4.1</td>
<td>Change in water-use efficiency over time,</td>
<td>3.0%</td>
<td>Increasing over time, no target</td>
</tr>
<tr>
<td>6.4.2</td>
<td>Level of water stress: freshwater withdrawal as a proportion of available freshwater resources</td>
<td>131.0%</td>
<td>&lt;= 100% ?</td>
</tr>
<tr>
<td>6.5.1</td>
<td>Degree of integrated water resources management implementation (0-100)</td>
<td>63.0%</td>
<td>80%</td>
</tr>
<tr>
<td>6.5.2</td>
<td>Proportion of transboundary basin area with an operational arrangement for water cooperation</td>
<td>21.0%</td>
<td>40%</td>
</tr>
<tr>
<td>6.6.1</td>
<td>Change in the extent of water-related ecosystems over time</td>
<td>17.0%</td>
<td>&lt;= 10%</td>
</tr>
</tbody>
</table>
Thank you for your Attention
Contact me: suna@dos.gov.jo
sonalz@yahoo.co.uk
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