



FRAMEWORK FOR DEVELOPMENT OF ENVIRONMENT STATISTICS

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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

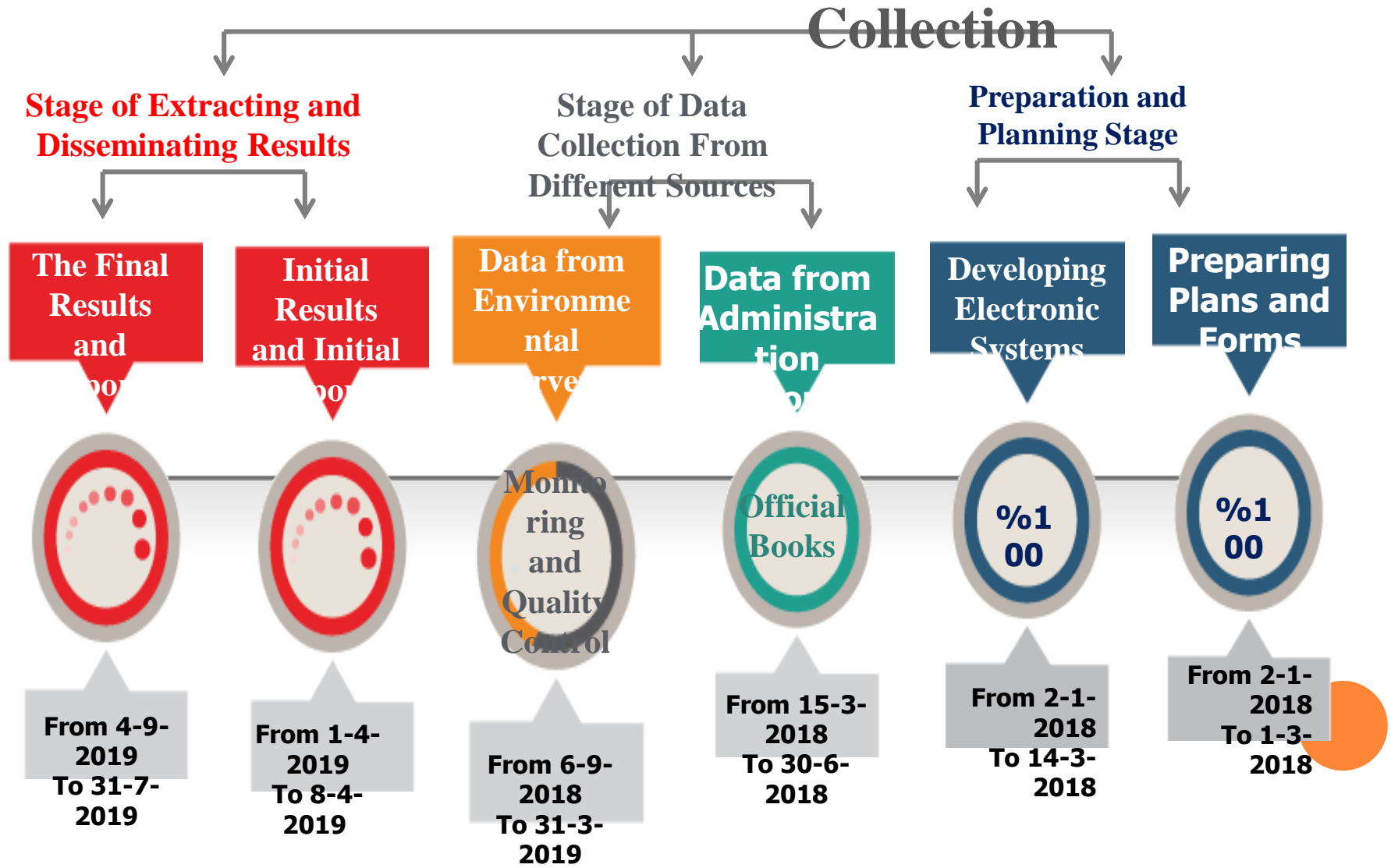
Censuses and Surveys

- 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



IT AND THE COMMUNICATION REVOLUTION



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.



GEOGRAPHIC INFORMATION SYSTEMS

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).



UPDATED STATISTICAL BLOCKS STRATUM



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 certain 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

Indicator	Description	Value	Target 2030
6.1.1	Proportion of population using safely managed drinking water services	94.3%	100%
6.2.1	Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water	84.0%	100%
6.3.1	Proportion of wastewater safely treated	60.0%	80%
6.3.2	Proportion of bodies of water with good ambient water quality	92.0%	95%
6.4.1	Change in water-use efficiency over time,	3.0%	Increasing over time, no target
6.4.2	Level of water stress: freshwater withdrawal as a proportion of available freshwater resources	131.0%	<= 100% ?
6.5.1	Degree of integrated water resources management implementation (0-100)	63.0%	80%
6.5.2	Proportion of transboundary basin area with an operational arrangement for water cooperation	21.0%	40%
6.6.1	Change in the extent of water-	15.0%	100%



Thank you for your Attention

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