

State of Environmental Report Through Selecting Core-set of National Environmental Indicators

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Introduction

- Environmental systems are complex and Puzzling
- Decision makers are facing real challenges to collect and analyze environmental data for strategic planning
- Reliable assessment tools are needed to be developed for evaluating **environmental information, trends, conditions and policies**

- policy makers can basically track changes in the environment through selecting key physical, chemical, biological or socio-economic parameters to produce valuable information about the whole environmental system
- Environmental indicator is a measurable feature that provides evidences to perform management and actions in the field of environment and ecosystem quality
- Measurable over time, significant and scientifically reliable, and should lead to convenient information for prediction of environmental trends, impacts and sustainability

Objective

- To identify the core environmental indicators in Palestine in accordance with the national sustainable development policy

Methodology

- Determining the main environmental themes applicable to the environmental state in Palestine (commonly used globally and regionally)
- Identifying the general indicators for each of the determined themes (interviews, meetings and consultation with the relevant stakeholders, i.e EQA, PWA, PCBS, MoLG, MoA, MoH)
- Selection of the core environmental indicators and sub-indicators from the identified general indicators

- The final list of core indicators was classified according to a causal chain of DPSIR analytical framework
- An ID card for each core indicator was designed that includes, the name, definition, Rationale and justification for selection, measurement and monitoring
- Preparation of H2020 chapter

Themes Determined

- Land Use
- Water
- Wastewater
- Solid Waste
- Atmosphere
- Biodiversity
- Coastal and Marine Environment
- Env. Awareness and Education
- Energy

Assessment of the selected indicators

- **61 indicators were selected based on SMART criteria**
 - **Specific:** simple, suitable, easily monitored and interpreted
 - **Measurable:** statistically amenable to collect data and produce indices
 - **Achievable:** perform regular monitoring at all national sites
 - **Relevant:** related and realistic to environmental selected themes
 - **Time-bound:** measured over time to show early warning

Classification of Environmental Indicators According to DPSIR Framework

