



THE WORLD BANK



Evaluating Impact: Turning Promises into Evidence

Integrated Ecosystem Management in the Jordan Rift Valley

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1. Background

- Project title: Integrated Ecosystem Management in the JRV
- Objective: **Integrated ecosystem principles mainstreamed into community and business practices resulting in improved livelihood and conservation of the environment in JRV.**

1. Background (cont.)

- ❑ **Components**
- ❑ Component 1: Assessment and Planning for Integrated Ecosystem Management
- ❑ Component 2: Development of a network of biodiversity conservation sites, embodying the principles of integrated ecosystem management
- ❑ Component 3: Integrated Assessments of Climate Change Impacts on Biodiversity Conservation in the JRV Developed to Support Conservation Planning and Implementation.
- ❑ Component 4: Sustainable Financing Mechanisms Strengthened
- ❑ Component 5: Project Management, Coordination, Monitoring and Evaluation

1. Background (cont.)

□ **Project Partners**

- Jordan Valley Authority (JVA)
- Jordanian Hashemite Fund for Human Development (JOHUD)
- Enhanced Productivity Program (EPP)
- Ministry of Environment
- International Union for the Conservation of Nature - IUCN

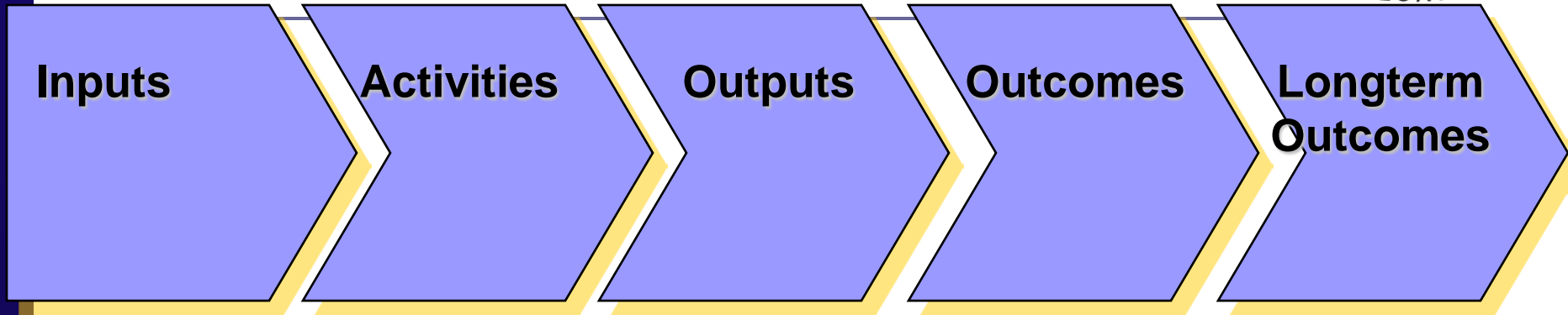
□ **Implementing Agency**

The Royal Society for the Conservation of Nature – RSCN

□ **Timeframe and Budget**

6 years – USD13 millions

2. Results Chain



- Money
- People
- Equipment

- Training /and consultation capacity building on IEM
- Legislation / Policy formulation and adoption
- Guidlns. & enforcement procedures
- Awareness creation and sensitization of stakeholders

- National protected areas policy developed and adopted
- Integrated ecosystem principles mainstreamed into national policies and legislations

- Community Social&Econ omic behaviour reflects IEM principles
- Industrial & business practices reflect IEM principles

- Conservatio n of biodiversity elements
- Community livelihoods sustained / improved

3. Primary Research Questions

Medium term:

- ❑ Did IEM based policy and legislation lead to industries behavior change?
- ❑ Did community training and consultation lead to change in social and economic behavior?

Long-term:

- ❑ Did application of IEM principles lead to beneficiaries sustainable and improved livelihoods?

4. Outcome Indicators

- ❑ Increase % of vegetation area coverage and types of vegetation in the project area
- ❑ Increase or stability of key indicator species in the project area
- ❑ Increase of household income level
- ❑ % of income derived from eco-friendly livelihood measures
- ❑ % of business/industries adopting ecologically sound practices

5. Identification Strategy/Method

Medium term:

- ▣ Did IEM based policy and legislation lead to industries behavior change?

Randomized promotion (promotion – subsidy for recycling)

- ▣ Did HH/community training and consultation lead to change in social and economic behavior?

Randomization (cluster of treatment and control villages, attending training at different stages) – % of land with eco-friendly farming by community as indicator

Long-term:

- ▣ Did HH/community training and consultation lead to beneficiaries sustainable and improved livelihoods?

Randomisation as above, indicator - % of community income from eco- friendly farming

6. Sample and data

- Sample: 2000 HHs (10% of the affected population)
- Baseline data being collected on ecological aspects (No fauna and flora species, vegetation species) and social and economic aspects (HH income, livelihood sources, No of adults, household size, migration patterns, pollution emission by industries, waste treatment methods and volumes, farming land, land with eco-friendly farming,



7. Time Frame/Work Plan

- ❑ Questionnaire design 2008
- ❑ Training of interviewers and validation of questionnaire 2008
- ❑ Baseline: being collected in 2009
- ❑ Midterm 2011
- ❑ Survey repeated in 2013
- ❑ Final data and report delivery 2013

8. Sources of Financing

- Ministry of Planning & International Cooperation
- Ministry of Environment
- DFID
- IUCN – Business and Biodiversity Prog.
- JOHUD