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In Search of Feasible Environmental Policy Making Tools in the United Arab Emirates: The Multigoal Approach

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Overview of the Paper

- Introduction
- The Methodology of the Study
- Definitions of the Term “Public Policy”
- The Origin of the Multigoal Analysis: The Rationalist Model
- The Nature of the Environment as a Public Policy Problem
- The Environmental Problem in the United Arab Emirates
- Multigoal Analysis and Environment Problems



Overview of the Multigoal Approach

Criteria	C1	C2	C3	C4	C5
Policy					
A	Value	Value	Value	Value	Value
B	Value	Value	Value	Value	Value
C	Value	Value	Value	Value	Value
D	Value	Value	Value	Value	Value

Understanding the Environmental Problems

Type of policy	Well-Structured (Maintenance)	Moderately- Structured (OPEC Negotiations)	Ill-Structured (Terrorism)
Elements			
Nature of the problem	Technical	Partly Technical	Messy-Fuzzy
Decision-Makers	One or Few	One or Few	Many
Decision Tools	Operation Research	Economic Tools (Cost-Benefit Analysis)	Politics and Policy Analysis
Stakeholders	Very Few	Few	Many
Alternative Policies	Limited	Limited	Unlimited
Utilities (values)	Consensus	Consensus	Conflict
Outcomes	Certain and Risky	Uncertain	Unknown

Framing the Problem of Environment



- Framing or diagnosing the problem in term of market failure or government failure or both
- Market Failures include
 - - Public Good
 - - Externality
 - - Information Asymmetry (Imperfect Information)
 - - Monopoly
- Modelling the problem (Dependent variable) in term of the factors (Independent Variables) that impact it

Choosing a Solution Method



- Multigoal Analysis
- Cost Benefit Analysis
- Cost Effectiveness
- Solutions Analysis for The Pollution Problem
 - - *The Selection of Criteria*
 - - *Development of Feasible Policy Alternatives*
 - - *Forecasting the Impacts of Policy Alternatives on Different Criteria*
 - - *Choosing the best Policy Alternative Using the Goal/Policy Matrix*

Table 2
Goal/Policy Matrix

Goal/Policy Matrix

Criteria	Net Benefit (CBA)	Political Feasibility	Equity	Technical Feasibility
Policy				
A	Score	Score	Score	Score
B	Score	Score	Score	Score
C	Score	Score	Score	Score
D	Score	Score	Score	Score



Thanks