

TABLE OF CONTENTS

PREFACE	9
EXECUTIVE SUMMARY	11
I. DEFINING THE LINKAGES	15
1. Environmental hazards and health impacts	16
2. Human settings and economic sectors	18
3. Ecosystem frameworks for health and environment	18
4. Focus on vulnerable populations	22
5. Towards integrated packages of interventions for linked health and environment action	24
II. IMPROVING HEALTH AND ENVIRONMENT DECISION-MAKING Challenges, needs and opportunities	25
1. Drivers of health and environment decision-making	25
2. Health and environment ministries: a closer look	27
3. From data to decisions: using evidence effectively	29
4. Bridging the evidence-to-policy gap	29
5. Key needs of decision-makers: intersectoral dialogue; assessment and tools for quantifying health and economic impacts	30
6. Engaging decision-makers and stakeholders	30
7. Communication with decision-makers and stakeholders	31
III. TOOLS FOR MANAGING HEALTH AND ENVIRONMENT LINKAGES Impact assessment: from evidence to decisions	33
1. Current practice and problems in HIA and EIA	33
2. Environmental impact assessment	34
3. Health impact assessment	34
4. Enabling conditions for effective impact assessment	35
IV. QUANTIFYING IMPACTS IN HUMAN AND FINANCIAL TERMS Burden of disease assessment and economic valuation	37
1. Quantifying population health impacts	37
2. Making the economic case for health and the environment	38
3. Challenges for economic assessment	41
4. Relating economic valuation to policy-making	41

V. IMPROVING HEALTH AND ENVIRONMENT DECISION-MAKING	43
Guidance on integrated approaches	
1. Integrating health and environment impact assessment with economic development	43
2. Guiding principles	43
3. Defining the decision-making and assessment scenario	44
4. Step by step process components	45
VI. THE PILOT PROJECTS	49
Jordan, Thailand and Uganda	
1. Jordan: water is life	50
2. Thailand: reducing environmental risks and enhancing health through sustainable agriculture	58
3. Uganda: livestock, ecosystems and development	71
VII. CONCLUSION	81
Consolidating health and environment linkages: a contribution to global policy agendas	
1. Reconciling fragmented approaches	81
2. Repositioning health and environment sectors towards proactive policies	83
3. Critical link to the achievement of global development priorities	83
REFERENCES	85