



Interactions between HIV/AIDS and the Environment:

A Review of the Evidence and Recommendations for Next Steps



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Introduction

Objective

- IUCN asked UW to assist in developing report. IPPF and UoN was also involved at various points.
- Focus on E. Africa, however learn from other research areas and provide recommendations that can be applied at different scales and areas.

- Synthesize the literature on issues associated with HIV/AIDS and the environment
- Identify and discuss examples of interventions to address HIV/AIDS and the environment
- Identify data and knowledge gaps
- Develop a conceptual framework to address the links between HIV/AIDS and the environment
- Suggest next steps for basic and operational research and for improving integrated interventions

Literature review



<i>Type of Publication</i>	<i>No.</i>
<i>In Peer-Reviewed Journals:</i>	
Original Research	39
Review Article	28
Case Study	9
Commentary	10
Policy Paper	4
Subtotal	90
<i>In Sources other than Peer-Reviewed Journals</i>	
Review Paper	33
Policy Paper	14
Presentation, Conference, or Workshop Paper	15
Published Guidelines or Tool-kit	11
Large Scale Demographic/Health Survey	6
Case Study Paper	5
Thesis/Dissertation	2
Published Book	1
Subtotal	87
Grand Total	177

Millennium Development Goals

- Goal 1—Eradicate Extreme Poverty and Hunger
- Goal 2—Achieve Universal Primary Education
- Goal 3—Promote Gender Equality and Empower Women
- Goal 4—Reduce Child Mortality
- Goal 5—Improve Maternal Health
- Goal 6—Combat HIV/AIDS, Malaria, and other Diseases
- Goal 7—Ensure Environmental Sustainability
- Goal 8—Develop a Global Partnership for Development



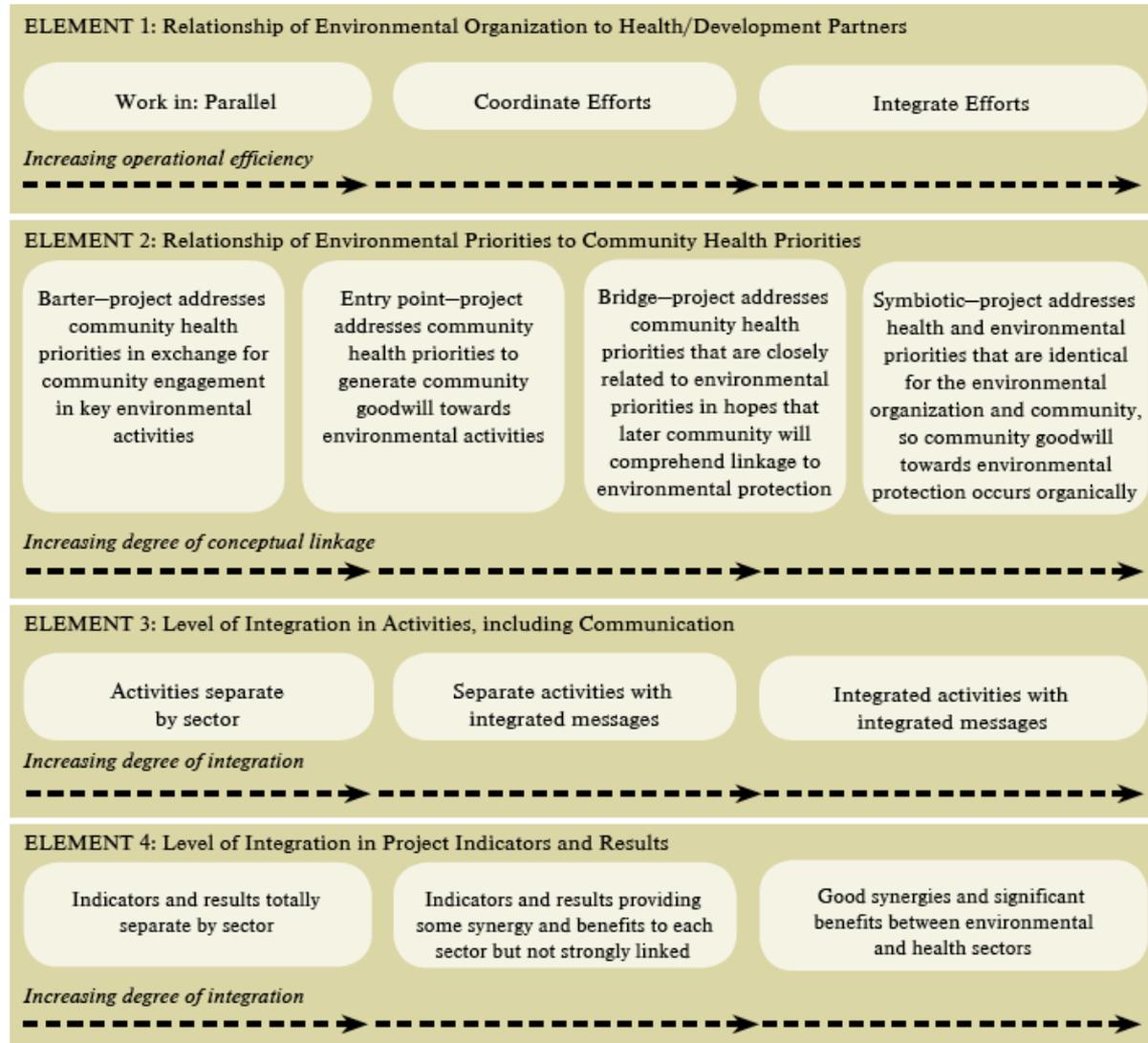
Major Themes Linking HIV/AIDS and the Environment

- Food insecurity
- Natural resource use
- Agriculture and land use
- Fisheries sector practice
- Gender inequality
- OVC
- Migration
- Crisis situations
- Climate change
- Effects of environment interventions on HIV/AIDS
- Workforce and human capacity impacts of HIV/AIDS



A framework for integration of environmental and health programming

Adapted from (Oglethorpe et al. 2008)



Core findings

- Three major upstream factors that affect all aspects of the HIV/AIDS-Environment nexus:
 - Social disruption
 - **Poverty**
 - Gender inequality
- Enhance susceptibility to HIV and increases reliance on 'free' ecosystem services

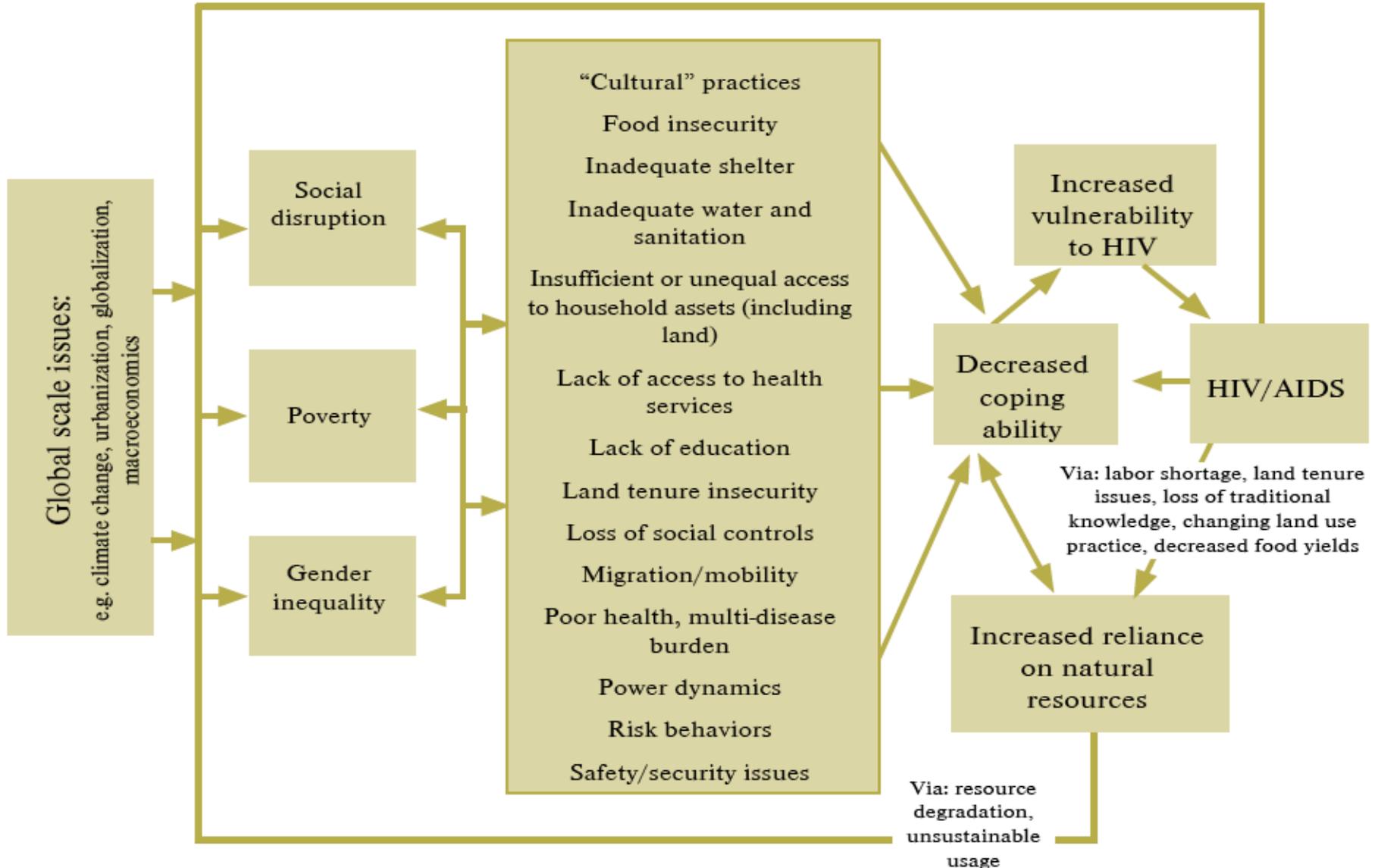


Coping Ability

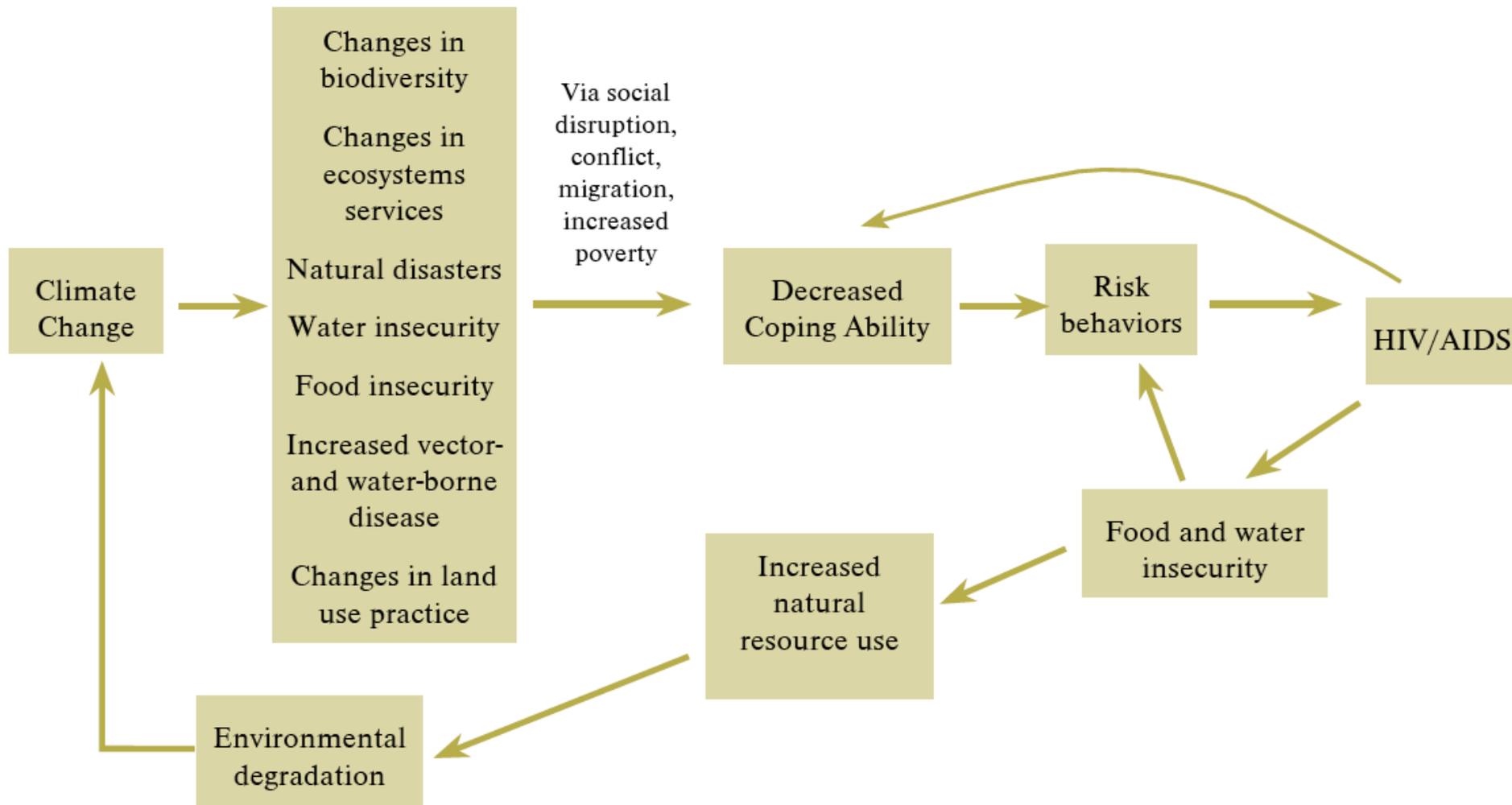
- “Coping ability is a linchpin in the pathway from poverty, gender inequality, and social disruption to HIV.”
 - Decreased coping ability makes people and communities more vulnerable to HIV/AIDS.
 - HIV/AIDS in turn leads to increased dependence on natural resources due to loss of:
 - Labor force
 - Land tenure
 - Traditional knowledge
 - Maintaining previous livelihoods



Linkages between HIV/AIDS and the environment at the community level



Effects of climate change on the links between HIV/AIDS and the environment



Next steps: the research HIV/AIDS and the environment

- **Evidence** regarding the success of interventions is **still lacking**
- HIV/AIDS can result in overuse of natural resources?
 - Lacking is documentation of status and trends of the various natural resources and of the extent of use by HIV/AIDS affected households vs. poor households in general



Workshop Outcomes

- Produce evidence supporting addressing HIV and the environment as an integrated topic.
- Identify relationships between environmental condition and HIV/AIDS prevalence.
- Active collaborative group
- Conduct efficacy, effectiveness and operations research



Additional Recommendations

- Monitoring and Evaluation
- Upstream determinants of social conflict, poverty and gender inequality
- Identify and measure appropriate ecological indicators.
- Inventories of known medicinal plants
- Pursue additional pharmaceutical and clinical research.

Additional Recommendations

- Food insecurity and HIV/AIDS outcomes
- Land use/land tenure issues
- Food insecurity and human health effects of climate change.
- Research in developing countries.
- Policy Learning!
- HIV/AIDS at the institutional level

Thank you...



Bolton, S. and Talman, A. (2010). *Interactions between HIV/AIDS and the Environment: A Review of the Evidence and Recommendations for Next Steps*. Nairobi, Kenya: IUCN ESARO Office. viii + 62pp.

Full report available at www.iucn.org

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