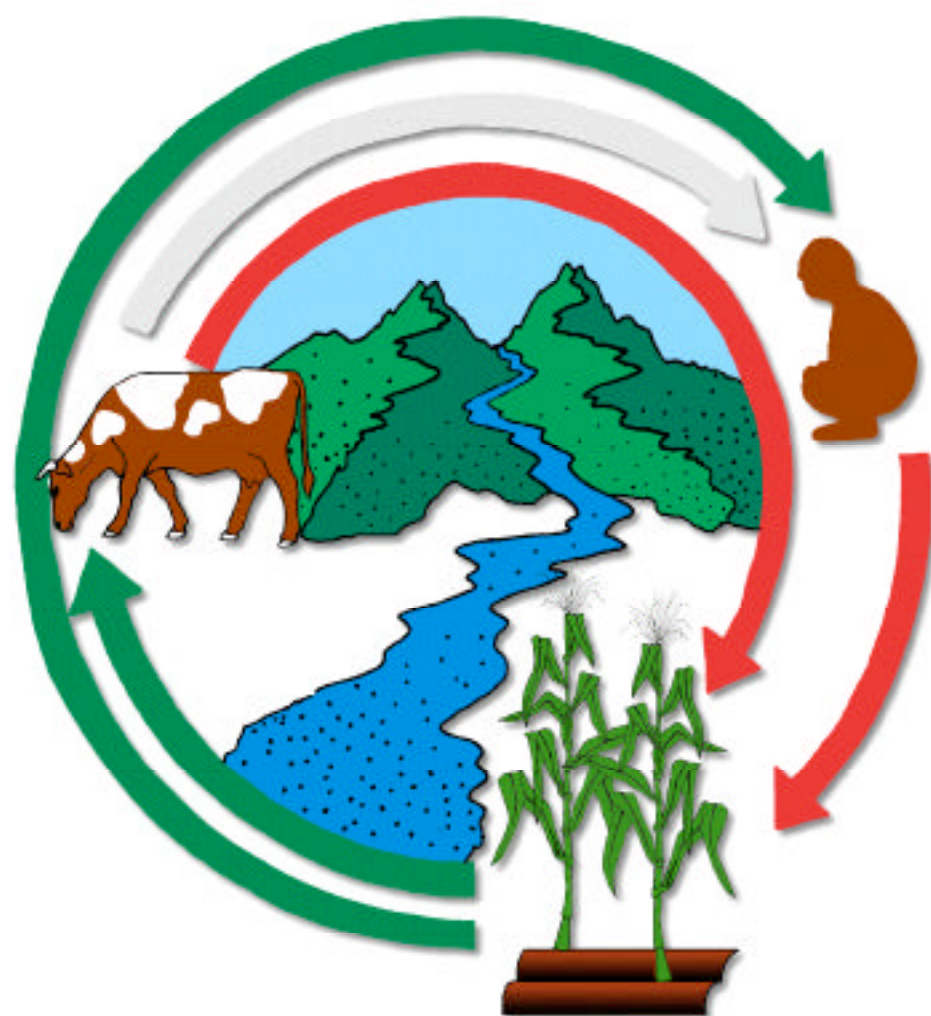


CLOSING THE LOOP

Ecological sanitation
for food security



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CLOSING THE LOOP

Ecological sanitation for food security

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Mexico, 2001

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Closing the loop -- Ecological sanitation for food security is a final outcome of a workshop of the same name held in Mexico in October 1999. The knowledge, experience and enthusiastic commitment of all the participants provided much of the basic material and inspiration for this publication. Ingvar Andersson, Steve Esrey, Peter Morgan, Jac Smit and Thor-Axel Stenström prepared invaluable background papers specifically for the workshop (See Annex List of Papers). Other participants prepared posters to share their experiences: César Añorve (CITA), Francisco Arroyo (CEDICAR), Rogelio Oliver Guadarrama (CIB/UAEM), Laura Ortiz Hernández (CEIB/UAEM), Enrique Cifuentes (INSP) and George Anna Clark (Espacio de Salud), from Mexico; as well as Jim Latham (EcoEd Trust) and David Proudfoot (Mvuramanzi Trust), from Zimbabwe. Additional background material was provided by Peter Morgan: "A manual on ecological toilets, how to build and maintain them"; and Alfonso Nueva, who on very short notice, prepared and presented a paper on "Experiences in the use of vermiculture in the treatment of organic waste for the production of humus for growing human and animal food".

Much of the success of the workshop itself was due to the dedicated team of individuals who assisted SARAR Transformación SC to assure the smooth running of the workshop and generally supported each and all of the participants. Elena de Hoyos, the logistics coordinator, was responsible for the overall preparation, organisation and coordination of the event, and was assisted by Marta Ortiz Monasterio, Ana Cordova, and Ian Sánchez. Alicia García, Henri Serra, Iván and Asha Sawyer and Teresa Colin took care of the physical and logistical arrangements. Recognition must also go to Lauro Medina Ortega and Carlos Sandoval (English to Spanish) and Jana Schroeder and Mahsa Hojjatti (Spanish to English) who translated the written documents, and to Leslie Pascoe and Evelyn Aron for the faithful simultaneous translation.

Special thanks are due to Cesar Añorve for his pioneering work in urine diverting toilet design and promotion –one of the principal attractions for holding the workshop in central Mexico– and for his scatological cartoon exhibition, developed together with Miguel Angel Tafolla. We are also grateful to Feodora Rosenzweig-

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The content of this book benefited from comments by reviewers including Brendan Doyle, Gunilla Eitrem, Christine Moe, Peter Morgan, Jac Smit and Uno Winblad. In addition to the authors, various people have generously shared drawings and photos, which are included in the publication (See Illustrations on Legal Page).

Finally, enormous credit is due to all the people who helped to bring the publication to its final readable and printable form --especially to Jana Schroeder for her meticulous copy editing and proof reading of successive drafts and to Carlos Gayou for his very professional formatting and design.

CONTENTS

FOREWORD	1
EXECUTIVE SUMMARY	3
INTRODUCTION	7
Closing the loop	8
Linear flows	10
A circular flow	12
DESIGNING ECOLOGICAL TOILETS	15
Ecological sanitation in Mexico	19
First field visits in Mexico	21
Ecological sanitation in Zimbabwe	23
Composting toilets	24
Urine diversion toilets	28
Links to national programmes	28
Working groups	29
Needs and gaps	31
ECOLOGICAL SANITATION AND HEALTH	33
Potential health risks from human excreta	36
Assessment of contamination	36
Human excreta can be made safe	36
Treatment near the point of excretion	38
Hygienic use of toilets can be learned	38
Working groups	39
Needs and gaps	41

RECOVERY AND RECYCLING OF HUMAN EXCRETA	43
Basic plant nutrition	44
Fertiliser value of human excreta	46
Faeces can make soil healthy	47
Second field visit	50
Plenary discussion	50
ECOLOGICAL SANITATION AND FOOD SECURITY	53
Food can be grown anywhere there is water	56
All major food products can be grown in urban areas	56
Urban agriculture can improve food security	57
Urban agriculture improves nutritional status	59
CLOSING THE LOOP	63
There is a lot of consensus	64
Promoting the loop	67
REFERENCES	71
AGENDA FOR ACTION	75
PARTICIPANT DIRECTORY	81
ACRONYMS	85
GLOSSARY	87
LIST OF PAPERS	91
WORKSHOP AGENDA	93

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